

NAASA

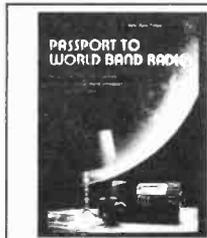
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By Bruce Elving. This unique book covers FM broadcast stations in North America. Maps are included for each state (and Canadian province) showing station call and location. It also includes station listings by location and frequency. ©1989 *New Tenth Edition. FM Atlas Publishing* 192 p.

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By Peter Carron Jr. A handy introduction to the world of longwave listening. Covers VLF, GWEN, Loran, Omega, ELF, Lowfers, frequency use, receiver and antenna information tuning tips and much more. Not a beacon directory. ©1985 *Universal Radio Research* 64 p.

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By the *National Radio Club*. The most accurate and comprehensive guide to American and Canadian medium wave (AM) stations available. Organized by frequency, with call sign cross reference. Includes addresses for all stations! A must for every AM DXer. Brand new 1991 Tenth Edition ©1990 *NRC* 336 p.

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NASWA Notes

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Before you know it, Christmas will have come and gone and it will be time to ring in the new year. Hard to believe, isn't it? For me it seems like only yesterday that we introduced the new *Journal* and the club leadership position was passed to me. It has been a very interesting and rewarding experience. Now we're ready to jump into 1991 and I'd like to add a few items to your New Year resolution list. A goal I have is to try to persuade the NASWA membership to participate more as a club. If you're able, why not try to adopt one or more of these resolutions for 1991?

(1) - If you're a beginner and have a question or two about what's happening in this hobby, drop a note to **Charley Wootten**. No question is too trivial and you probably aren't the only one with the question. This goes for Technical Topics also. If you have a technical area that you'd like covered, let **Ted Benson** know.

(2) - **Jerry Klinck** wants very badly to write a story about you! We have over 1700 members and it's hard to believe that he's having trouble getting input. Don't be shy. We'd all really like to learn more about you.

(3) - If you enjoy listening to SW because of the program content, tell us about it. Make a few notes about the time, frequency, program name, and content, and write to our new Easy Listening editor **Richard Cuff**. Good information about programming on SW is hard to come by and we'd like you to help us improve that situation.

(4) - Write a feature. We've had some really good pieces written this year by members and I'd like to see them continue. **Harold Cones** will be glad to offer you help if needed.

(5) - Submit some loggings. **Glenn Hauser**

commented to me at the MT Convention that the loggings contributions seem to be down from years past. If you're listening to the radio, you must either be listening to programs or DXing. We have places for you to report both. How 'bout it?

(6) - Write me a letter. Do you like what you see in *The Journal*? If not, why not? I'd like some feedback on what we're doing. If you are up for renewal and you aren't renewing I'd like to know why. If you are a new member, does *The Journal* meet with your expectations? I am always open for suggestions for improvement.

(7) - Organize a local SW group. Send for a list of members in your area and get the folks together. I'm happy to announce that the response for this is good with requests from WI, VA, NY, MA and OH. Hopefully these will all get going and we'll start to see some reports from these areas.

Calendar Of Events

December 14 - Phila. Area NASWA Chapter (meeting **CANCELLED** due to room scheduling conflict)

January 18 - Phila. Area NASWA Chapter. Montgomery Elementary School cafeteria, Montgomeryville, PA 7:30 PM. Dan Cashin (215)446-7831.

March 22-24 - Fourth Annual Winter SWL Festival, Kulpsville Holiday Inn, Kulpsville, PA. Registration form will be in next months *Journal* or write Box 591, Colmar, PA 18915

Members are invited to submit items to be included in this calendar to Bob Brown.

Although I've targeted specific columns/ editors in the resolutions, you should not forget continued participation in our other columns. **John Bryant** is always looking for library reviews and **Sam Barto** just loves to hear about what QSLs are showing up in your mailbox. Enough of the cheer-leading, let's move on.

Easy Listening

You might have noticed that I mentioned a new Easy Listening editor in the resolutions. **Alex Batman** has been doing a great job with the column since May 1985 and he has decided that it's time to take a break from it. Filling his shoes will be **Richard Cuff** from Allentown, PA. I met Richard at our local NASWA chapter meeting and I look forward to having him on board. Check his column this month for the many ways he can receive your inputs.

Reprint Service

Some of you have been wondering about reprints that you've ordered and not received. I understand that the response to the reprints has been overwhelming but that

things are starting to get caught up. Your patience is greatly appreciated.

WinterFest

A registration form will appear in next month's *Journal*. Planning is underway for another super Fest.

Seasons Greetings!

In behalf of the entire staff of NASWA, I'd like to wish all of you and your families best wishes for the Holiday Season and the coming New Year.

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls **Bob Brown KW3F** and **Dave Kirby N8JQX** host an always lively gang of DX monitors. (Best heard in the eastern half of NAM)

Welcome to the following new NASWA members -

Philip Alexander, M.D., College Station, TX
Les Allgier, Citrus Heights, CA
Mark A. Amarin, Las Vegas, NV
Dennis Bathory, Highland Park, NJ
Charles J. Bono, Norristown, PA
Randy Bradford, Bellevue, NE
Jeff Brandt, Livermore, CA
Timothy Buchanan, San Juan, PR
Elton L. Byington, Maspeth, NY
Chris Campbell, Cohoes, NY
Goran Carlstrom, Del Mar, CA
Donald Carrier, Muskegon, MI
Jim Christie, Winnipeg, MAN CANADA
Peter Dammer, Melbourne, FL
Michael S. David, Evanston, IL
Charles Stephen Davis, Ballentine, SC
Mr. Robin K. De Santos, Lancaster, CA
David Dunville, Richmond, VA
Andrew Duroskey, Massapequa Park, NY
Semra Eren, Ankara, TURKEY
Harold W. Fairchild, Baltimore, MD
Donald E. Foiles, East Alton, IL
Richard Foland, Grand Rapids, MI
George Herr, Playa Del Rey, CA
Robert Hylinski, Schwenksville, PA
Mark Ireland, Coventry, CT
K. W. Jacoby, Amherst, NH
M. John Kezys, Ancaster, ON CANADA
Philip M. Long, St. Louis, MO
David G. Machacek, Northfield, MN
Donald H. Marsh, Sr., Seattle, WA
Ray Marshall, Omaha, NE
Jay McGonnell, Hopedale, MA
Brian Meredith, South Haven, MI
Larry A. Miller, Loveland, OH
Keith S. Newman, Athens, OH
Michael A. Platnick, Bluefield, WV
Gerald Pollard, Florence, SC
R. Bhawani Prasad, Munster, IN
Don Roth, Shelton, CT
Mahlon F. Stilwell, Annapolis, MD
James W. Wilhelm, Fairmont, WV
Donald Wylie, Lake Forest, IL

DXer's Forum

Kevin Atkins
6165 Lakeside Drive
Pinson, AL 35126
Compuserve 71021,3212



Welcome to the DXer's Forum. Before we talk DX, let's talk shoes...namely, those of Rowland Archer. Rowland's editorial shoes are almost as big as the ones he puts on his feet, and they're going to be difficult to fill. My father always insisted on buying my shoes two sizes too large; he'd stuff cotton in the toes and declare that I'd "grow into them." I suppose we'll find out if Dad was right, but before we do, let's say "thank you" to Rowland for a job well done.

By way of introduction, I'm 31 years old, married with two kids, and I look a little bit like the startled fellow in the masthead above. My interest in DXing goes back to the early seventies, with the usual layoff for higher education and courtship. For the last few years I have focused primarily on Southeast Asia and Latin America.

I don't expect any major changes in the format of this column; it will continue to feature material that furthers the enjoyment of the art and science of DXing, with articles targeted toward the beginner as well as the veteran DXer. All contributions are welcome, be they full-length feature articles or single-paragraph pearls of wisdom. Suggestions for articles you'd like to see written by others are equally welcome – especially when accompanied by the name of a potential author who owes you a favor!

This month's column features an article for the relative newcomer to DXing, aimed at stopping the spread of the dreaded F.F.L. (Fear of Foreign Languages) syndrome. We also have the latest news on the continuing transmitter upgrades at regional stations of the NBC in Papua New Guinea, and a profile of a Peruvian DX target, Radio Melodía. But first,

How Much Spanish* Do You Really Need?

(*Or French, or Portuguese, or Indonesian, or Swahili...)

By Kevin Atkins

"All sound and fury, signifying nothing..." Had shortwave broadcasting been known in Shakespeare's time, he might have used these words to describe the jumble of languages emanating from his receiver. A quick tour of the shortwave bands is excellent shock treatment for those who believe North America comprises the whole of the civilized world. Unfortunately, the shock is sometimes so severe that the novice listener, overwhelmed by it all, simply tunes around looking for English.

But somewhere between 50 and 75 countries heard, the language problem recurs. New stations and countries broad-

casting in English become more difficult to find. This is a crossroad for many in our hobby – whether to live within the boundaries of English, or find a way through, over, or around the language barrier.

It is *not* necessary to be multilingual to successfully DX the shortwave bands; in fact, the percentage of North American DXers fluent in two or more languages is probably not much larger than that of the population at large. What experienced DXers *can* do is:

- identify a number of languages;
- hopefully follow enough of the programming to put together a reception report; and
- pick out a station ID.

This is not an attempt to discourage study of another language – such study is a worthwhile endeavor with rewards far outside the scope of simply identifying shortwave stations. But a lack of time or desire for formal language training should not discourage the DXer from the pursuit of non-English broadcasters.

What language skills are essential? That depends largely on what you wish to accomplish, but for most people it means:

1) Recognition of the major language groups by sound, and differentiation between the more common languages in each group;

2) Learning to listen intuitively, so that more of the program content may be understood; and

3) Developing a nose for an ID – awareness of shifts in the tone or style of the announcer's delivery, repeated musical themes, sound effects, and other clues that indicate an ID may be forthcoming.

Recognition And Differentiation

People with little or no exposure to languages other than their mother tongue tend to group all other languages together under the heading "foreign." But since the first step in identifying a station is often identifying the language, breaking that nebulous heading down a bit is important.

Figure 1 is a pie chart of "Principal Languages of the World" that appeared on the cover of the September, 1973 issue of *Frendx*. Using this chart as a guide, try some "comparative listening" to get a feel for what characteristics similar languages have in common, and what sets them apart from unrelated languages.

For example, note the two major divisions – the Indo-European languages and the Sino-Tibetan languages. Using your favorite tuning guide, find a VOA or BBC broadcast in a language from each group, such as Spanish and Chinese. It is hard to imagine two more dissimilar languages than these, and it shouldn't take more than a few moments' listening to discern the difference.

Now try a third language, such as Portuguese from the Indo-European group. Even the untrained ear will discern that Portuguese is much more akin to Spanish than to Chinese. Continue this comparison and contrast technique with additional languages from the Indo-European and Sino-Tibetan groups. When you are quite sure you won't mistake one for the other, progress to the next level – comparing subgroups within the same major groups, such as Germanic-to-Slavic and Romance-to-Indic.

Finally, compare individual languages within the same subgroups, such as Spanish/Portuguese and Hindi/Bengali. While you won't become an expert

"The more you listen, of course, the more you can expect to learn."

overnight, several weeks' practice should give you a good "feel" for a number of languages. The more you listen, of course, the more you can expect to learn. Don't be discouraged if they all start to sound alike again; it probably just means you need a coffee break!

NASWA member Dr. Richard E. Wood, a professor of languages and noted DXer, did an excellent broadcast series for Radio Canada International a few years ago on the recognition of languages. The series was recently repeated on RCI's "SWL Digest" program, and for those who missed it, our northern brethren at the Ontario DX Association are offering the entire series on cassette tape.

Aside from your receiver, this is the single best resource you'll find for the rather specialized language needs of the DXer. Languages are discussed in the context of where they fall in the family tree, and similarities and differences are pointed out along the way. There is a short air-check (usually a bit of a newscast) in each language. The price is a very reasonable \$5 U.S. Write to ODXA, Box 161, Station A, Willowdale, ONT

illustrates this point quite well. The airchecks are practically a time capsule of Nixon-era politics; the name "Dr. Henry Kissinger" is mentioned in many of them, and it is quite distinct.) And don't forget datelines, which often immediately precede each news item.

By piecing together enough recognizable words, you should be able to tell whether the news you're hearing is local, regional, or world news. Your reception report now reads, "World news read by a male announcer. Included were items datelined Washington, Caracas and Johannesburg. The names of American President George Bush and P.L.O. chairman Yassir Arafat were mentioned frequently." *Much* better.

The principal of intuitive listening can be applied to many types of programming. Commercial announcements tend to have an animated, rehearsed sound, and a jingle is a jingle in any language. If you realize you're listening to an ad, try to pick out the brand name of the product – familiar U.S. brand names are dumped (excuse me, SOLD) all over the world, and Coca-Cola sounds the same in Indonesian as it does in Midwesternese.

It is also helpful to keep a list of political figures in countries you are interested in. For example, the news staff at Radio Republik Indonesia in Jakarta can't get through a newscast without mentioning the name of Indonesian President Suharto (pronounced soo-AR-tow) several times. Recognizing such names in a newscast or speech is a useful detail for QSLing, and your knowledge and interest just might flatter the verification signer at the station.

A Nose For An ID

When you consider that a rare station may only be audible for 20 minutes, and the ID – if they even do one – has to dodge QRM and static crashes, only to fall on the ears of someone who doesn't speak the language, the chances of it being understood begin to look slim indeed.

But *atención, amigos*...it is done every

day, by people with only rudimentary linguistic skills. In fact, many stations are ID'd while the language in use at the time is unknown. The keys here are knowing when to look for IDs, and having some idea of what they should sound like.

"When" should not be construed as relative only to the clock, but relative to other programming elements as well. Obviously, the top and the bottom of the hour should command your undivided attention, but this is not as foolproof with tropical band DX stations as it is with international broadcasters. Programming is often less structured here, and in many cases the station clock will be off by several minutes anyway. Sign-on and sign-off announcements can usually be relied upon for an ID, but the times of these can vary widely, too. Some alternative times to look for IDs include:

- Before, a few minutes into, and after newscasts.
- Immediately before and after time checks.
- After a short musical theme – especially if it is often repeated.
- In conjunction with sound effects, such as reverb or echo (particularly popular among Latin American broadcasters), sirens, rooster crows, etc.
- After two or three back-to-back songs in a music program.
- Immediately after four- to five-second intervals of "dead air."

"What they should sound like" requires a bit of homework. The ID texts in the WRTH are useful in some cases, and DX bulletins are a useful source of more current information. But printed ID texts have one major pitfall – pronunciation. Each language has its own scheme of vowel/consonant sounds and stress. The correct pronunciation can be quite different from what you might expect. This is particularly true with languages which do not use the Latin alphabet; "romanized" Chinese can be quite confusing.

You probably already own one source for correct pronunciation of foreign place

names – good dictionaries have a geographical section with pronunciation and a brief description of many cities, provinces and other geographical features. DX programs are another good source, albeit random. Of course, there's always the possibility that the announcer's pronunciation is wrong.

The best approach (short of marrying a native speaker) is to learn, or at least have references for, the pronunciation rules of the languages you're most interested in. Getting references is as simple as a visit to your public library. Self-study books for many languages are available, and these usually include an explanation of pronunciation and stress in the introductory material. A few dimes in the Xerox machine, and you have your very own pronunciation reference.

Learning to pronounce words in some languages is quite simple. Spanish, for example, has a very logical pronunciation scheme; most letters have only one possible sound (unlike English, which non-native speakers have a great deal of difficulty with), and the rule for stress is equally straightforward. Others can be quite difficult – Chinese, for example, forces you to be concerned not only with pronunciation, but with tone. Chinese is a *tonal* language; each sound can be made in four different tones, and each tone changes the meaning of the word.

Some Final Thoughts

Having said that it is not *necessary* to be multilingual to pursue DX, I must admit it would be helpful! Fortunately, practice really does make perfect; it is surprising how much of a language you can learn by listening, writing reception reports with Gerry Dexter's *Language Lab* series and other reporting guides, and attempting to translate your replies with various dictionaries and phrase lists. Even if you don't intend for it to happen, it will. But keep your tape recorder running anyway, just in case you lapse into nonintuitive listening.

■

A WORD TO THE WISE IS SUFFICIENT...

INDIA – Say goodbye to your spouse. Tell your boss you're going to be late. Better yet, quit your job. Yes, the seasonal appearance of the All India Radio tropical band regional stations is upon us.

The station at Port Blair in the Andaman Islands (likely an officially-sanctioned NASWA country by the first of the year) continues to operate on 4760 during the North American dawn period, and will be a prime target for many. The station at Leh, which operated on the same frequency last year and caused all manner of confusion, has reportedly moved to 3300 kHz during our dawn period.

PAPUA NEW GUINEA – Gordon Darling reports via John Bryant that all remaining Kundu service 2kW transmitters are being replaced in the next eight weeks. Each conversion to a new 10kW transmitter will take 9 days: 5 days of installation, 2 days of "commissioning" and 2 days of training local technicians. Gordon will be on site for three of those days to compliance-check the transmitters. The schedule is as follows (date is when the cycle starts):

Nov. 6, *R. Southern Highlands*, 3275

Nov. 15, *R. Central*, 3290

Nov. 24, *R. West New Britain*, 3235

Dec. 2, *R. New Ireland*, 3905

Dec.11, *R. Northern*, although there is a complication: a land ownership dispute between local residents and the NBC. There will be no installation until the dispute is settled.

Dec. 23, *R. Manus*, 3315

Also, the planned reorganization of NBC frequencies is under review at the international coordinating group, the IFRB. No one can say when or if the plan will be implemented.

DX Target: Radio Melodia

by Richard A. D'Angelo

Peru provides the DXer with numerous opportunities to hear and log local stations with a wide variety of formats. While shortwave broadcasting in Peru has declined slightly in recent years, the number of stations remains at relatively high levels due to the explosion in shortwave broadcasting in the early 1980's.

One of the more prominent and relatively easy stations to hear and verify is Radio Melodia in Arequipa. The station puts a good signal into North America in the predawn hours making this DX Target accessible to most North American DXers. European DXers frequently report Radio Melodia in the 0500-0700 UTC Range.

THE REGION: The city of Arequipa is located approximately 1,000 km from the nation's capital city, Lima. It is 2,363 meters above sea level, nestled at the foot of three mountains that contain volcanos. It was founded on 15 August 1540 by Garci Carbajal.

Arequipa is a city of over 850,000 inhabitants. It has two universities, San Agustin and Santa Maria, with a total of 25,000 students. It is the commercial and communications center of the coastal region. The beautiful countryside is known for its clear blue skies and spring-like weather conditions.

THE STATION: Radio Melodia was founded on 21 October 1972. Its shortwave frequency is listed as 5995 kHz, using 1 kilowatt under the call sign OAX6L. However, this channel is known to drift. The station can be heard anywhere between 5950 and its nominal 5995 kHz frequency. The Collins transmitter runs to a dipole antenna that is 60 meters high and 50 meters long. The station also operates a 4 kW mediumwave transmitter on 1220 kHz, and a 5 kW stereo FM transmitter.

Radio Melodia's slogan is "*Melodia, la emisora que transmite noche y dia,*" which means "Melodia, the station that transmits night and day." The slogan reflects the station's 24-hour-per-day schedule. A backup power supply makes broadcasting possible during the frequent power outages experienced in Peru. The station's programs consist of entertainment (40%), music (40%), and sports (20%). The music portion includes huayños, salsa, tango, cumbia and rock.

By current Peruvian standards, the station is a good verifier, issuing its own map QSL card. A Spanish report with return postage could lead to a verification from this station. Inflation has made mint stamps an unreliable source of return postage in Peru; IRCs have been known to work in some cases, but many DXers have found that U.S. dollar bills provide better results. Address your report to the station's Gerente, Hermongenes Delgado Torres, at: Radio Melodia, San Camilo #501, Arequipa, Peru.

Radio Melodia S.A.

TARJETA DE VERIFICACION

Easy Listening

Richard D. Cuff
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CompuServe 71207,1604
Prodigy NCHT70A

I'd like to take a few moments to introduce myself as the new "Easy Listening" editor. I am a true "Easy Listener", versus a DXer, armed with a Sangean ATS-803A and a Radio Shack CTR-82 cassette recorder. I generally record programs off the air and pop the tapes into a "Walkman"-type personal stereo I use while jogging. This distracts me from the boredom and the fatigue as my feet pound the pavement. I also consider myself a "news junkie", looking for how different countries' perspectives place a different "spin" on the news.

I've been active in NASWA for almost one year, and an active SWL'er for about three and a half years. I'm a charter member (!) of the Philadelphia Region NASWA chapter.

How This Column Works

Each month, I'll feature program suggestions and listening observations for easily received English language broadcasts. As I am a BBC World Service devotee, I'll generally have at least one BBC item per month. I hope to include station profiles and features on a particular type of program (e.g. Science and Technology; Financial News) as time goes on.

Your contributions and suggestions are **strongly** encouraged - especially if you have a favorite broadcaster or a favorite type of program, and especially if your location offers different Easy Listening opportunities than what I receive here in Eastern Pennsylvania. You may offer your suggestions via any of the E-Mail networks listed above, or via the U.S. Mail directly to me, or via NASWA's Distribution Editor, Vern Hyson. I look forward to meeting many of you through your contributions to this column.

Radio Australia - International Report

Looking for more than 5 minutes' worth of international news as you have your

morning coffee? Radio Australia's **International Report** airs every even UTC hour around the clock (0200, 0400, and so forth). Approximately 3-4 minutes of international news are followed with three to five in-depth news stories generally focusing on countries in the Asia and Pacific region. While key events in Europe and the Persian Gulf are covered, you'll get detailed reports on events in places like India, Cambodia, Vietnam, Papua New Guinea, Vanuatu, and Fiji - to name a few - that never hit the newspapers in the USA.

While many SWL'ers expressed disappointment when Radio Australia started focusing more on serving listeners in the Asia and Pacific region, I've found their specialization results in an angle of coverage unavailable elsewhere.

International Report normally runs approximately 25 minutes, with the following easy catches here in Eastern PA:

0800 UTC - 15160 kHz
1000, 1200, 1400 UTC - 9580 kHz

Thanks to Kris Field for this item!

BBC Tip of the Month

Assignment is a weekly half-hour documentary featuring one correspondent and one story for the entire program. The 14 November program reviewed Nicaragua's faltering economy in the months following its free elections, the challenges of finding suitable plots of land for returning Contras, and obtaining economic aid from the USA while the US is distracted with the Persian Gulf. Condensed items from **Assignment** often show up in **24 Hours** or other similar programs. Suggested listening times and frequencies:

Wed 2030 - 15070 kHz
Thu 0230 - 9915 kHz
Thu 1615 - 15260 kHz

These are the most reliable frequencies at my QTH; you may find others more suitable.

WWCR Talk Radio

For **The People** is a call-in talk show aired from 00-0200 UTC Monday - Friday on WWCR 7520 kHz. Folks with all kinds of consumer problems find their solutions or a place to look for the solution. The show does have commercials. Host Chuck Harter is a very knowledgeable person who lives on an island off the coast of Florida. Chuck adds a little personal touch to the program once in a while, which makes the program complete. If you like talk shows, this one will keep you interested.

Immediately following **For The People** is **Radio Free America**, which airs from 02-

0400 UTC Monday-Friday. The host of this good controversial talk show is Tom Valentine. Tom interviews various people per week and he asks some questions that dig deep into the situation. The show has far too many commercials but the subject matter over rides this disadvantage. A different topic is discussed each evening. These are mostly political topics about various situations the US is involved in, and they do make you think about them. It is a call-in talk show based in Minnesota with a 800 number.

Thanks to Bob Montgomery for this item!

Until next month, Season's Greetings, Good Listening, and 73 - Richard

Every once-in-a-while we all discover a great tool, or glue, or cleaner which is really handy around the shack. After about a month, you ask yourself, "How did I ever live without this stuff?" Well, that's the case with Cramolin, a de-oxidizer made by Craig Laboratories of Escondido, Ca. What's a de-oxidizer you ask, and how would I use it around the shack? Well, it does what tuner-cleaner is supposed to do, and more.

I learned about it from a "Tech" at the Ten-Tec Service Department--he said that T-T uses it by the case! In just a couple of weeks I cleaned up an intermittent digital display, repaired a really noisy volume control which had resisted all previous cleaning efforts, solved an audio problem on SSB (dirty pin on mike connector) and generally improved station grounding!

Cramolin is available in Ozone-safe propellant spray cans in 2% & 5% solutions (I use 5%), liquid (2%, 5%, & 100%), and pastes. It is offered in two colors--Red and Blue. Red contains a cleaner & de-oxidizer, while the blue is for newly machined items and lacks the cleaner. Use is simple, spray or brush it on, wait 15 sec. to a minute, and then wipe with a lint free cloth or swab. Let me tell you, the swab comes away dirty--even from internal chassis boards. For edge connectors, switches, and potentiometers just spray in lightly, allow to drain and operate/insert a couple of times. Craig claims that use of the de-oxidizer improves conductivity so much that switches can be operated far above rated capacity.

Cramolin isn't cheap--a six oz. can of 5% Red runs about \$9. That's a whole lot less expensive than a month of radio down-time or protracted poor performance. You won't find it at the local parts store yet. There are a few regional dealers you might try, or you can order directly from the manufacturer.

In Philadelphia, it's sold by Chestnut Hill Audio, 149 N. 3rd St, Ph. 215-923-3035 (The audiophiles have been using Cramolin for a long time), or Techni-Tool, 5 Apollo Rd, Plymouth Meeting, Ph. 215-825-4990. On the high-tax side of the Delaware River you can try Scientific Instruments Service, Inc, 1027 Old York Rd, Ringoes, NJ 201-788-5550. CRAIG LABORATORIES has an address of P.O. Box J, Escondido, CA 92025, Ph (619) 743-2460. Besides Cramolin(tm) they also offer high quality de-greaser, oilers, and high-quality solders (including Silver Solder which is needed for stainless steel work).

The company seems very customer oriented. I made a call asking for a little technical information and received a three-oz package of data, and dealer lists for PA & NJ. Based on my experience with the product, I recommend it highly.

Thanks to the Frankford Radio Club for permission to reprint this tip by Blair Bates K3YD which appeared in the July, '90 edition of their newsletter.

African Destinations

Dr. Harold Cones
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Newport News, VA 23606
Compuserve 71570,411



You may want to get your atlas out before you visit the African Destinations for this month. Look for the large island of Madagascar, just below the equator, in the Indian Ocean, directly off Mozambique. To the northwest of Madagascar is the Federal Islamic Republic of Comoro and due north of Madagascar are the Seychelles; to the west of Madagascar is Mauritius, and due east of Mauritius is Reunion. Only the Comoros and Seychelles are heard on shortwave today, but Mauritius and Reunion have been DX targets in the past and may once again return to shortwave (Reunion returned a few years ago for a test transmission and the NU/FT Special Transmissions Committee is attempting to convince Mauritius to do likewise). These Indian Ocean island nations have been on most DXers hit lists for years, but they are targets about which most hobbyists know little. This month we will try to correct that and introduce you to these little known nations.

Comoros

The four beautiful mostly forested volcanic islands of Comoros are surrounded by coral reefs which support a small commercial fishing industry. Comoros was settled by a variety of peoples and probably has one of the greatest racial mixes of any African country. The French landed in the Comoros in 1841 and after a series of successful negotiations, declared Comoros a French Colony in 1912. Because of its great distance from other French colonies, both geographically and ethnically, the Comoros were mostly neglected. When independence came in 1975, the Federal Islamic Republic of Comoros found itself facing a modern world with an economic system no different than that of precolonial days. Based chiefly on Plantation Agriculture (the growing of crops for export, mostly on land owned by foreign investors), the economy is unstable and the nation finds itself increasingly dependent on foreign aid.

Three of the islands changed their names following independence: Njazidia (formerly Grande Comore), Mwali (formerly Moheli) and Nzwami (formerly Anjouan). The easternmost island of Mayotte voted to remain a French dependency and contains a French Navy base. The lagoon formed between the island of Mayotte and the surrounding coral reef is considered one of the most beautiful in the world and has formed the backdrop for several Hollywood pictures. The Comoros contain two NASWA countries: Comoros (Federal Islamic Republic of Comoros) and Comoros (Mayotte). The first is represented by Radio Comoro, broadcasting with 4 kW on 3330.8//7260 KHz from the capital city of Moroni, on Njazidia (Grande Comoreo). Although 7260 KHz is listed for this station, it has not been reported on that frequency for some time, primarily because the 0900-1300 UTC schedule, coupled with only a 4 kW transmitter, is not conducive to U.S. reception. It takes real perseverance to hear Radio Comoro on 3330.8 KHz under CHU, but when propagation conditions are right, it may be heard broadcasting in French between 0300 and 0500 UTC. Verification is spotty, but a letter (or sometimes a card) may be received for a French report and mint stamps. (Comoroan mint stamps, as well as those from many countries, are available from Bill Plum, 12 Glenn Road, Flemington, NJ 08822. Send Bill a SASE for a complete list of mint stamps available). The shortwave station on Mayotte has not been active for many years.

Seychelles

The Seychelles are probably what most of us would equate with a typical island paradise: palm lined beaches and a perfect climate. The two main islands, Mahe and Praslin, are partially granite with volcanic slopes that soar to heights of 3,000' in picturesque jungle. 95% of the 66,000 Seychelles inhabitants live on the main island of

Mahe, the remaining 5% being scattered over the 100 other islands that make up the Seychelles group. The islands were uninhabited until the French arrived in 1770. Today's inhabitants are descended from early French settlers and African slaves from Mauritius (this mix is called Creole), blended with the British settlers who ruled the islands for 162 years. Primary "crops" are coconut, fish, and tourism. The islands handcrafts are widely exported and reflect the marine heritage of the people—coral, tortoiseshell, and mother-of-pearl.

Seychelles is also known for the tremendous diversity of its flora and fauna, now mostly protected. It is home to dozens of the world's rarest birds, the most rare being the paradise flycatcher. A giant land tortoise lives on the islands, and the rare Coco-de-Mer, a tall palm that can live up to 800 years, is found nowhere except the Seychelles. The great beauty of the islands, coupled with the diversity of the plants and animals, have made Seychelles a growing tourist attraction and a shooting site for the motion picture industry.

There are two chances to log Seychelles on shortwave. The Far East Broadcasting Association (FEBA) operates from Seychelles on a broad spectrum of frequencies and times, and in 26 languages. Frequently it is reported at 0030 UTC on 7275 KHz broadcasting in Hindi and at 1500 UTC on 9590 KHz broadcasting in English. Also broadcasting from Seychelles is the BBC Indian Ocean Relay with 250 kW. Relaying standard BBC programming, this relay may be heard many evenings between 0300 and 0430 UTC on 15420 KHz. FEBA verifies with a colorful full detail QSL card and program literature. The BBC relay will at times respond to reception reports with a full data letter if sent directly to the site, rather than through London.

Mauritius

Mauritius has not broadcast on shortwave since 1988, but there are plenty of DXers around who proudly display a Mauritius QSL. Mauritius is an island of sugar—45% of the land and a third of the labor force are involved in the cane plantations. World sugar markets, however, are changing, and Mauritius now finds itself in a massive

retraining operation to revitalize its economy. One facet of this change is a rapidly emerging cottage industry in piece sewing. It is not uncommon to encounter a wide variety of clothes, especially men's shirts, that bear the "Made in Mauritius" label. The changing economics, coupled with a massive population increase (due mostly to the eradication of malaria) have plunged the country deeply in debt in spite of its efforts. The island's beauty, however, is haunting, with beautiful tropical beaches and an inland volcanic landscape that attracts tourists. Tourism may become the dominant industry on Mauritius, as it has on the other Indian Ocean island nations, and restore stability to the economy. The population of Mauritius is chiefly of Indian extraction, descendants of contract workers who came to work the plantations after the abolition of slavery in 1835.

Mauritius has been inactive on shortwave for only a short period and their transmitters may still be operable. It is with this hope that the Special Transmissions Committee is attempting to arrange a test transmission, much like the recent St. Helena transmission. It may never happen, but keep an eye out!

Reunion

Reunion, like Mauritius, is no longer a shortwave broadcaster. Also like Mauritius, the dominant crop on Reunion is sugar cane, which grows on 70% of the agricultural land. Reunion, a French overseas department, processes much of its sugar crop into molasses and rum, which it exports. Although Reunion attracts tourists, its remoteness greatly limits tourist potential. Reunion appears to no longer be interested in a shortwave service, so most of us will never have the opportunity to exhibit a Reunion QSL.

I hope you have enjoyed finding out a bit about these island nations. I have always felt that DX targets are much more interesting when you have a deeper understanding of their culture and geography. Since I will not have a column until after the holidays, let me wish you the best in holiday wishes: peace, happiness and good DXing. I will return next time with a discussion of South African shortwave.

Listener's Library

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Stillwater, OK 74704
Compuserve 74730,2145



Thanksgiving Day got me to thinking... One of the things I'm most thankful for this year is the wide membership support for this column. As a regular reader, you know that we have had some super contributions from all sorts of folks in the first year of Listener's Library. I've also received a good number of kind notes of support and expressions of enjoyment at this somewhat off-the-wall (off-the-shelf?) column. Editing The Library column has been and will remain a real source of joy for me. THANKS! Keep those cards and letters coming!!!

REGIONAL NASWA MEETING

Speaking of cards and letters, about 60 NASWAn and/or FT subscribers should have already received letters of invitation to the first Regional Meeting of NASWA in Cowboy Country: from 10 AM - 10 PM on Wednesday, Dec. 26 at the Best Western Hotel in Stillwater, OK. The somewhat odd timing was arranged so that we could all spend the day with NASWAn Gordon Darling.

Gordon, as most of you know, is one of the premiere SWBC DXers in the world and is also a real leader in international MWDX. He is an active radio amateur as well. Gordon was featured on "Communicator" from Radio Australia and will soon be heard on RN's "Media Network." Gordon and his family are on the way from their home in Port Moresby, PNG to England on annual holiday and are spending Christmas with the Bryants. IF YOU LIVE WITHIN DRIVING DISTANCE OF STILLWATER AND, FOR SOME REASON, WERE LEFT OFF THE MAILING LIST, please drop me a note if you would like to attend this first-ever Regional Meeting of NASWA in Cowboy Country.

T O T H E S H E L V E S

Recently, we got a wonderful letter/contribution from Hermod Pedersen in Malmo, Sweden. His contribution is so timely, that I cannot resist quoting it in its entirety:

BROADCASTING PIRATES

reviewed by Hermod Pedersen, Malmo, Sweden

As I love books as much as I love the DX hobby, what can be more fulfilling than the combination of both? This is merely to say thank you for "Listener's Library." In the last column I found some new interesting titles to track down.

This reminds me of a Soviet book, published in Moscow, written by A. Panfilov entitled *Broadcasting Pirates* with the nice subtitles of *Abuse of the Microphone* and *An outline of External Political Radio Propaganda by the USA, Britain and the FRG*, published in 1981 by Progress Publishers.

As I recall, I had read about the book in some article and then tried to get hold of it via libraries, bookstores and even the Soviet Embassy in Stockholm, all to no avail. Finally, I found it in the opposite camp, i.e. in the United States at Imported Publications in Chicago! I suppose that is what we normally would describe as freedom of information--and lack of, for that matter.

Mr. Panfilov's book is well worth reading. To be more exact, it is very amusing. A few examples:

"The BBC's ramified service of external political radio propaganda would not be a genuinely British institution and a tool of British diplomacy if, like the latter, it did not have a strong propensity or, to be more exact, a strongly-pronounced inclination for hypocrisy, intrigue, double dealing, and decorous disguise. All this not only naturally lead to the BBC's active involvement in the Cold War; it also made the organization peerless in elaborating and carrying out 'psychological operations.' The BBC always worked out its external radio propaganda in keeping with the aims of psychological warfare."

"Listeners write to the BBC without even being aware that, according to instructions, all the letters fall into the hands of the Secret Intelligence Service."

"The Voice of America puts out ten information bulletins daily in Russian alone. Each of these takes 10-12 minutes of broadcasting time. The portrayal of life in the world and in such a big country as the United States by objective, effective and interesting information may seem a worthy task, but the Voice of America gives 'information' to distort this picture. An analysis of the Voice of America information broadcasts in Russian shows that attention is focused mainly on 'Soviet themes' which constitute up to 50 percent of all information given, while 80 percent of these themes are on the activities of so-called 'dissidents.' i.e. a group of no more than 30 or 40 people as the Voice of America admits, while the population of the USSR is over 260 million. Is it reasonable, therefore, to claim that the life of Soviet society is being objectively portrayed?"

"One of the first attempts by US reactionary circles to implement the 'liberation doctrine' were the acts of provocation in East Berlin in June 1953, during which the destructive role of US radio propaganda was manifested especially vividly. US reactionary circles set themselves far-reaching aims in organizing those acts, the main ones being to overthrow the people's democratic government of the GDR, then spread imperialist domination throughout Germany and thus gain a foothold in the struggle against other People's Democracies in order to subsequently eliminate them. The preparations for the provocatory acts took a long time, and RIAS (Radio In American Sector, my tone--H.P.) activities held an important place in the plan."

It seems that history has corrected Mr. Paniflov as the 80's went by... Sincerely, Hermod Pedersen

Thank you very much, Hermod! One of the reasons most of us are so fascinated by shortwave listening is the chance to see ourselves and the world in general from viewpoints other than our own... As we watch and listen to the very difficult times occurring in all parts of the former "Eastern Block," it is very useful for all of us to remember the intentional misuses to which all forms of communication have been put in the past decades under many political guises. I know that I have to keep reminding myself that the viewpoints and even actions of some of my close friends in Eastern Europe and China are very different from mine because, far too often, they know even less about my society and culture than I do about theirs. There is an ancient Chinese curse, "May you live in 'interesting' times!"

A R E A L K H A N J O B

As in Genghis and Kublai, hi, hi. We also recently received an interesting contribution from Dave Leibowitz of Scarsdale, NY. It seems that Dave is another Asia freq like me and has discovered my favorite publisher of Asian Books: Charles E. Tuttle. Dave writes:

"We all like to read about the countries we hear on SW. My personal interest is in Asian countries, and the SW stations there.

Mongolia is of particular interest to me; I find this mysterious land-locked country fascinating and I've found Mongolia very difficult to research. However, recently I found the book entitled *All-Asia Guide* published by Far Eastern Economic Review, and distributed by Charles E. Tuttle Co, VT.

It is the first guidebook I have ever found with a feature on Mongolia and I thought I would let our club members know about it. The book has features on every country in Asia, from Bangladesh to Vietnam. It's price is \$12.95 (704 pages)."

Dave sent along the pages on Mongolia and they are super!! There is a brief history and description of the country, a country map, a map of downtown Ulan Bator (CAN YOU BELIEVE IT!!!) and general information vital to visitors. Although each of us would put this beauty to loftier purposes, at the very least, this very reasonably priced book could be invaluable in writing intriguing follow-up reports to reluctant QSLers!

AND FINALLY.....

We'll skip the Bibliography this month to get in two more contributions from NASWA/ODXA's David Clark of Toronto. Dave recommended two more of the in-depth "Reporter-At-Large" kind of articles from *The New Yorker* magazine. The first of these was the best discussion that I've read on the current situation in Laos... absolutely superb coverage in a lengthy piece in the August 20, 1990 issue. The second article that David and I both recommend is a very astute "Report from China" from October 22nd's of *The New Yorker*.... A lengthy piece on the current and future political situation China.

I've just room to wish each of you a

HAPPY HOLIDAY SEASON!!

May alla yo QSLs be prompt!

Listener's Classroom

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CompuServe 76476,1556



David Menlo of Tacoma Park, Maryland, writes, "I was impressed with some of my friends who seem to know a lot about shortwave, especially language recognition. Sometimes, though, when I'm not with them and just idly tuning the dial I find the choices of languages really overwhelming. How do these guys do it?"

As they said in the old country, David, I'm glad you asked that question. One of the major advantages of becoming a shortwave enthusiast (SWE) is becoming expert in recognizing many tongues.

This linguistic ability is not something that happens overnight. It literally takes years of listening to those strange lilts and dialects before this acquaintance becomes second nature. You truly do not need to know how to speak Portuguese to listen to Brazil or Amharic to listen to Ethiopia. All you have to do is be willing to make the attempt at recognizing the language.

Not only does the SWE know the location and shape of the country whispering through delicately tuned earphones, but also has an awareness of the demographics of the country as well. It is this acquired knowledge that helps in language identification.

Following the example of an experienced SWE is your best bet, especially those whom you know. Eventually there will come a time when you will drift through the bands glibly calling off the countries where the stations originate. This won't be a party trick but something that is actually quite valuable.

Let's Get Started

The easiest method to start learning a language is by obtaining a program/frequency schedule of the Voice of America (VoA) and/or the British Broadcasting Corporation (BBC). More often than not these two major broadcasters will identify, in English, the language of the next broadcast.

Don't, at first, try to make any translation of what you hear. Unless you plan to be-

come a linguist, you will not need to translate everything anyway. After several broadcasts you should have some idea of how the language is spoken.

One of the most obvious things that you will notice will be the word "radio." Now this word, in all its variant spellings, sounds just about the same in any language. Right around that word will be the name of the station and/or the country/city name of the origin of this particular broadcast. Don't be afraid to say what you just heard out loud. Kids walking around muttering to themselves with headphones stuck in their ears will make you seem normal, a part of the crowd.

Listen for place-names, names of personalities in the news, and other common words. Daily doses of Bob Edwards (NPR) and Peter Jennings (ABC) have allowed me to follow the news stories in my native language thus keeping sharp those names and phrases that are often the same in other languages. After all, how many non-Russian speakers could ever recognize "glasnost" and "perestroika" before those words became household names?

*Don't be afraid to say what you
just heard out loud.*

Since it is the goal of every ardent SWE to become a DXer, the importance of language identification when listening to stations that broadcast only to a select audience (the home services) is magnified. Quite often audible hazards (static, for instance) will block your hearing of key words and phrases. (This we know all too well!) Familiarity with the style of the language, and geographic knowledge, will go a long way towards establishing that elusive identification.

One of my former college professors,

Don Zeigler (Old Dominion University, Norfolk, VA.) tried his best to drum into my head a subject called "Cultural Geography." That term talks about the distribution of people groups and their interaction with the environment of wherever they are at the time. Within that context there is also identification of language groups, where dialects of the same language can be found within the same geographical area. Spanish spoken in Madrid is not the same Spanish that is spoken in beautiful downtown Lima. French spoken in Marrakech is not the same

as that on the streets of Paris. In many language groups around the world similar distinctions may also be noted, but only by an individual whose experienced ear is attuned to such differences.

I mentioned in my last column that I was on GENIE and PRODIGY. Well, that's no longer true. A survey of my transmitting logs showed very little time on those two services for the money. Please continue to send all E-mail to my CompuServe address. ThanX!

KGEI, Voice Of Friendship

A Station Tour

by Bob Rydzewski

At the end of Radio Road on the windswept salt flats of Redwood City, California sits a beige two story building, home to KGEI, the Voice of Friendship. In the background loom towering steerable array antennas that send this voice to places as remote as Afghanistan and Antarctica. Beyond the antennas is San Francisco Bay, where ships sailing by can appear to pass through them.

Station manager Jane Nicoll and engineer Ed Peebles showed that friendship is more than just a motto here as they patiently explained the purpose, history, and technical aspects of the station to this DXer and would-be cub reporter. They explained that the stations call letters originally stood for General Electric International, and that the company's first shortwave transmitter, built for the 1939 San Francisco World's Fair and later used to broadcast General MacArthur's famous "I shall return!" speech to the Pacific, is still in use. Nowadays this 50kW transmitter, modernized and partly transistorized, can be heard broadcasting Christian non-denominational programming plus UPI news and sports to the people of Latin America.

Less historic but more powerful is the quarter-million watt Mission Engineering transmitter which together with a matched TCI-611 steerable array antenna broadcasts the station's Asian service over the Pole and across all eleven time zones of the Soviet Union. Since this depends upon polar propagation, the high sunspot counts of the last few years have taken their toll and KGEI has been forced to discontinue this service for the last three summers. The Asian service has returned as of September, however, and next summer may or may not require another shutdown. So what's good for the DXer may not be good for the international broadcaster!

Those who, like myself, are unfamiliar with the real day-to-day operations of an international broadcaster will find a tour of such a station enlightening. KGEI is almost a world in itself, beginning with studios used for producing and recording programs (most of the station's Spanish programming being produced in-house), and satellite facilities for receiving the latest UPI news. Sorry you RTTY fans, that's what it takes to get same these days! The powerful electronics required for transmitting on this scale make use of giant vacuum tubes in the output stages that are water cooled and generate steam that needs to be condensed and recirculated. Plumbing like this, says engineer Peebles, is something most people don't associate with radio broadcasting. Electric bills that regularly run into the kilodollars are hand delivered by the utility company each month. Then there's the room with the high voltage equipment, aptly named the "One Mistake Room".

Since components will fail, insulators will crack, cable tensions will change, and the unexpected will crop up, on-site maintenance and repair facilities, including machine and electronic shops, are important to the station. The recent Loma Prieta earthquake, for

example, tangled the transmission lines leading to the antennas, but fortunately did no other damage there. This was KGEI's first experience on the receiving end of an earthquake, as the station had suspended scheduled broadcasts to transmit health and welfare messages when crippling quakes struck Nicaragua, Guatemala, and Mexico City in the past. Citations from government officials in these countries are displayed at the station, as is a citation from President Kennedy for broadcasting VOA service to Central America during the 1962 Cuban Missile Crisis. Truly, the station has a long and proud history, but one gets the feeling that this is never allowed to overshadow its commitment to people today. Much of KGEI's current activity involves mail. The people there feel a real responsibility to answer each and every letter from their listeners. Since these come in at the rate of over a thousand per month and in a number of languages, this is a massive undertaking. A tour of the mail room revealed piles of letters from Brazil, Paraguay, El Salvador, etc. Stamp collectors come here to have a field day with the discards. And yes, occasional QSL requests from DXers foreign and domestic are received and graciously verified.

In the past couple of years, thousands of letters from Soviet listeners have come in, a gratifying result for the Asian service people. Prior to that letters from the USSR were few and generally smuggled out of the country with travellers, so station officials had little idea as to how many Soviets were listening. Things have changed in a big way, of course. Recently the head of the Far East Broadcasting Corporation, of which KGEI is a member station, toured the Soviet Union at the invitation of the Orthodox Church there. He found the Redwood City station came in loud and clear, and that a surprising number of Soviets had been listening to it for years. This Asian service broadcasts programming in Russian and Polish between 0200 and 0530 UTC at 11680 kHz.

The station's Latin American service is now celebrating its 30th anniversary. Its current broadcast schedule is shown below:

2200 - 0312 UTC	15280 kHz
0315 - 1357 UTC	9615 kHz
1400 - 1600 UTC	15355 kHz

Spanish speaking readers should take note of the program "DX Internacional" which can be heard on 15280 kHz at 0005 UTC and on 9615 kHz at 0335 and 0705 UTC. So whenever your dial twirling bring you to the Voice of Friendship, keep in mind the dedicated people and the high-powered equipment, old and new, that brings this voice to your receiver and to the world.



NASWA Portraits

Jerry Kilnck
43 Lein Road
West Seneca, NY 14224



"Remember When?" - "When Bill Eddings of NASWA heard that WIDXA would be skipping a month (due to difficulty) he kindly offered to send the NASWA bulletin to (our) members for the month... his offer must be acknowledged and sincerely thanked!" This excerpt from the bulletin of the Windward Islands DX Associations' Feb. 1967 issue shows how "Unity and Friendship" are embedded in the history of our fine club.

And now back to the present. This month's guest is a man who also imbues the NASWA motto, a man whose friendship and help to me in re-entering this great hobby are greatly appreciated. Frank Orcutt of Buffalo, NY and Alameda, Ca...

"My first encounter with shortwave radio was in 1968 when I was at a friend's house while his father was listening to the ballgame via AFRTS on a multi-band portable. When the game was over, he let me play around with the set. The very first DX signal I tuned in myself was Radio RSA and I've been hooked ever since.

"My first rig was a Sears multi-band portable not unlike my friends' fathers radio. I found out about DX Clubs and QSLing from HCJB's *DX Party Line*. After a massive lobbying effort, my parents finally procured for me a 'real radio', a Realistic DX-150. That was in 1971, the same year that I joined NASWA, at the tail-end of the mimeograph days of FRENDEX.

"I logged my first 100+ countries on the '150. One of my fondest memories of the 'early days' was the trek to the 1972 ANARC Convention in Boston, where I met Eddy Startz of *Happy Station* fame.

"A love affair with 'hollow state' rigs developed and my main receivers in the second half

of my first decade of DXing were a Hq-145A, an HQ-129X and an R-392. However, a move to the west coast on the cheap necessitated me to jettison the boat anchors. My premier receiver in the new location was an FRG-7 followed by a string of various sundry vintage receivers.

"My most enjoyable and productive years of DXing were spent in the San Francisco Bay area using an Icom R-70, an R-390A and an SP-600JX. That lineup got me over the 150 countries verified hump.

"Personal circumstances and 'professional' pursuits put me on the 'inactive list' for the past few years. This spring, however, my loving wife Gail, sensing that I was not a totally happy camper, bought me a Magnavox D2935. The fire has been rekindled, the DX bug has come out of hibernation, and the grin hasn't left my face.

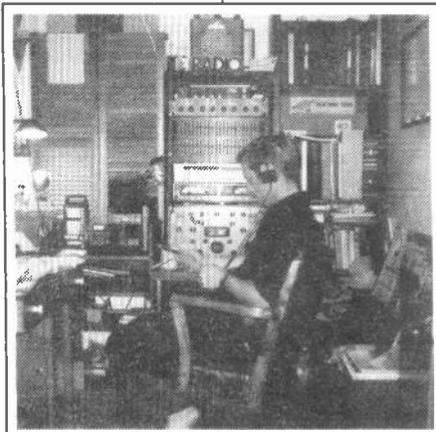
"As ever, Central and SAM DX remain favorites, coupled with a special fondness for the music of Peruvian stations and others. Currently used antennas are

the DX Sloper and the Eavesdropper."

Thanks for the visit, Frank, and special thanks to Gail for buying you that rig. I owe her a beer.

What Frank didn't mention, and what will be the subject of an upcoming feature article by yours truly, is the fact that he has had the remarkable experiences of visiting some of his favorite stations personally. Among other things, this is a rather unique report follow-up procedure that is quite effective. It should be a most interesting story, complete with some exclusive station photos and background info.

Unfortunately, this is the last member profile that I currently have here. I know that there are some stories out there that we'd all like to hear. One is no doubt yours. Won't you share your own experiences with us? Now is the time to sit down and write it up! Meanwhile, till next time, 73 & GREAT DX!



Equipment Review

Rich Arland
25 Amherst Avenue
Wilkes-Barre, PA 18702
Compuserve 71271.1651

Antenna noise bridges have been around for quite some time. However, the innovative folks at MFJ Enterprises, P.O. Box 494, Mississippi State, MS, 39762, have refined the design by adding a L-C tuned circuit, metering circuit and packaged the unit into an ultra-portable antenna bridge, which can be taken directly to the antenna for measurements!!

No longer are you chained to the radio shack desk, having to run from the receiver out to the antenna site, trim the antenna, then run back into the shack for more measurements. With the MFJ model 204B antenna bridge it is possible to set up the initial parameters inside the shack then take the tuneable noise bridge out to the antenna site and do the actual pruning with out all the trips to and from the shack. Now if that ain't the neatest thing since RADIO PONCHO VILLA!!

The MFJ-204B is tuneable from 160-10 meters (actual tuning range is 1.5 through 35 MHz) in 5 ranges, which not only covers the ham bands but the SW bands as well. The Resistance scale is calibrated via a calibration chart on the back of the bridge to insure accurate resistance measurements.

The 204B measures: 7 3/4 X 2 3/8 X 2 7/8 inches (H X W X D) and has an internal 9 V battery (not supplied) to furnish power for the bridge circuitry. Front panel controls are: RESISTANCE, BAND SELECT, POWER ON/OFF, TUNE, & the meter. A SO-239 coaxial connector for connecting the bridge to the antenna circuit under test, external power connector and a RCA jack for frequency counter output are included on the top of the 204B.

Using the MFJ-204B is very simple. Ample instructions are included with the unit, but in a nutshell, all you have to do is select the proper band via the BAND SELECT control, couple the 204B to your main station receiver (or transceiver) and dial up the frequency on the receiver where you want the antenna to resonate. Then adjust the TUNE control until the oscillator is heard in the receiver. Now you have the proper parameters set into the 204B. Take the unit outside to the antenna under test and couple it directly to the feedpoint via a male-to-male PL-259 adaptor or use an even half wavelength of coaxial cable (cut to the proper operating frequency). Turn the RESISTANCE control until a maximum dip on the meter is observed. Read the antenna feedpoint impedance on the resistance scale.

Next comes the pruning of the antenna elements to obtain the exact operating frequency, selected on the 204B. Cut small amounts off of each end of the antenna and recheck the RESISTANCE readings often. In short order, you will have pruned the antenna to the proper operating frequency.

The MFJ-204B can be used to make up phasing lines and impedance matching coaxial stubs, pre-set the station antenna tuning unit (ATU) for quick band changes, quickly prune antennas at a DXpedition site, properly adjust the driven element on a beam or quad while on the tower, adjust an antenna for resonant frequency, and basically make life much easier for the SW Listener or DXer who wants to maximize the old antenna farm.

How much does one of these little jewels cost? Retail for the MFJ-204B is \$89.95 making it very good value for money. Since I have used the MFJ-204B over the last several months, I have come to depend upon it for all my HF antenna research & development. The 204B is a flexible antenna impedance bridge and sure takes the work out of antenna adjustment and gives you more time at the receiver. After all, isn't that what its all about?? Contact MFJ and tell them you saw it in THE JOURNAL.

Company Store

Richard A. D'Angelo
2216 Burkey Drive
Wyomissing, PA 19610



Our good friend Bill Plum advises that the coffee mug should be called a tea mug. So, take your pick, call it either a coffee mug or a tea mug. Since yours truly is a tea drinker, I can go along with Bill's suggestion. Now why didn't I think of that?!? Tea drinkers take note: the NASWA Tea Mug is now available!

NASWA COFFEE MUG ON SCHEDULE

The "ordering period" for the first batch of NASWA Coffee/Tea Mugs closed on October 31, 1990. The first batch of NASWA Coffee/Tea Mugs have been ordered. Some members have commented that a number of members may not have been able to order during the two month "ordering period" for one reason or another. They suggested that we consider taking orders after the ordering period. Although the Company Store's original plans did not call for maintaining an inventory of Mugs, we decided to order a few extra to offer to our members over the coming months. In this way, new or rejoining members and habitual procrastinators will have an opportunity to obtain a mug too. Thanks for the suggestion. Therefore, if you missed the "ordering period", it's not too late to place an order for NASWA's first Coffee/ Tea Mug. The NASWA Coffee/Tea Mug costs only US\$7.00 in the USA, US\$8.00 to Canada, US\$12.00 to Europe, and US\$18.00 to Australia and New Zealand. Don't delay - order today while supplies last!

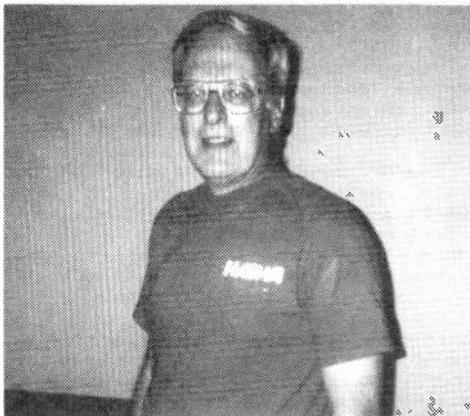
Our first overseas order for a coffee mug came from Frank Starrost in Kiel, Federal Republic of Germany. I was good to hear from you. Hopefully you will be enjoying your favorite holiday brew in your NASWA Coffee Mug.

D'ANGELO ACHIEVES ALL TIME GOAL

D'Angelo finally takes a log on Tristan? A rare Peruvian QSL makes an appearance in his mailbox? Perhaps his family lets him DX in peace? While all the above would be notable achievements in my hobby life, none can compare to achieving my life ambition. After almost 11 months of manning the NASWA Company Store I have finally sold something to Harold Sellers. That's right! Instead of Harold reaching out and and taking money for selling ODXA merchandise (Harold has plenty of my money in the ODXA treasury), he actually sent in an order for a NASWA Coffee Mug. The crowning achievement in my DXing career!

Two months ago, new Contributors' Page editor Vern Hyson joined the staff. Pictured to the right is our ol' friend Vern in his NASWA T Shirt. As Vern mentioned in his first column, a NASWA T Shirt, Sweatshirt, Jacket or Hat could be the most important piece of peripheral DX gear you can obtain. Take a tip from a Master DX Centurion. Welcome aboard Vern!

All NASWA clothing is available in NASWA Royal Blue with the club logo in white over the heart of the T Shirt, Sweatshirt and Jacket. In the USA, T Shirts cost only US\$11.00; Sweatshirts cost only US\$20.00; and our Lined Windbreaker Jacket only costs US\$24.00. Our Poplin Golf Hat costs just US\$8.00. Delivery is by UPS. Canadian members please add US\$3.50 for shipping to major metropolitan areas.



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Make checks payable to either Richard D'Angelo or The NASWA Company Store

NASWA Awards

Richard A. D'Angelo
2216 Burkey Drive
Wyomissing, PA 19610



Welcome to December's column. Lots of activity this month. Let's see what you folks have been up to.

African Continental DX'er (40 African Broadcast Countries)

Donald M. Hosmer, Dearborn, MI

All Germany DX'er (10 different Shortwave Broadcast Stations From "Germany")

Michael Fanderys, Parma, OH

Ecclesiastic DX'er (15 Religious Oriented Shortwave Broadcast Stations)

Ronald Stout, Oak Ridge, TN

Kris W. Field, Ambler, PA

Master DX Centurion (200 Shortwave Broadcast Countries)

C. Vernon Hyson, Charlotte, NC - You just don't see many of these any more.
Congratulations Vern!

Master European DX'er (35 European Broadcast Countries)

William H. Taylor, Unionville, PA

Master Papua New Guinea DX'er (15 Shortwave Broadcast Stations in 5 Broadcast Radio Countries Controlled By Papua New Guinea)

Kris W. Field, Ambler, PA - A nice addition to the wallpaper collection.

North American Continental DXPert (18 North American Broadcast Countries)

Donald M. Hosmer, Dearborn, MI

ORTF DX'er (6 Shortwave Broadcast Stations That Have Been Controlled By The ORTF)

Donald M. Hosmer, Dearborn, MI - The first one of these to be earned in over 2 1/2 years! It's a tough one. Congratulations Don!

Senior China DX'er (5 Different Provinces or Autonomous Regions)

Donald M. Hosmer, Dearborn, MI

Senior DX Centurian - 160 Country Endorsement

Donald M. Hosmer, Dearborn, MI

Senior Ecclesiastic DXer (25 Religious Oriented Shortwave Broadcast Stations)

William H. Taylor - Bill managed to log and verify the tough Alaskan KNLS for his 25th religious oriented shortwave broadcaster - nice!

Kris W. Field, Ambler, PA

Senior Time Station DXer (10 Time Stations in 6 Continents)

William H. Taylor, Unionville, PA. Now where have I seen that name this month!

Soviet Sphere DXer (10 Soviet Broadcast Countries)

William H. Taylor, Unionville, PA

A big welcome to Awards Program newcomers Michael Fanderys and Ron Stout. It's always good to see some new names among the regulars. Speaking of regulars, Bill Taylor and Don Hosmer had nice hauls of awards. Each added four new awards in one shot - nice work!

For over a year, the Awards column was missing from the pages of the bulletin. During that time a number of awards were issued. Unfortunately, recognition of those achievements never appeared in the bulletin. If you were one of recipients of an award during this period, please drop me a line indicating which awards were issued and when. Thanks.

NASWA Awards Program: Have you submitted an application lately?

Mint Stamp Special For NASWA Members Only

Bill Plum offers a great seasonal buy for Indonesian and Papua New Guinea QSL hunters. During December Bill is offering 4 Indonesian and/or Papua New Guinea return airmail postage packets of stamps for only US\$4.00. That's a US\$1.00 savings off the regular price of US\$1.25 each. When writing to Bill mention that you are a NASWA member and read about his offer in the Journal. You can reach Bill at:

William J. Plum
12 Glenn Road
Flemington, NJ 08822

An SASE will get you a copy of Bill's entire product and price list.

Awards Tidbits

Bill Taylor sends word that Jack Russel of World Music Radio in Scotland will be returning to shortwave for the holiday season. No times or days have been announced as yet, but check out 15,045 +/- 15 kHz late afternoons on the east coast (2100, 2200ish) for Scotlands only shortwave broadcast station. This is the only way to add Scotland to your verification totals. Although the European Senior DXer award for 25 European Shortwave broadcast stations is easily accomplished without Scotland, the more difficult European Continental DXPert for 35 European shortwave broadcast countries will probably need this rare station. The station is a good verifier. Check the September and October 1989 editions of DXers Forum for background information about Scotland's lone shortwave voice. Bill promises to update Journal readers with further details when they become available. Thanks Bill for that holiday tip!

Although Germany has achieved political unification, for shortwave broadcast country counting purposes Germany remains three radio countries. Unlike many other country lists, the NASWA list uses the philosophy that once a country, always a country. Therefore, logging Radio Deuteche Welle via one of the transmitters in the former German Democratic Republic counts as East Germany on the NASWA country list. Similarly, Berlin will continue to count as a separate radio country. This provides the newcomer to the hobby with an opportunity to compete on the same playing field as hobby veterans. Keep this in mind when chasing the European Continental awards, the DX Century awards and the All Germany DXer award.

Continuing with Germany for the moment, the DSWCI's Shortwave News bulletin carried word that Time Signal Station Y3S in Nauen closed down on 1 July 1990 per Gerd Klawitter in the September Utility Shack column. Time signal station awards chasers have lost a friendly target in Europe. The station operated on 4,525 kHz.

China Award chasers tip from Don Hosmer: The WRTH 1990 shows 3 municipalities, 22 provinces and 5 autonomous regions in the people's Republic of China on page 176. Since the Senior China DXer and the Master China DXer require verifying stations in 5 and 9 provinces and autonomous regions, respectively, this list should come in handy in helping DXers determine whether they have qualified for these awards. Remember, for awards purposes Taiwan counts as one of the provinces or autonomous regions of China.

Don also comments upon the difficulty in obtaining the North American DXPert awards. With Grenada, Greenland and Montserrat all in-active on shortwave, this award has become almost impossible for newcomers to the hobby to achieve. Many years ago the North American DXPert award required verification of 22 radio countries. However, this requirement was lowered to 18 as stations were permanently deleted from shortwave. Don notes that only 16 North American radio countries are currently active on shortwave. I think lowering the requirement is premature at this point. However, the situation will be watched.

Recently I received a QSL verification from the Voice of Oz. Verie signer Howard E. Lyon mentions that about a dozen listeners have written to him asking if "Oz" is a new NASWA country. Speculation among his listeners suggest that "Oz" could keep Antarctica company at the end of the NASWA Country List. I'm sure Country List Chairman Don Jensen will review the situation but somehow I doubt it will come to pass.

Please remember that awards cost US\$2.00 in North America and US\$3.00 overseas. Additional overseas awards applied for at the same time cost only US\$2.00 each. International Reply Coupons at a rate of US\$0.50 are also acceptable. 73 - RAD

the **QRPV** page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

THE PENANG WIRELESS SOCIETY PENANG, STRAITS SETTLEMENTS

The Penang Wireless Society, an amateur organization, thanks you for your report of reception of Broadcasting Station ZHJ in Penang, Straits Settlements. Details given in your report are correct and further reports will be appreciated.

A weekly programme sheet is enclosed and an illustrated guide to Penang has been forwarded under separate cover.

The power of Station ZHJ is **Penang**

13-8-1939

J. H. J. [Signature]
President

THE BRITISH MALAYA BROADCASTING CORPORATION LTD.



SINGAPORE
STRAITS SETTLEMENTS

WE ARE PLEASED TO CONFIRM YOUR RECEPTION
of **ZHJ** - 30.96 metres (9.69 mc/s) on 22nd April 1939.

RADIO

THE FORCES BROAD-
CASTING SERVICE

SEAC



THANK YOU FOR YOUR RECEPTION REPORT
DATED 20/4/39 OF RECEPTION AT
Brooklyn, N.Y. ON 15.22 MCS.
AND WAVELENGTH OF 19.84 METRES.

FURTHER REPORTS AND SUGGESTIONS
ARE WELCOME. PLEASE SEND THEM TO:-

RADIO SEAC, COLOMBO, CEYLON
(See Over)

(Signed) *[Signature]*
Flagging Commander A. E. Smith
Station Director

Whatever the benefits and burdens of Empire, it produced some great DX. From what was then known as the Straits Settlements, BMBC came on the air in late 1938 and was well heard on the west coast until sunset at 0640 EST. It's QSL--a black and orange drawing of a Malayan sunset--was a real beauty. ZHJ in Penang, Malaya, which broadcast on 6060 kHz. with 1 kw., was less often heard. It's QSL is shown at the top left. . . Ceylon's entry into high frequency broadcasting was by way of Britain's Radio SEAC (South East Asia Command). Starting in October 1944 as Forces Broadcasting Station 20J, broadcasting for just a few hours a day, it went to 7.5 kw. In 1945 and 100 kw. in 1946. Its broadcasting goals were entertainment, news, and a link with home, the latter evidenced by a regular Sunday night program beamed to the U.K. Radio SEAC received as many as 8,000 letters a month, mostly record requests, and adjusted the weekly programming based on the number of requests received. There were no full-time announcers--all of the 20 or 30 voices heard over the air belonged to people with other work, like scripting, producing, program compiling, etc. The station was a good verifier. It stayed in business until early 1949, when the facilities were handed over to the new Radio Ceylon. The special U.K. program continued even after the new management took over.

A Committee of the Association of North American Radio Clubs

Listener's Notebook

Bruce MacGibbon
2295 Juniper Avenue
Gresham, OR 97030



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Association of Pan-Asian Radio Clubs (APARC) - This is not an umbrella organisation of South Asian DX Clubs. It's just a listeners' club (that also without any members!) and is a one-man-show only. It's not at all a DX club and issues an irregular bulletin based on a lifted material from here and there. The major DX clubs of South Asia viz. **UDXL** - Universal DX League, **IDXCI** - Indian DX Club International & **UADX** - Union of Asian DXers. are not aware of this organisation.

The main aim of this organisation is to whittle out money from overseas DXers. Every year, they claim to organise an **APARCON**, which invariably turns out to be a hoax! This year again, they're publicising the holding of this meet, which will not take place for sure!!

Giving publicity to such "clandestine" organisations through your media is a disservice to the DX community. Dedicated hobbyists are going to suffer this way! Derecognition of this so-called **APARC** is required from your side immediately to put an end to all such malpractices, which taint the hobby. (Kanwarjit Sandhu, Coordinator, Universal DX League (UDXL), 408 Krishna Nagar, Ludhiana 141 001 India. Tel: +91 161 29 403)

DXER'S DATES - Dec 7 - Cote D' Ivoire
9 - Tanzania, Independence Day
12 - Kenya, Jumhuri Day
16 - Bangladesh (Victory Day)
17 - Bhutan
Jan 1 - Sudan, Independence Day

ALBANIA - Radio Tirana was heard in Japan on 17/10 from 13-1330 on 16230 in Chinese, and included the interval signal, the opening announcement, a news bulletin covering domestic and international news items. Reception was excellent without interference. Tetsuya Kondo of Yokohama, southwest of Tokyo, says that the frequency of 16230 is outside broadcasting band fixed by the ITU. Its parallel frequencies include 10510 (also out of band) and 15110 or 15115. (Excerpts of Radio Japan DX Corner 4/11 transcript via Tetsuya Kondo, Yokohama, Japan)

ALASKA - KNLS Sked from 4/11: 05-06 RR 7365 URS; 06-07 RS 7405 URS; 07-08 RS 7355 URS; 08-09 EG 7365 China; 09-10 RS 7365 URS; 10-11 JP 7365 Japan; 11-12 Mandarin 7365 China; 12-13 RS 6095 URS; 13-14 JP 9815 Japan; 14-15 Mandarin 7355 China; 15-16 EG 7355 EAs; 16-17 Mandarin 7355 China; 17-18 RS 7355 URS; 18-19 EG 7355 EAs; 19-20 RS 9815 URS; 20-21 EG 11700 EAs; 21-22 RS 11700 URS. (WRTN Downlink, Winter 1990)

AUSTRALIA - Radio Australia has changed its mailing address: The new address is: P.O. Box 755, Glen Waverley 3150, Australia. Hiroaki Nakada of Tokyo told Rika Kobayashi, Producer, Presenter of Radio Japan DX Corner that he thinks this change is due to the completion of the station's new radio center. (Excerpt of Radio Japan DX Corner 4/11 transcript thanks to Tetsuya Kondo, Yokohama, Japan)

Radio Australia English Sked 90/4/11-91/2/3: Papua New Guinea, Solomon Islands, Federated States of Micronesia: 17855 0000-08 353/S100; 15465 2030-24 355/S100; 11930 07-08, 11-21 080/B10; 11880 0000-08, 21-24 010/B10; 11805 1430-1830 353/S100; 9760 11-12 355/S100; 9710 11-1230, 1330-1430 353/S100; 7240 11-21 010/B10; 6080 10-1930 005/S100.

Nauru, New Caledonia, Vanuatu, Kiribati, Tuvalu:

21740 0030-0330 063/S100; 17795 0000-08, 2030-24 063/S100; 15530 01-0630 065/S100; 15465 0000-01, 21-24 065/S100; 15160 0130-0600, 08-0930, 20-24 053/S100; 13705 0630-0930, 19-2130 065/S100; 11880 17-20 063/S100; 9580 0830-2000 063/S100; 6060 15-1930 063/S100; 5995 16-20 053/S100.

Cook Islands, Fiji, Tonga, Western Samoa:

21740 0030-0330 063/S100; 17795 0000-06 063/S100; 15465 21-01 065/S100; 15320 04-08, 2030-22 073/S100; 13705 0630-0930, 19-2130 065/S100; 11880 17-20 063/S100; 9580 0830-20 063/S100; 6060 15-1930 063/S100.

New Zealand, Norfolk Island, Kermadec Island:

15240 01-1030 118/S100.

Bangladesh, Bhutan, India, West Malaysia, Nepal, Pakistan, Singapore, Sri Lanka: 21775 01-1330 325/C250, 1330-1430 303/D250; 17630 01-04, 05-08 325/C300, 1430-18 325/C250; 15240 2230-01 310/S100; 15160 11-1330 310/S100; 13745 1530-18 325/C300; 9860 1530-18 325/C100.

Brunei, Cambodia, East & Central Indonesia, Laos, East Malaysia, Myanmar, Thailand, Vietnam:

21525 01-09 340/D250; 17750 0000-04, 05-06 340/D250, 08-10 317/D250; 17715 0830-14 320/S100, 22-24 308/S100; 17630 0000-01, 08-10 347/C300; 15240 2230-01 310/S100; 15160 11-1330 310/S100; 13605 22-01 316/D250; 12000 18-21 347/D250; 9860 13-14 347/C100; 9770 1230-1330, 1430-1530 308/S100.

China, Hong Kong, Taiwan:

21525 01-09 340/D250; 17750 0000-04, 05-06 340/D250; 17715 0830-14 320/S100, 23-24 342/S100.

Japan, Korea, The Philippines:

21825 09-10, 11-1230 003/D250; 21740 22-24; 21525 01-09; 17855 0030-08, 23-24 340/D250; 17750 0000-06 340/D250; 15465 2130-24 355/S100; 11800 1430-1830 355/S100; 9760 10-12 355/S100; 9710 11-1430 355/S100; 6080 10-21 005/S100.

Africa: Southern Try 15160 (08-0930) and 11720 (14-1630); Eastern: Tru 15320 (04-06 and 2030-22) & 11720 (14-1630); Western: Try 17795 (03-06), 15530 (01-04) and 13705 (0630-0930) Middle East: Try 21775 (08-15), 17630 (13-18), 13745 (1530-20) and 9860 (1530-18). UK/Europe: 21775 (07015), 17715 (0830-14), 17630 (13-18), 15240 (08-1030), 15160 (11-13) and 13745 (1530-19).

USA/Canada: Try 21740 (0030-03), 17795 (02-04), 15530 (04-0630), 15160 (04-06), 13705 (0630-0930) and 9580 (0830-15). South America: Northern 15240 (07-1030). (via Keith Synnott, Publicity Officer, Radio Australia)

Radio Australia is now using 9860 kHz replacing 9710 kHz in EG to S.Asia at 1530-18 from their 100 kW Carnarvon transmitter. This channel is also used at 13-1430 in EG and 14-1530 in Cantonese. One of the 250 kW Darwin transmitters is using 21525 in EG via 340 degree beam on Sun-Fri but on Sat with Sporting Special, this channel is using 316 degree beam to SE Asia. (Alok Dasgupta, Calcutta, India)

BRAZIL - 9565.0, 0845, R. Universo, Nice ID as "Ondas medias ZYJ219 1210 kHz, ondas curtads ZYE727 25 metros 11905 kHz, 31 metros 9565 kHz, 49 metros 6060 kHz, Radio Universo, Curitiba, Parana, Brasil." (Takeshi Sejimo via "NTDXC Tune" No. 81, Oct 90)

CANADA - CKZU, Vancouver BC operates 24 hours a day despite what you may read in Passport to World Band Radio and other books! They do not sign off and run the same power all the time.

They have received reports from Australia, Japan and a few in Europe. Signal is mostly directed up the coast of British Columbia.

Most of the time CKZU and CBU(MW) run same programs but on weekdays during evenings, CKZU is fed different program starting at 0405 UTC. At around 0900, CKZU runs the all night rock show "Brave New Waves" picked off the stereo station.

CBU Sked (relayed by CKZU):

Time (UTC)	Sunday:	Mon-Fri	Saturday
1400	Random Hour	Early Edition	Saturday Edition
1500	Transcontinental	Early Edition	Saturday Edition
1600	Music/Food Show	Early Edition	Saturday Edition
1700	Sunday Morning	Morningside	The House
1800	Sunday Morning	Morningside	Basic Black
1900	Sunday Morning	Morningside	Double Exposure(1135)
2000	Gilmours Albums	Almanac	Quirks & Quarks
2100	Sunday Matinee	Almanac	Media File/Inside Track
2200	Cross Country	Gabereau	Radio Show

2400	Air Farce	Afternoon Show	Swinging On A Star
0100	Music Friends	Afternoon Show	Art Beat
0200	Specials	World At 6	Coast to Coast
0300	Open House	As It Happens (0330)	Coast to Coast
0400	Music Alive	Ideas (0405)	Finkleman's 45's
0500	Music Alive	RSVP #1 (0505)	Finkleman's 45's
0600	Arts Week	RSVP #2 (0605)	A Propos
0700	Jazz Beat	Mostly Music (0700)	Hot Air
0800	Jazz Beat	Mostly Music	Sat Night Blues
0900	Nightlines	Brave New Waves	Nightlines

(via Rick Matthew, Vancouver, BC)

6160, 1904, CKZU, Open Carrier on 11/11. May have been off air due to the heavy rains in British Columbia. Heard them again at tune-in 0126 w/music on 12/11. At 0305 on 12/11 both Eric Swedberg, Portland, OR and I heard the Sports News w/an echo from CKZN, St. John's Newfoundland. (First time for either of us to hear St. John's, Newfoundland at this time!)

CHINA - Radio Beijing's Current EG Sked: ECNA: 0000-01 9770(M), 11715(M); 03-04 9690(E), 9770(M), 11715(M); 04-05 11695(F) (Note: F is For France, even though below they show a G for French Guiana which this frequency is from - bmm); 12-13 9665.

WCNA: 0000-01 9770(M), 11715(M); 03-04 9770(M), 11715(M); 04-05 11695(G); 05-06 11840(C); 14-16 7405.

Europe: 20-22 11500, 9920; 21-2130 3985S.

SE Asia: 12-14 1341MW, 9670, 11660.

Asia: 14-16 11815, 15165.

SPacific: 09-11 17710, 11755, 15440

12-13 11600., 15450

13-14 11600

E&SAfr: 16-17 9570, 15130, 15110(M)

17-18 7405, 9570, 11575

20-2130 11715(M), 15110(M)

W&NAfr: 19-20 6955, 9440

20-21 9440

Relay Stations: C - Canada; E - Spain; G - French Guyana (Guiana), M - Mali, S - Switzerland. (via "The Messenger" Nov-Dec 90) Note: Mike Fern, Covina, CA heard Tom Sundstrom's report on Radio Japan DX Corner on 4/11 saying this sked took effect 12/11.

Radio Beijing is starting a new Chinese course in January titled "Day-to-Day Chinese. There is a textbook accompanying the course. It is two volumes, 52 lessons, 820 pages. Text in Pinyin and Chinese characters featuring word-for-word idiomatic translations. Special section called "Say It This Way". Directions on writing Chinese Characters, more than 400 examples included. Both simplified and complex characters used. General review of grammar. Key to exercises. Glossary of 1,800 words and expressions.

Text will be available in December. Price is 13.00 yuan RMB in China or 15.00 US dollars overseas (including postage). Send to Mr. Li Yi, English Department, Radio Beijing, Beijing 100866, People's Republic of China.

Santa Claus Comes to Radio Beijing: For many people in the world, Christmas is a time of rejoicing. In some countries, it is the biggest holiday celebration of the year. How do Christians in China celebrate Christmas? You can find out by tuning in to Radio Beijing's English service on Christmas Day (Dec. 26 for listeners in the South Pacific Region). In the spirit of the season, you will hear Christmas carols along with other songs sung by a children's choir in Beijing on Dec. 23.

Special Mailbag program on January 1: The English Department will begin its holiday greeting delivery service. Radio Beijing will broadcast messages from foreigners living in China who were unable to return home.

(via "The Messenger" Nov-Dec 90)

Guizhou PBS Sked 0150-06 CH-Std, 0850-1605 including at 1030-11 News

(national hookup), 11-1130 News (provincial hook-up), 1430-15 EG language lesson, 2150-0110 including 2230-23 News(national hook-up) 7225, 3260. (WBI 26/10) Note: In Nov's 'LN' Sichuan PBS is also shown using 7225. Note: On 20/9, I observed 7225//7516(either CPBS-1 or CPBS-2 at that time before I noticed the change to CPBS-2 for 7516) w/what I thought was the 'National hook-up news. You can tend to get mixed up with this Daylight Shifting Time. Now CPBS-2 shows the hook-up news at 1400 which would have been 1300 before we went on DST but neither Sichuan PBS nor Guizhou show the hookup news at either of these times, leaving me to think I was listening to CPBS-2. So has anyone heard an idea for either Guizhou or Sichuan on 7225? or have any of our friends in Asia or Australia done any band scanning on CPBS freqs? I'd like to hear from you! I will try and get the identifying song on one of Radio Japan's DX Corner programs, so you can tell when the 'hook-up' news is on. (bmm)

Nei Menggu People's Broadcasting Station was received in Japan on 1/10 from 12-1230 on 6.027 in Mongolian. Reception was fair. Station ID given frequently during the transmission. Satoru Suga and Tetsuya Kondo of the Asian Broadcasting Institute say that, about two years ago, the frequency of 6.027 was used by Alashan People's Broadcasting Station, which is a local station in Inner Mongolia, a northern autonomous region of China. Although its local program has not been received on this frequency in recent months, Mr. Suga and Mr. Kondo are pretty sure that the received transmission of Nei Menggu People's Broadcasting Station is being aired from the transmitter that belongs to Alashan People's Broadcasting Station. And their recent monitoring revealed that this frequency of 6.027 is used between about 1050 and 1300. The frequency of Nei Menggu People's Broadcasting is 6027//7271, 3930. (Excerpts of Radio Japan's DX Corner 4/11 transcript via Tetsuya Kondo, Yokohama, Japan)

4900, 1608, Haixia 2, CH, W&M talk w/Ute QRM on 8/11. (bmm)4940, 1603, Haixia 1, CH music//4840 on 11/8.(bmm) 5050, 1521, Haixia 1, W W/ID//4940, 4840 on 8/11. (bmm) 7385, 0050, xinjiang PBS, M CH//12120 (CPBS-1) listed as News and Press Review on 3/11. (bmm)9290NF, 0016, CPBS-1, CH, W talk//11330 on 7/11. (bmm) 15390, 0440, CPBS-1//12120. 15390 weaker but in the clear on 1/11. (bmm)

ECUADOR - Ron Cline, President of World Radio Missionary Fellowship, wrote that HCJB is having five more 100,000 watt transmitters built by the station's engineers in Elkhart, Indiana. (Marlin A. Field, Hillsdale, MI)

HCJB's NA transmission 0030-05 and later, has moved from 11775 to 9745. 15155 is unchanged. HCJB is using 6205 to Europe after 0700 in place of 15270. (6205 also heard after 0500 in Russian and after 06 in German - Mike Fern, Covina, CA).

HCJB has also introduced an interval signal based on the hymn "Great is Thy Faithfulness", whose words come from a passage in the Book of Lamentations. It is being used as a tuning sigal at 1625 on 21480 and 25950; at 0145 on 11845 and 11925; 0725 on 11925; 1125 on 17890 and 25950; 2355 on 15155 and 25950; 2155 on 9745 and 11900. More transmissions will be added.

HCJB is planning a call-in program in English on January 19, with John Beck and Rich McVicar as co-presenters. The time hasn't been decided yet. (HCJB's 'DX Party Line 3/11 hosted by Rich McVicar via Mike Fern, Covina, CA)

EQUATORIAL GUINEA - 7190, 2213, R. Africa, tuned in to M giving Cupertino address for QSL Cards. Also gave addresses in Ghana and Nigeria. Relig programming then followed and at 2258-2259 gave addresses and freq info into anthem & 2300* on 5/11. (bmm)

FINLAND - Radio Finland Sked: Most Radio Finland transmissions in Finnish and Swedish on 11755, 6120, 963, 558 and 252 kHz are relays of YLE's three Finnish and one Swedish domestic networks. Certain news bulletins are compiled by the Finnish news bureau (STT-FNB).

Broadcasts in English, German, and French start with a news programme five days a week. Five-minute news summaries in Latin are broadcast during some English programmes: at 0740, 0920, 0950 and 1520 on Saturdays; at 1445, 1950 and 2220 on Sundays, and at 0020, 1210 and 1320 gmt on Mondays.

During summer time in Finland, most transmissions will be heard one hour earlier than shown.

0000-0025 EG Eu,Am, 0025-0040 FR Eu,Am 11755, 9645, 963, 558, 252; 0040-0050 Swedish Am 11755, 9645; 0040-03 Finnish Eu(Relay of YL3 domestic service "Night Radio") Eu 963, 558, 252; 0050-0125 Finnish Am 11755, 9645; 03-0430 Finnish Eu,ME,Af 11755, 9730, 6120, 963, 558, 252; 00345-0415 EG Dom 103.7; 0430-0445 RS Eu,ME,Af 11755, 9730, 6120, 963, 558, 252; 0445-0520 Finnish Eu,ME,Af 15185, 11755, 6120, 963, 558, 252; 0520-0525 (Sat,Sun) Finnish, 0520-0530 (Mon-Fri) Swedish, 0530-0545 RS Eu,ME,Af 15185, 11755, 6120; 0545-0615 Finnish Eu,ME,Af 15185, 11755, 9670, 6120; 0618-0625 Finnish, 0625-0640 GM, 0640-0655 Swedish, 0655-07 Finnish, 0730-0740(Sun & to 0745 Tue-Sat & Mon to 0750) EG Eu,ME,Af 11755, 9560, 6120; 0745-0753(Sun) - 08 (Tue-Sat). 0750-08 (Mon) FR, 0755-08(Sun) Finnish Eu,ME,Af 11755, 9650, 6120; 08-0845(Sun-Fri) Finnish, 08-10(Sat) Swedish Eu 6120; 08-10 Finnish Eu,ME,Af 11755; 0845-09(Sun) Finnish, 0845-09(Mon-Sat) Swedish, 09-0930 EG 21550, 17800 As,Au; 0930-0955 EG As,Au 17800usb, 15245; 0955-10 Finnish As,Au 17800usb, 15245; 10-1030 Finnish, 1030-1040 Swedish Eu,ME,Af,As,Au 17800usb, 15245, 11755; 1040-1157 Finnish As,Au 17800usb, 15245; 1040-13 Finnish Eu,ME,Af 11755; 1040-13 Swedish Eu 6120; 11-1130 GM, 1130-1145 FR Eu,ME,Af 15325usb, 15115; 1150-1215(Mon-Fri) EG, 1150-14(Sat,Sun), 1215-13(Mon-Fri), 13-1325 Finnish Am 21550, 15400; 13-15 Finnish Eu,ME,Af 11755, 6120; 1325-14 Finnish Am 21550, 15400; 14-1425 EG, 1425-1435(Sat) EG, 1425-1440(Mon-Fri) Finnish, 1425-1445(Sun) EG, 1435-1445(Sat) Swedish, 1440-1445(Mon-Fri) Swedish Am 21550, 15400; 15-1530 EG, 1530-16 Swedish, 16-1630 Finnish Eu,ME,Af 15185, 11850, 11755, 9640, 6120; 1630-17 Finnish Eu,ME,Af 15185, 11850, 9640, 6120; 1630-17 GM Eu,ME,Af 11755, 6120; 17-1930 Finnish Eu,ME,Af 11755, 9550, 6120; 1930-1955 EG, 1955-20 EG Eu,ME,Af 11755, 9550, 6120; 20-2025 Finnish, 2025-2055 GM, 21-2145 Swedish Eu,ME,Af 11755, 9550, 6120; 2145-22 FR, 22-2225 EG, 2225-23 Finnish, 23-2315 Swedish, 2315-2330 RS Eu,ME,Af,As,Au 11755, 6120. (WBI 9/11). Also thanks to John Carson, Norman, OK for EG sked and he also provides a toll free telephone number for further information about Radio Finland. 1-800-221-9539 or (1-203-688-5540, toll) or write to Radio Finland, P.O.B. 462, Windsor, CT, 06095 USA or Radio Finland, P.O.B 10, 00241 Helsinki.

FRANCE - Radio France External Sked:

RFI operates from transmitter in France and relays in Gabon (Moyabi), Japan (Yamata), French Guiana (Montsinery), China and Cyprus. 0000-0030 FR Eu, As, Am 117710, 11965, 11660, 9805, 9800, 9790, 9715, 7120, 5945, 3965; 0000-01 PT Am 17620, 15200, 11995, 11670; 0030-01 FR Eu,Am 11965, 9800, 9790, 9715, 5945, 3965; 01-02 SP Am 15200, 11995, 11965, 1670, 9800; 01-02 FR Eu,As,Am 15275, 9790, 9715, 5945, 3965; 02-03 FR Eu,Am 11670, 9800, 9790, 9715, 5945, 3965; 03-04 FR Eu,ME,Af,Am 11995, 11705, 11695, 9850, 9800, 9790, 9745, 9550, 7280, 7175, 7135, 6045, 3965; 04-05 AR ME 11695, 9850, 9550; 04-05 FR Eu,ME,Af,Am 11995, 11705, 11670, 9800, 9790, 9745, 7280, 7135, 6045, 5990, 4890, 3965, 1233(MW); 05-06 AR ME 15485, 11695, 9550; 05-0530 FR Eu,ME,Af 17800, 117620, 15155, 15135, 11995, 11705, 9805, 9800, 9790, 9745, 7280, 7135, 6175, 6045, 5990, 4890, 3965; 05-06 SP 11670, 9800; 0530-06 FR (RFI2) Eu,ME,Af 17800, 17620, 15155, 15135, 11995, 11800, 11705, 9790, 7135, 6175, 4890, 3965; 0530-0545 FR (RFI1) Eu 9805, 9745, 7280, 6045, 5990; 0545-06 Polish Eu 9805, 9745, 7280, 6045, 5990; 06-07 AR ME 7290, 7195; 06-0630 FR Eu,ME,Af 21620, 17800, 17705, 17650, 17620, 15315, 15300, 15155, 15135, 11800, 11705, 11800, 11790, 11705, 9805, 9790, 9745, 7280, 7135, 6175, 5990, 3965; 0630-07 FR (RFI 1) Eu 11790, 9805, 9745, 7280, 5990; 0630-07 FR (RFI 2) Eu,ME,Af 21620, 17800, 17705, 17650, 17620, 15315, 15300, 15155, 15135, 11800, 11705, 7135, 6175, 3965; 07-08 FR Eu,ME,Af 25820, 21620, 17850, 17800, 17705, 17650, 17620, 15425, 15315, 15300, 15180, 11800, 11790, 11705, 11700, 11670, 9805, 9790, 7280, 6175, 3965; 08-09 FR Eu,ME,Af 25820, 21620, 21580, 21530, 17850, 17650, 17620, 15425, 15315, 15300, 15180, 11845, 11790, 11670, 9805, 6175, 3965; 09-0930 FR Eu,ME,Af 25820-Su, 21685-Su, 21620, 21580, 17850-Su, 17620, 15425, 15315, 15300, 15180, 11845, 11670, 9805, 6175; 0930-10 CH-Std As 11715; 10-1030 FR Eu,ME,Af 25820, 21685, 21620, 21580, 17850, 17620, 15315, 15300, 15195, 15155, 1515, 11845, 11670, 9805, 6175; 11-1130 FR Eu,ME,Af,As,Au,Am 25820, 21685, 21620, 21580, 21520, 17860, 17850, 17705, 17620, 15435, 15315, 15300, 15285, 15195, 15155, 11890, 11845, 11715, 11670, 9805, 6175; 1130-12 FR Eu,ME,Af,As,Am 25820, 21685, 21645, 21635, 21620, 21580, 21520, 17860, 17850, 17705, 17650, 17620, 15315, 15300, 15215, 15195, 15155, 11845, 11715, 11670, 9805, 6175; 1130-12 SP Am 17860, 15435, 11670;

12-13 CH As 9650; 12-1230 FR Eu,ME,Af,Am 25820, 21765, 21685, 21645, 21635, 21620, 21580, 17860, 17850, 17650, 17620, 15435, 15315, 15300, 15195; 15155, 11845, 11670, 9805, 9790, 6175; 1230-13 EG Eu,Am 21645, 21635, 17650, 15195, 15155, 11670, 9805; 1230-13 FR (RFI 1) Am 21765, 17860, 15435; 1230-13 FR (RFI 2) Eu,ME,Af 25820, 21685, 21620, 21580, 17850, 17620, 15315, 15300, 11845, 9790; 6175; 13-1330 SP Am 21765, 21645, 17860; 13-14 FR Eu,ME,Af,Am 25820, 21765 (fm 1330), 21685, 21645 (fm 1330), 21635, 21620, 21580, 17860 (fm 1330), 17850, 17650, 17620, 15315, 15300, 15195, 15155, 11845, 11670, 9805, 9790, 6175; 14-1430 FR Eu,ME,Af,Am 25820, 21825, 21685, 21635, 21620, 21580, 17850, 17720, 17620, 15315, 15300, 11845, 9805, 6175; 14-1430 SP Am 21645, 17860; 14-15 EG As 21770, 7125; 14-15 RS Eu 15190, 15155, 11670; 1430-15(Sun) Creole Am 21645, 17860; 1430-15 FR Eu,ME,Af,Am 25820, 21825, 21685, 21645 (not Sun), 21635, 21620, 21580, 17860 (not Sun), 17850, 17720, 17620, 15315, 15300, 11845, 9805, 7125, 6175; 1430-1530 VT As 15215; 15-16 FR Eu,ME,Af,As,Am 21770, 21685, 21645, 21635, 21620, 21580, 17860, 17720, 17620, 15300, 15190, 15155, 11845, 6175; 15-16 Serbo-Croat Eu 11670, 9805; 15-16 VT As 1296 MW; 16-17 EG Eu,ME,Af 17850, 17845, 117795, 17620, 15360, 12015, 11705, 6175; 16-17 FR Eu,ME,Af,As,Am 21685, 21645, 21620, 21580, 17720, 17650, 15460, 15365, 15300, 15190, 11845, 11670, 1296 MW; 16-17 Romanian Eu 11995, 9805; 17-18 FR Eu,ME,Af 21685, 21620, 21580, 17795, 17650, 17620, 15460, 15300, 15190, 11995, 11705, 6175, 3965; 17-18 Polish Eu 11670, 9805; 17-18 PT Af 17845, 15530, 12015; 18-19 FR (RFI 1) Eu 11995, 11705, 11670, 9805, 9605; 18-19 FR (RFI 2) Eu,ME,Af 21580, 17845, 17795, 17620, 15530, 15460, 15300, 12025, 11705, 9790, 7160, 6175, 3965; 18-19 GM Eu 7145, 6150, 1278 MW; 19-20 FR Eu,ME,Af 17845, 17620, 15460, 15300, 11995, 11965, 11705, 9790, 7160, 7135, 6175, 6045, 3965; 19-20 RS Eu 11670, 9805, 9605; 20-21 FR Eu,ME,Af 17620, 15300, 11995, 11965, 11705, 9830, 9790, 9605, 7160, 6175, 6045, 5995, 3965; 21-22 FR Eu,ME,Af 17620, 11965, 11705, 11670, 9830, 9790, 9605, 7160, 6175, 6045, 5995, 3965; 21-22 Romanian Eu 9805, 7135; 22-23 FR Eu,Af,Am 15435, 15190, 11670, 9800, 9790, 9715, 3965; 22-23 Polish Eu 9805, 7135, 6045; 22-23 PT Am 17620, 15200, 11995, 11965; 22-23 SP Eu 6040, 945 MW; 23-24 FR Eu,As,Am 17710, 11660, 9805, 9790, 9715, 7120, 5945, 3965; 23-24 SP Am 17620, 15200, 11995, 11965, 11670, 9800. (WBI 9/11)

GABON - 15475, 1854, Afrique #1, EG, W w/news t/1858 back into FR. Announcer seemed rushed to deliver the news on 30/10. (bmm)

GERMANY - Deutsche Welle on 15410 (Antigua). Heard live broadcast in GM of reunification ceremony from Berlin at 2300 on 2/10. Also DW on 13610 01-0150 on 3/10 in EG on former Radio Berlin Int'l freq, possibly w/Leipzig transmitter. 13610 also heard on other DW transmissions later in the evening. This freq was not announced but during the program the announcer mentioned that DW would be transmitting via some RHI's facilities. Before and after the broadcast heard an announcement, "Heir ist...Deutsche Welle...Uberdesender...en Bundesrepublik Deutschland," that sounded as if it may have been inserted from the transmitter site. Other familiar RBI freqs heard the night before on 2/10 such as 6080 and 11890 were not heard on 3/10. (Karl Forth, Chicago, IL)

Since 3rd October Radio Berlin Int'l has ceased their broadcast following the merger with Deutsche Welle. All the RBI transmitters are now owned and operated by Deutsche Welle in Cologne. To South Asia DW's sked via the erstwhile RBI transmitters is as follows: GM 06-08 on 11970, 15240, 21540; 11-14 21540. EG: 09-0950 21465, 21540, 16-1650 15240. Urdu & Hindi: 1430-16 15240. Dari: 08-0850 21465, 21540. All these transmissions are in parallel to the existing Deutsche Welle frequencies. (Alok Dasgupta, Calcutta, India.)

Joe Hanlon, NJ tells me that he hears Radio Deutsche Welle at 11-1150 in JP and 12-1230 in CH on 21465.

HUNGARY The History of Radio Budapest -

Radio Broadcasting in Hungary began on December 1, 1925, but although that was the beginning of regular broadcasting, experimental work had been going on previously for quite some time, with the transmission of music and news bulletins. Hungary was the first country to use the Telephonograph in 1894. It was invented by Tivadar Puskas, who later collaborated with Thomas Alva Edison on the improvement of the telephone. Puskas helped to put the first telephone exchange in the world into operation in Boston. Tivadar Puskas' brother, Ferenc, the representative of the Edison Society in

Hungary, set up a similar telephone exchange in Budapest in 1881. After his return from the States, Tivadar Puskas put the Telephonograph into operation, which was used for the transmission of news to subscribers on a local telephone-like line. Music programmes were transmitted from the fourth floor of an apartment house at 22 Rakoczi Street, which later became the first studio of Radio Budapest. Wireless programmes began in 1923, when the engineers of the Hungarian Experimental Post Institute first began radio telephonic experiments at the MTI - Hungarian Telegraphic Service - located in the heart of Budapest. In 1924, the experimental institute began the reception of foreign broadcasts with a one tube regenerative set. Meanwhile the radio amateur movement had begun to develop, though it was first occupied with getting the relevant specialized literature and the reception of foreign stations. The first Hungarian radio amateurs built their receivers at home, based on receiver circuit diagrams that appeared in foreign magazines. In 1925 the construction of PKI 2 kilowatt transmitter began on Csepel Island in Budapest. When it first began to put regular programmes over the air, Radio Budapest had 15,000 subscribers. The majority of them were radio enthusiasts who had built their own receivers and even made the parts themselves. Later, many of them became specialists of the Hungarian radio industry. In one year's time the number of subscribers had risen to 50,000.

In 1927 a new, 3 kilowatt Telefunken transmitter was built at Csepel and at the same time the daily broadcasts were lengthened from 4 to 10 hours. That same year the Post Office began building a 20 kilowatt transmitter at Lakihegy, also on Csepel Island, a spot chosen for its geographical location for broadcasting all over the country. The Telefunken transmitter was assembled under the direction of a technician from the Telefunken firm, by the staff of the Lakihegy Post Office. The new transmitter began operating on April 7, 1928. It was of three stages: a cooling system of 2.5 kw producing the base frequency, a modulator stage and a final stage, which functioned with a water cooling tube of 20 kw. The antenna was built on two 150 metre high steel towers. The building of another transmitter, which the press at that time described as "The Giant of Lakihegy", began in 1933 with a transmitter of 120 kilowatts. It was entirely manufactured and constructed by the Hungarian Standard Radio and Electric Company. This new transmitter began operating in December 1933, and was officially named Budapest One. It had seven stages: a modified Heising system modulation with 120 kilowatt tubes, driven into a push, pull through system of stages to the final amplifier stage. In its proportions and method, the new antenna Blow-Knox system was far ahead of countries, which were richer and more developed than Hungary, and at that time it was the highest steel construction on earth, reaching a height of 314 metres. The 480 ton weight of the tower was supported against the wind by a 9 centimetre thick porcelain wall insulator.

The antenna was very good from electrical and broadcasting points of view, because its height surpassed half the transmitted wavelengths. This ensured transmission without fading to the entire country day and night. The 20 kilowatt equipment was modernized and began transmitting the programmes of Radio Budapest Two. The first experimental broadcasts on shortwave started at Szekesfehervar in the beginning of the 1930s. Regular overseas short wave transmissions started on December 23, 1934 in Hungarian and English with two 5 kilowatt output transmitters. The output was later increased to 20 kilowatt. The shortwave transmissions of Radio Budapest have a history of more than 50 years...

Unfortunately, during the Second World War, the equipment of Radio Budapest was completely destroyed. The withdrawing Nazi troops not only blew up the installations, but in many cases dismantled the equipment, so that by the end of the war the country was without any radio transmitter whatsoever. The Post Office staff carried out heroic work in reconstructing the transmitters. One part of the equipment, which had been carried off, was found on the Western frontier of the country, and Radio Budapest was first heard again on May 1, 1945. By the end of 1948, the Hungarian Standard Factory had built the new 135 kilowatt equipment, which has been functioning without interruption ever since. The 314 metre antenna tower was also rebuilt and Budapest Two was also reconstructed at its new location at Szolnok, also with a capacity of 135 kilowatts. In April 1950 a new 100 kilowatt transmitter began experimental broadcasts on short wave, and soon the broadcasts became regular.

The domestic service of Radio Budapest transmits three programmes: the

first programme - Radio Kossuth - is aired from a new transmitter at Solt, on medium wave with a 2,000 kw output, as well as on regional FM transmitters. The second programme - Radio Petofi - is aired by ten medium wave and regional FM stations, and the third programme, Radio Bartok is aired only on FM and VHF. The FM transmitters air programmes in stereo, and occasionally in mono. The first programme tends to specialize in issues of national interest, round table discussions, talk features, drama and -- in general -- classical music programmes. The second broadcasts "light programmes" and it transmits nonstop 24 hours a day, while the third programme specializes in high quality stereo classical, jazz and pop music. Radio Budapest has link-ups with international programmes, participates in the work of the UNESCO radio section, and has regular exchanges with the East and West, based on agreements concluded with these countries.

Radio Budapest transmits its domestic and overseas programmes from 26 modern studios, installed mainly with Hungarian made equipment. At present, Radio Budapest transmits daily on 6 SW transmitters in the 49, 41, 31, 25, 19, 16 and 13 metre bands, in six languages: Hungarian, English, German, Italian, Spanish and Turkish. The foreign language broadcasts are transmitted from three transmitters: two transmitters at Szekesfehervar each with 20 kilowatt output, dipole antennas, two transmitters, 100 kilowatts each at Diosd, put into operation in 1983, with omnidirectional and rotary log periodical antennas, and two transmitters at Jaszbereny, with 250 kilowatt output, directed dipole antennas.

The target areas of our broadcasts are: Europe, North, Central and South America. Radio Budapest has excellent relations with its listeners. Radio Budapest was the third station in the world to start broadcasting DX programmes in English. Today, in addition to DX programmes in English we transmit German, Italian and Spanish language DX programmes too, twice a week. These DX programmes have helped to establish long-lasting, good relations with national and international DX organizations and clubs over the past 25 years, and have promoted the development of the international DX-ing movement.

On the initiative of our DX-ers, our international organization, the Radio Budapest Short Wave Club was set up in 1965, which now has about 12,000 members on all continents acting as official monitors of Radio Budapest and maintaining permanent contact with our station.

On 1980 radio licence fees were dropped in Hungary. According to our estimations, there are more than five and a half million receivers in operation in the country with 10 million population. (via John Carson, Norman, OK)

INDIA - Since the Middle East Crisis began, All India radio has stepped up its Urdu Service to the Gulf Area which is normally broadcast to Pakistan. AIR's Urdu service can now be heard at 0015-0430 on 702MW, 1071MW, 6155 kHz and from 0130 9610 kHz; 0830-1130 on 702MW, 1071MW, 9675, 11770 kHz and at 1430-1930 on 702MW, 4860, 6045 kHz and from 16 on 1071 kHz.

Also due to the extensive use of INSAT 1D for newsfeeders to regional station, AIR is using only 2 or 3 transmitters in parallel for each language news service instead of 4 or 5 transmitters in parallel. (Alok Dasgupta, Calcutta, India)

Radio Kashmir - Leh is now using the following sked: 0224-0400 3330, 1053MW (replacing 4760 kHz); 0630-0840 6000, 1053 (New broadcast); 1125-1630 4760, 1053 (replacing 3330). The news in English is being relayed from AIR, Delhi at 0240-0250, 0830-0840 & 1530-1545 UTC. Otherwise programs are in Ladakhi, Urdu and Hindi language. (Kanwarjit Sandhu, Universal DX League, Ludhiana, India) (See Clandestine Broadcasting)

5050.0, 1425-1435, AIR, Aizawal, EG/Vern. At 1430 ID "This is All India Radio", then news. Fair on 19/8. (Nobuyoshi Aoi in 'NTDXC Tune' No. 81 Oct 90)

INDONESIA - The Voice of Indonesia was heard in Japan in October from 03-04 on 11750. Reception was poor due to a weak signal. The language used was Arabic. The frequency of 11750 was once used for the broadcast between 0800 and 1300 as well, but now it's only used for the one at 0300. The broadcast before 0300 is supposed to be in Indonesian, but this broadcast could not be confirmed in Japan as of the middle of October. (Yoshiaki Hayashi of Urawa, north of Tokyo via Radio Japan's DX Corner 28/10 transcript via Tetsuya Kondo, Yokohama, Japan)

KOREA - Radio Korea has six daily transmissions in the Russian language: 1230-1315 7275, 11740; 16-1645 7275, 9515, 15575; 1730-1815 9870; 19-1945 1170MW, 5975, 7275, 9575, 15575; 22-2245 7275, 9640, 15375; 23-2345 15575. (Radio Korea's 'Shortwave Feedback' program 4/11 via Mike Fern, Covina, CA)

DPR KOREA - Pyongyang spy-numbers transmitters on 4771, 5870 heard *14-1430 with classical music and traffic in Korean 5-3 format (which uses the Korean words for 'hundreds' and 'tens') on 6/11. Also look out for them at 1000 & 1200, especially on the 8th and 28th of each month. (Mike Fern, Covina, CA) 11700NF, *22-2249, Radio Pyongyang, KR into EG at 2300 w/EG//13650 on 5/11. (bmm)

NETHERLANDS - Dutch government refuses funds for joint Radio Netherlands-BBC relay in Thailand. Radio Netherlands, Hilversum, in English 1630 gmt 1 Nov 90. Text of station announcement: The Dutch government has refused to grant additional funds to Radio Netherlands to build a relay station in Thailand. The relay station, which was to have been built in conjunction with the BBC, was intended to improve Radio Netherlands' coverage of the Far East, to broadcast to the People's Republic of China, and promote Dutch culture in the region. However, the Dutch government feels that these goals do not warrant the investment involved. The relay station would cost 17 million dollars to build, and operating costs would amount to three and a half million dollars annually. The management of Radio Netherlands has expressed disappointment over the government's decision. Radio Netherlands plans to meet the Minister of Culture, Hedy d'Ancona, and members of parliament to try to convince the government to change its mind. (WBI 9/11)

NEW ZEALAND - 15485, 1838, Radio New Zealand Int'l, Nice clear signal here on 5/11 now with R. Moscow having left the frequency. (bmm)

NORTHERN MARIANAS - KHBI, Christian Science Monitor Station is using the following schedule for South Asia: 15610 16-18, 13625 10-16, 11580 16-18, and 9530 14-16. (Alok Dasgupta, Calcutta, India)

PAPUA NEW GUINEA - Thanks to Gordon Darling, Boroko, Papua New Guinea we have the upgrade schedule for PNG stations from 2kW to 10kW for the last Kundu service transmitters & I've added their operation times according to 'Passport to World Band Radio' 1991.

Nov 12-20	3395 Radio Eastern Highlands, Goroka, 07-13, 19-22.
Nov 21-29	3275 Radio Southern Highlands, Mendi, 07-14, 20-22
Dec 1-8	3315 Radio Manus, Lorengau, 07-13-19-22
Dec 9-18	3905 Radio New Ireland, Kavieng, 07-13, 20-22
Dec 19-27	3235 Radio West New Britain, Kimbe, 0730-13, 19-22
Dec 29-Jan 8	3345 Radio Northern, Popondetta, 07-13, 19-22

These dates are subject to change. Gordon will be involved in the compliance testing for at least the first two and will verify any reports sent direct to him (with return postage!) for engineering tests. His address is: P.O. Box 3474, Boroko, N.C.D., Papua New Guinea.

PERU - 4860, 0107, Radio La Hora, SP, M talk (weak). At 0107 W w/Radio La Hora ID. Heard mention of Cusco. At 0108 vocal, not anthem then off air on 10/11. (bmm)

Via HCBJ's 'DX Party Line', Rich McVicar has been hearing the following Peruvians (thanks to Mike Fern, Covina, CA for forwarding this information):

4915 - Radio Cora, Lima. Extremely strong in Quito around 0400-0500. Wants reception reports to: Radio Cora, Centro Civico de Lima, Oficina #5, Primer nivel (first level), Lima 1, Peru. The director is Senor Juan Ramirez Lazo. Rich McVicar says it may be the easiest Peruvian to log at the moment. (Mike Fern, Covina, CA agrees and says he's not getting consistent reception of Radio Union on 6117.)

4922 - R. Ondas del Titicaca, Puno heard from 0352-0535; pop music, no announcements at all; fair sigs; recorded ID, woman over music, barely audible in Quito.

4935 - R. Tropical, Tarapoto heard in Quito around 0045 with sports round table sponsored by Inka Cola.

PHILIPPINES - Radio Veritas Winter Sked: (via WRTH Downlink, Winter 1990 w/changes to me via Alok Dasgupta, Calcutta, India) 0000-0030 Karen 11795,

15225; 0000-0030 Sinhala 11705, 15305; 0030-0055 Kachin 11795, 15225; 0030-01 Tamil 11705, 15305; 01-0130 Bengali 15350NF(ex 15400 via Alok Dasgupta, ibid), 11740; 01-0125 Telugu 11705, 15305; 0130-0155 Hindi 11740, 15350NF(ex 15400 via Alok Dasgupta, ibid); 0130-0225 VT 11705, 15245; 02-0225 Urdu 15400, 21560; 10-1025 Bengali 15205; 10-1055 Mandarin 9520, 15240; 10-1025 VT 9555, 11790; 1030-1125 RS 15110, 15200, 17800; 1105-1125 VT 9555, 11790; 1130-12 Myanmar 9555, 15200; 1130-12 Mandarin 9520, 15240; 12-1225 Indonesian 9520, 15265; 12-1230 Karen 9555, 15200; 1230-1255 JP 9520, 15245; 1230-1255 Kachin 9555, 15200; 13-1325 KR 9555, 11915; 13-1330 Telugu 9520, 15285; 1330-14 Sinhala; 1330-1355 Hindi 9555, 11885; 14-1430 Bengali 9555, 11885; 14-1425 Tamil 9520; 1430-1455 Urdu 9555, 11885; 1430-15 VT 9520, 11790; 15-1555 Mandarin 9615, 1190; 21-2125 KR 7240, 9710; 21-2255a 7160, 11790; 2230-2255 Mandarin 7240, 9560; 23-2325 Indonesian 11705, 15250; 23-2325 JP 15120, 17840; 2330-2355 VT 19560, 11705; 2330-24 Myanmar 9560, 11795. Note: Further clarification on changes advised by Alok Dasgupta in letter to me dated 27/10. He is hearing RVA in Bengali and Hindi at 01-0155 on 15350NF w/no mention of 11740 shown above, and Urdu at 02-0230 on 21560 w/no mention of 15400. (bmm)

RWANDA - Radio Rwanda, Kigali sked: 0255-0410 Kinyarwanda including news in Swahili at 0330-0345, 0410-06 FR, 06-1110 Kinyarwanda including News headlines at 1028-1030 in Kinyarwanda/FR, 11-1130 FR, 1130-1330 Kinyarwanda, 1330-15 Swahili, 15-1930 Kinyarwanda w/News headlines at 1628-1630 in Kinyarwanda/FR & 18-1820 News in FR, 1930-2100 FR w/signoff announcements 2055-21 in Kinyarwanda/FR/Swahili. (WBI 26/10)

SEYCHELLES - FEBA Radio Winter Sked: Days: 1=Mon, 2=Tues, 3=Wed, 4=Thurs, 5=Fri, 6=Sat, 7=Sun. Also note changes via Alok Dasgupta, Calcutta, India at bottom of sked. (bmm)

Amharic	Days	Area	KHz (Beam)
0330-0400	167	Ethiopia	15250(280)
1631-1701	34567	Ethiopia	11860(322)
1731-1801	1234567	Ethiopia	11860(322)

Arabic	Days	Area	KHz (Beam)
0345-0430	12346	ME	15325(340)
0345-0445	7	ME	15325(340)
0345-0500	5	ME	15325(340)
1100-1130	7	ME	15275(340)
1100-1145	123456	ME	15275(340)
1903-1948	1236	ME	11915(340)
1903-2003	457	ME	11915(340)

Bengali	Days	Area	KHz (Beam)
0000-0030	1234567	SAs	7215(040)

Bhojpuri	Days	Area	KHz (Beam)
1243-1258	5	SAs	15325(040)

Borana	Days	Area	KHz (Beam)
0330-0400	23	Ethiopia	15250(280)

Chhatisghari	Days	Area	KHz (Beam)
1243-1258	6	SAs	15325(040)

Dari	Days	Area	KHz (Beam)
0245-03	6	SAs	11930(028) 15205(352)
0245-0300	45	SAs	11930(028) 15205(352)

English	Days	Area	KHz (Beam)
1500-1538	7	SAs	11865(040)
1500-1555	2345	SAs	11865(040)
1500-1610	6	SAs	11865(040)
1500-1600	3456	SAs	9590(040)

Farsi

0300-0330	1234567	Iran	15210 (352)
1800-1830	1234567	Iran	15210 (352)
French			
0915-0930	12345	EAF	15430 (208)
0915-1000	67	EAF	15430 (208)
1836-1851	234	WAF	9565 (280)
1836-1901	1567	WAF	9565 (280)
Hindi			
0030-0100	1234567	SAs	7215 (040)
1400-1458	1234567	SAs	11865 (040)
			15325 (040)
Kannada			
1330-1400	56	SAs	11865 (052)
1345-1400	12347	SAs	11865 (052)
Konkani			
1330-1345	4	SAs	11865 (052)
Malagasy			
1000-1015	67	MDG	15430 (208)
1629-1659	1234567	MDG	11930 (208)
Malayalam			
1315-1330	456	SAs	11865 (052)
1315-1345	1237	SAs	11865 (052)
Mundari			
1243-1258	2	SAs	15325 (040)
Nagpuria			
1243-1258	4	SAs	15325 (040)
Nepali			
	1234567	Nepal	15325 (040)
Oriya			
1243-1258	17	SAs	15325 (040)
Oromo			
0330-0400	45	Ethiopia	15325 (280)
0400-0430	67	Ethiopia	15250 (280)
1701-1731	1234567	Ethiopia	11860 (322)
Portuguese			
1830-1900	1234567	EAF	9640 (232)
Punjabi			
0213-0228	123	Pakistan	9730 (028)
			11815 (028)
1345-1400	3456	India	15325 (028)
Pushto			
0230-0245	12345	SAs	11930 (028)
Sindhi			
0213-0228	456	SAs	11865 (028)
Sinhala			
1428-1443	123456	SAs	9590 (040)
1428-1458	7	SAs	9590 (040)
Somali			
1710-1731	1234567	Somalia	9770 (322)
			11820 (280)
Swahili			
0313-0358	1234567	EAF	11810 (280)

1614-1644	4	Eaf	11820(280)
1614-1659	1234567	Eaf	11820(280)
Tamil			
0130-0200	1234567	SAs	7215(040)
1300-1330	1234	SAs	15205(052)
1300-1345	567	SAs	15205(052)
Telegu			
0100-0130	1234567	SAs	7215(040)
Tibetan			
1209-1224	1234567	SAs	15325(040)
Tigriyna			
1801-1831	1234567	Ethiopia	11860(322)
Turkish			
0515-0530	1234567	Turkey	15325(340)
Urdu			
0130-0155	4567	Pakistan	9770(028) 11815(028)
0158-0213	123456	Pakistan	9730(028) 11815(028)
0158-0228	7	Pakistan	9730(028) 11815(028)
0230-0245	7	Pakistan	11930(028) 15205(028)
1345-1400	127	India	15325(028)
Yao			
1730-1745	1234567	Eaf	15325(028)

(via WRTH Downlink, Winter 1990)

FEBA Radio is now using 9770 kHz and 11965(pub sked above shows 11815) in Urdu to Pakistan at 0130-0230. Also a new service in Urdu to India can be heard at 1345-14 on 15325 on Fri-Tues. Also Nepali at 1228-1243 and Nagpuriya, Oriya etc at 1243-1258 can now be heard on 15205 replacing 15325. (Alok Dasgupta, Calcutta, India)

SOUTH AFRICA - Radio RSA Winter Sked: 04-07 FR 15120, 15220, 15365, 17710, 17745, 17815; 04-05 EG 7270, 11900, 11920; 05-06 PT 5960, 7230, 11900, 11920, 11925; 09-10(Sat,Sun) Tsonga 9585; 11-12 EG 9555, 11805, 11900, 17835; 14-17 Swahili 11885, 15365; 15-18 EG 7230, 15210, 15270; 17-18 EG 17790, 17835; 15-18 Lozi 7210, 11900; 16-18 Chichewa 5960; 18-19 PT 7230; 18-20 FR 15365, 17745, 17765; 19-21 PT 9570, 11950, 15220, 15230. (WRTH Downlink, Winter 1990)

SPAIN - 15395NF, 1913, Spanish Foreign Radio, EG, News w/Panorama at 1914//15375 best on 5/11. (bmm)

SUDAN - National Unity radio back on air. Monitoring research 19-23 Oct 90. National Unity Radio (NUR), broadcasting from Khartoum, has been heard again since 19th October 1990 at 14-1530 gmt on 9535 kHz with programmes in Arabic, Sudanese, colloquial Arabic and English. It had not been heard since the coup of 30th June 1989. Between 1986 and 1989, NUR announced that its programmes were prepared by the Moral Guidance Branch of the General Command of the Sudanese people's armed forces.

An announcement in English at the start of the broadcast on 21st October said: "this is the National Unity Radio broadcasting from Khartoum...Welcome to our service in English. It is great having you back with us." A similar announcement was made in colloquial Arabic, also giving the radio's city of origin as Khartoum. The "mainstream" Sudanese radio continues to announce its city of origin as Omdurman.

Shortwave frequency useage by the "mainstream" Sudanese radio continues to be erratic. The radio has been heard at various times during 1990 on the following frequencies: 9435, 9535, 9540, 9550, 11632, 11635 and 11710

kHz. The short-wave relay of Radio Juba at 14-15, first heard in Feb 90, is no longer observed. The operation of Sudanese radio's main medium-wave transmitter on 1296 kHz also continues to be irregular. (WBI 26/10)

SWEDEN - Radio Sweden is using 9765 at 01-02 in EG and Swedish to S.Asia, possibly to avoid FEBA Radio in Seychelles, but still announces 9770. (Alok Dasgupta, Calcutta, India.)

UGANDA - Radio transmitters to double power. Radio Uganda, Kampala, in English 1700 gmt 20 Oct 90. Excerpts from report: The Minister of Information and Broadcasting, Mr Kintu Musoke said every effort is being made to improve radio transmission by doubling the capacity input from 50 kW to 100 kW, adding that as soon as funds become available, the problem will become a talk of the past. (WBI 26/10)

UNITED ARAB EMIRATES - 11985, 1948, Abu Dhabi, Group singing. At 1954 M w/ID then into ME music//9780NF. At 2200 9780 dropped and replaced by 9600//11985 on 9/11. (bmm)

UNITED STATES - Radio Free New York, New on World Wide Christian Radio on 7520. Debut broadcast on 26/10. Heard at tune-in on 26/10 w/rock music and giving this address: 1748 70th Street, Brooklyn, New York 11204. (bmm)

U.S.S.R. - Radio Moscow aired both Spanish and Russian versions of a program produced by HCJB in June. The 15-minute children's program carried a clear gospel message.

HCJB learned about the opportunity to cooperate with Radio Moscow through INFPA, an Ecuadorian social service agency that concentrates on meeting children's needs. "At first we thought Radio Moscow wanted us to carry their entire 'radio marathon' on HCJB," Broadcasting Director Ken Volkhardt says. "But in a telephone conversation with Radio Moscow, we discovered they just wanted to air one of our programs."

The annual radio marathon is held in conjunction with the International Day of the Child. The 24-hour event was designed to raise money for disadvantaged children in the Soviet Union--especially those who suffered birth defects as a result of the Chernobyl nuclear power plant disaster. Last year the radio marathon raised about \$10 million..

"We did not produce a fund-raising program," Volkhardt explains. We sent Radio Moscow a 15-minute program that had a children's theme featuring interviews and greetings from Ecuadorian children. HCJB missionary, Chema Reinoso, preached a sermon on God's view of children that was specifically directed to Soviet children.

"It's interesting that most of the interviews and greetings were edited out, while the heavier spiritual part of the program was kept in!" The Spanish program was broadcast to South America, while the Russian program was broadcast across the Soviet Union at least four times during the marathon.

HCJB was one of several stations that participated in the marathon, including VOA, BBC, Radio Peking, Deutschewelle, Radio Netherlands, and Radio Stockholm. (HCJB's "Around the World", Autumn, 1990 via Marlin A. Field, Hillsdale, MI)

Viacheslav Shupikov, Kansk, USSR sent the following information:

Radio Yakutsk 21-1630 on 7265, 4800
Radio Irkutsk 22-01 on 6090
Radio Chita 20-16 on 4860
Radio Ufa 02-16 on 4485
Radio Tyumen 0000-22 on 4895
Radio Krasnoyarsk 22-18 on 5290
Radio Magadan 15-16 on 5940

Kazakh Radio - Valery Ostroverkh, Karaganda, Kazakh SSR tells me that on its 'DX Program' they mentioned that the station plans to have an English service in the future, but nothing is decided yet, so no further details are available. Latvian Radio - A news bulletin was broadcast in English on 3rd November from 1831-1841 gmt within Latvian Radio's 1830-19 gmt Latvian broadcast for Europe on 5935 kHz. The news in English was described as "experimental". The news in English may also have been carried in a

transmission on 1143 kHz at 1730-18 gmt, of which the 1830-19 broadcast is normally a repeat. (WBI 9/11) Turkmen Radio First Program, Ashkhabad, sked: 01-2003 4825 w/freq change at 0515 7145(Moscow), 4825; 1200 Freq change 7145(Moscow), 4825; 1600 Freq change 17635(Moscow), 4825. Note: 4895 (inactive) - Turkmen Radio Second Pgm 13-1700. (WBI 26/10) Radio Vilnius monitored at *2300 on 4/11 in EG on 17720, 17690, 15180, 9750, and 7400.

Radio Moscow NA Service sked to East Coast as heard on 4/5/11 - 23-24 on 9870; 23-02 on 17605; 23-03 on 17665; 23-04 on 6045, 7115, 7150, 9685, 9765, 12050, 15425, 17700; 24-02 on 21480; 24-04 on 6000; 01-04 on 7310; 03-04 on 11710, 12010.

12050 is buried under Cairo early in the evening. 15425 is probably Soviet Far East, along with the 16 meter transmitters; 6000 and 6045 are probably Cuba. (Mike Fern, Covina, CA)

Radio Moscow NA Service sked to West Coast: 04-08 on 17720, 17780?, 15180, 12050, 12010, 11710, 9895; 0530-08 on 9550, 7270; 0630-08 on 5905, 7175, 7340, 9795, 9825.

17720 weak, 17780 inaudible; probably in Europe. 9895, 7270, 9825, 9795, 7340, 7170, 5905 almost certainly in the Soviet Far East. 5905 has to be Petropavlovsk or Magadan. 7260 also heard with the World Service with good signals at 0700. 7492SSB feeder not heard so far. 7270 possibly Petropavlovsk. (Mike Fern, ibid)

3995, 1400, Probably Khabarovsk, heard with fair signals. Ten-note chime from one of the Moscow home services before time ticks on the hour.

9905SSB, Soviet Far East home service heard here as early as 0430. A second HS SSB feeder on 11850 heard at 0530. (Mike Fern, ibid)

VIETNAM - 7416, 1445, Voice of Vietnam, CH (not VT), now covered by high-speed teletype. Only heard this once on 24 or 25/10. Listed in PWBR as V. of Vietnam 12-16. (Mike Fern, Covina, CA). Mike, I heard them in CH signing off at 1526* on 5/11. (bmm) 12018vNF, 1800, Voice of Vietnam, EG/9840. 12018 w/het heard best in LSB ex 15009v on 30/10. This is their traditional winter change, so check this freq for all their EG broadcasts. (bmm) *

CLANDESTINE BROADCASTING - The revised schedules for two South Korean clandestine stations originally given on the 21/10 Radio Japan DX Corner, and corrected on the 28/10 program. (via Mike Fern, Covina, CA) The correct schedules are:

Voice of the People: 03-04 and 06-07 6600 (06-07 is new); 09-10 3912 (formerly on 6600); 15-16 & 20-21 3912.

Radio Echo of Hope: 02-05, 1430-1730 6348 (Note: When Rika Kobayashi read the Echo of Hope item she said that "the 0530 transmission is a new one." JST is nine hours ahead of UTC, so 1430 JST would be 0530 UTC. - Mike Fern, ibid); 09-12, 14-17 3985. Mike, Rika Kobayashi tells me your observation is correct! (bmm)

6605, 0705, (Presumed Korean Clandestine, maybe 'Voice of the People') W KR, Band music at 0706-0707*. No ID heard on 31/10. (bmm)

"Hamara Kashmir" (meaning 'Our Kashmir') is a new clandestine station operating from Pakistan Occupied Kashmir (POK) using the transmitters of 'Azad Kashmir Radio'. The programmes are hostile towards Indian Government and are encouraging militant outfits to carry on their destructive policies. The broadcasts are in Kashmiri/Urdu on Fridays only at 0230 & 1430 UTC. The exact freqs are not known yet! (Kanwarjit Sandhu, Universal DX League, Ludiana, India.)

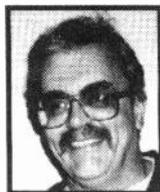
Voice of the Libyan People - 9500NF, 2200, AR, M talk w/race car jammer underneath on 12/11. (bmm)

PIRATE - KMUD - San Raphael, CA. Eric Swedberg, Portland, Oregon received a letter dated 30/10 from the FCC, Field Operations Bureau, 424 Custom House, 555 Battery St, San Francisco, CA 94111 that KMUD was busted. Eric thinks from the handwriting on the envelope maybe it was addressed by the Pirate Operator, because how else would the FCC have received his name unless they also confiscated a list of addresses of people that QSL'd him.

UNIDENTIFIED - 3265 announcements in FR, with FR popular music and possibly a low-pressure French version of African high-life, heard between 0415 and 0445 on 20/24/10. If this is a gray-line signal, it is between 10 and 20 degrees east longitude, probably north or west of Angola. Signal is almost as strong as Windhoek on 3290, and just as erratic; might require a Boulder A index. (Mike Fern, Covina, CA) 73's, *Bruce*

QSL Reports

Sam Barto
47 Prospect Place
Bristol, CT 06010



ALASKA: KNLS 11715 f/d cd. w/ personal ltr. in 33 ds. for ms.(Kurrasch-NY). f/d cd. in 25 ds. w/ schedule and a station pennant. (Tucci-MA). **TO:**

ALBANIA: Radio Tirana 9500 n/d cd. in 65 ds. w/ schedule and pin for 2 IRCs.(Tucci-MA). 10509.3 and 14320 p/d cd. w/ pins in 2½ mo.(Barto-CT). **Radio TV Shqiptar** 16230 and 10510 p/d cd. w/ schedule in 4 mo.(Barto) 5057 via **Gjirokaster** f/d cd. w/ pin in 4 mo. w/ schedule.(Barto-CT).

ANDAMAN ISLANDS: AIR Port Blair 4760

* f/d ltr. for \$1.00. Station says Signed: it checks all reports for accuracy! v/s Y. bajaj, Station Engineer.(Hardest-Okinaawa).

ARMENIA: Radio Moscow 17570 via **Yerevan** f/d "Kosmos Hotel" cd. in 2 mo. (Barto). 15480 same cd. in 90 ds.(Butcher-MA).21740 f/d "Friendship House" cd. in 57 ds.(Butcher). 11675 f/d sheet w/ schedule in 44 ds.

ASIATIC RUSSIA: Radio Moscow 11950 via **Khabarovsk** f/d cd. (Humenyk-ONT) in 3 mo.(Barto). 12050 f/d "Kosmos Hotel" cd. w/ 60year Radio Moscow book in 71 ds.(Butcher). 12035 via **Novosibirsk** f/d "Peoples

* Friendship Fountain" cd. in 56 ds.(Butcher). **Radio-stantsiya Tikhy Okean** 7490 (USB) via **Komsom-**

olks-na-Amur f/d cd. w/ site in 72 ds.(Kusalik-ALB). 9505 and 9625 via **Irkutsk** f/d "Arbat Square" cd. w/ site in 72 ds.

* (Kusalik-ALB). **Radiostantsiya Rod-**
ina 5940 and 9600 via **Maqadan** f/d cd. in 72 ds.(Kusalik). 15455 via **Petropavlovsk** f/d cd.

of "Kosmos Hotel" in 72 ds.(Kusalik). 15180 via **Komsom-**
* **olks-na-Amur** f/d cd. in 72 ds.(Kusalik-ALB). **Radio Maqadan/**
Mayak BCB 5940 and 9600 f/d cd. in 72 ds.(Kusalik-ALB).

AUSTRALIA: Radio Australia 9580 n/d cd. in 42 ds. w/ schedule for 2 IRCs.

* (Tucci-MA). **4RPH** 1620 p/d ltr in 3 mo. w/ station info. sheet. v/s Brendan Taggart, Station Manager.(Barto-CT).

AUSTRIA: Radio Austria International 13720 f/d ltr. in 66 ds. w/ schedule for 1 IRC. (Tucci). 13730 f/d ltr. in 2 mo.(Steinberg-KY). f/d computer ltr. which states that reports will only be answered once a month.(Kurrasch-NY). same in 25 ds. for 2 IRCs. Also rcvcd. several stickers in GM and in EG.(Carson-OK). 9875 same in 57 ds. w/ new schedule.(Levison-PA). 9870 f/d cd. in 3 wks.(Backlund). 21490 f/d ltr. w/ schedule in 73 ds. (Humenyk-ONT). 9870, 9875 and 13690 same computer form ltr. in 87 ds. for 1 IRC.(Brouillette-IL).

AZERBAIJAN: Radio Moscow 21680 via **Baku** f/d cd. in 2 mo. w/ schedule.(Barto-CT).

BELGIUM: BRT 21815 f/d cd. in 1 mo. w/ schedule for 1 IRC. (Tucci-MA). 9925 f/d cd. in 1 mo.(Backlund). f/d "Madonna & Child" cd. w/ schedule in 47 ds.(Kurrasch-NY).

BONAIRE: Radio Netherlands 15560 f/d "Satellite" cd. in 36 ds. w/ schedule and a personal note.(Kurrasch-NY).

BFBS FORCES RADIO

Richard O'Angelo

also via John Carson

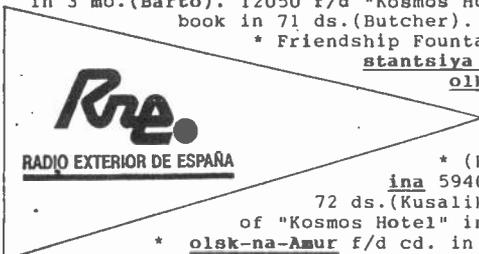
We thank you for your reception report on

20th August 1990

and confirm the details are correct.

We hope you will continue to enjoy our transmission.

I. R. MARTIN
ENGINEER MANAGER
BFBS/SSVC LONDON



BFBS FORCES RADIO

BFBS LONDON
Bridge House
North Wharf Road
London W2 1LA
Tel: 071 724 1234
Fax: 071 706 1582

The Radio Division
of



BONAIRE: Trans World Radio 15345 f/d cd. w/ schedule in 15 ds. for 1 IRC.(Backlund).

BRASIL: Radio Educadora Bahia 9540 p/d paper cd. in 26 ds. for \$1.00.(Paszkievicz-WI). RadioBras 11745 n/d ltr. in 78 ds. w/ schedule and sticker for 2 IRCs.(Tucci-MA).

BULGARIA: Radio Sofia 15330 f/d cd. in 42 ds. w/ schedule for 2 IRCs.(Tucci-MA).

RADIO CLUBE DE CABO VERDE

-PRAIA-

CR4AA

EMISSOR DE ONDA CURTA

POTENCIA: 5 kilowatts

EMITE DIARIAMENTE

FREQUENCIA: 3900 Kcp

via Darling

DAS 2000 AS 2300 GMT
2100 1300

VERIFICATION SIGNERS: Radio Continental 9115 Julio Valles. Kenya Broadcasting Corporation 4934 Augustine Kenyanjier Gochui. Radio Emisoras Minería 4985 Jose Carlos Gomez. Addr: C.C. 247, Oruro -or- S. Felipe 493, Oruro. Radio Rural 4765 Valdir Soares Serra, Director General. Addr: Rua Floriano Peixoto 632, Santarem 68000. Radio Nacional Amazonas 15445 Luis Antonio Aises. Radio Rio Amazonas 4870 Casilla 818, El Puyo. AMR Forli 7230 Lina Lega, Secretaria. FRON Ibadan 6050 M.L. Oyewusi. Radio Huancabamba 6290 Cesar Colunche, Director General. Addr: Calle Union 610, Huancabamba.

BYELORUSSIA: Radio Minsk 7120 and 7210 f/d cd. in 3 mo.(Barto-CT). Radio * Grodno 7140 and 5945 via Radio Minsk f/d cd. in 3 mo.(Barto-CT).

CANADA: Radio Canada International 15325 f/d "DIY" cd.(Carson). 9755 in 15 ds. w/ same cd.(Brouillette-IL). Radio Japan 6120 via Sackville stamped cd. in 22 ds.(Backlund). CFRX 6070 f/d "Logo" cd. in 2 mo. v/s Dave Simon.(Steinberg-KY). f/d cd. in 70 ds.(Kurrasch-NY). cd. w/ schedule in 86 ds. after a telephone call to the station.(Peake-IA). Radio Korea 11715 via Sackville f/d cd. in 36 ds. w/ schedule.(Tucci).

CANADA (Pirate): Radio

* Beaver 7415 f/d drawing of Beaver "Showing You Our Beaver" in 28 ds. for a rpt. sent to ONT address. v/s Bucky Beaver.(Zeller-OH)...If you can't laugh, then you're taking the hobby too seriously!

CHINA, PEOPLES REP. OF:

Radio Beijing 15100 f/d cd. in 2 mo. (Barto). 8660 and 15600 via Beijing and 17680 via Kunming f/d cd. in 9 wks.(Barto). 7375, 9290, 9765 and 4883

Dear Barto:

We are glad to have your reception report on the program of transmitted on KMZ at 11.1) hours-11 30 hours G.M.T. dated 25.2.1987. Your further reception reports on our broadcasts are welcome.

女士
Barto 先生:

您的来信已收到。

您在1987年2月25日 11时17分收到

11时30分(世界标准时间) 广播

收听到的 节目确是我台广播的节目。

欢迎您经常收听我台的节目。

Central People's
Broadcasting Station,
China

中国 中央人民广播电台

via Beijing, 9945 via Xian and 9965 via Baoding f/d cd. in 6 wks. w/ schedule and stickers.(Barto). 11600 via Baoding and 9535 via Xian f/d cd. in 2½ mo.(Barto). 11855 via Jinhua f/d cd. in 3 mo.(Barto). 17855 via Shijichuang f/d cd. in 3 mo.(Barto). f/d cd. in 24 ds. w/ brochure.(Tucci-MA). 7350 via Kunming and 7335 and 7800 via Xian f/d cd. in 4 mo.(Barto-CT). 15155 and 6825 via Beijing and 11650 via Xian f/d cd. w/ stickers in 7 wks. (Barto). 9440 and 7470 via Baoding and 6955 via Beijing f/d cd. in 6 wks. (Barto). Fujian PBS 2340 p/d Chinese stamps cd. in 1 mo. all in CH!(Hardester-Okinawa). Fukien Local Station 2800, 3200 and 3400 f/d cd. in 4 mo. (Barto). Voice of the Strait 4045, 4840, 6765, 5240 and 5900 f/d cd. in 7 wks.(Barto). Xinjiang PBS 6098 via Urumqi f/d cd. in 2 mo.(Barto-CT). CPBS 3815 via Beijing f/d cd. in 5 wks. (Barto). 2470 via Hangzhou f/d cd. in 4 mo.(Barto-CT).



CHINA, PEOPLES REP. OF: Radio Beijing 3909.6 via **Kunming** f/d cd. in 3 mo. (Barto-CT). **Yunnan Peoples Broadcasting Station Educational Service** 5960 f/d cd. in 5 wks. (Barto-CT).

CLANDESTINE (USA): La Voz de la Fundacion 9495 via **WHRI** f/d cd. in 34 ds. w/ sticker. v/s Amoskos Perez. Addr: The Cuban-American National Foundation, Box 440069, Miami, FL 33144. (MacHarg)

COOK ISLANDS: Radio Cook Islands 11760 f/d ltr. in 1 mo. after 5 f/up rpts. for an 89 reception. v/s Tauraki Rongo, Radio Announcer. I sent the station ms. and a \$13.00 book on Philadelphia. It was worth it! (Kohlbrener-PA).

COSTA RICA: TIFC 5055 f/d cd. w/ schedule in 27 ds. for 3 IRCs. Also rcvd. a very large sticker. v/s Juan Jacinto Ochoa F. (Kurrasch-NY). **Radio for Peace International** 7375 f/d "Dove and Olive Branch" cd. w/ schedule and a personal ltr. in 185 ds. for 2 IRCs. v/s James Latham. (Carson-OK). **AWR/Radio Lira** 9725 f/d "Shield" cd. in 5 mo. for \$1.00.

CUBA: Radio Moscow 11840 via **Habana** f/d cd. in 1 mo. (Klinck-NY). (O'Neill). 6000 f/d "Friendship House" cd. in 2½ mo. (Barto). **Radio Habana** 11820 f/d cd. in 3 mo. (Backlund).

CZECHOSLOVAKIA: Radio Praha International 7345 and 11680 f/d "Rajec Nad Svitavou Chateau" cd. in 38 ds. v/s Karel Statney. (Carson-OK). same cd. in 45 and 48 ds. w/ schedule. (Peake-IA). 7345 f/d "Wallachian Museum" cd. in 38 ds. (Cichorek). f/d "Beskyoy Mountains" cd. w/ schedule in 42 ds. (Cichorek). f/d "National Theater" cd. in 43 ds. (MacHarg). f/d cd. in 69 ds. (Humenyk). f/d cd. in 50 ds. (Steinberg-KY). f/d cd. in 34 ds. for 1 IRC. (Carson-OK). 11680 f/d "Kozel Chateau" cd. in 31 ds. (Kurrasch-NY).



ONDA MÉDIA
ZYI 636

Richard D'Angelo
ONDA TROPICAL
ZYG 384

RÁDIO EDUCADORA DE BRAGANÇA

"A VOZ CATÓLICA DA FAMÍLIA PAROQUIAL"

Avenida Barão de Hirs Branco FONE: 826-1295
88600 - BRAGANÇA - PARÁ

VERIFICATION SIGNERS: All India Radio - Port Blair 4760 Y. Bajaj, Station Engineer.

Radio Continental 9115 J. Valles. Addr: Rivadavia 835, Buenos Aires 1643. **Radio Araquaiá** 4905 Maria Mazzarello Monterio Araujo. **British Forces Broadcasting Station** 7125 (Cyprus) M.E. Towley, Engineering Manager....17695 (UK) Richard Astbury, Station Manager.....via **PLAY-IX** and **Dario Monferini**.

Mike Hardester in NC sends along the following addresses: **PBS Fujian** People's Broadcasting Station Fujian, Fuzhou, Fujian, PRC. **KSDA Adventist World Radio - Asia**, P.O. Box 7500, Agat, Guam 96928.

DOMINICAN REPUBLIC: Radio Amanecer International 6025 f/d ltrs. one in EG and the other in SP in 5 wks. for a SP rpt. v/s Ing. Socrates Dominguez who mentions the receptions of Neyra, Jensen and Potter. (Barto-CT).

ECUADOR: HCJB 25950 (USB) f/d "Ruco Pichincha" cd. in 26 ds. for 2 IRCs. v/s Glen Volkbrandt. (Carson) f/d "Mountains of Ecuador" cd. in 28 ds. for ms. (Brouillette-IL). 17815, 25950 and 15155 f/d "The Ilinizas Mountain Range from the Pan-Am Highway" cd. in 26 ds. for 2 IRCs. (Carson-OK).

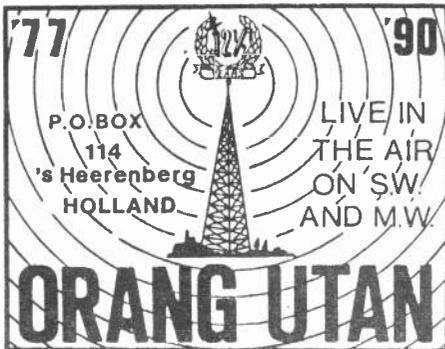
EGYPT: Radio Cairo 9475 f/d cd. in 125 ds. w/ form ltr., sticker & schedule. (MacHarg-CR).

ENGLAND: British Forces Broadcasting Station 13745 p/d "Gulf" cd. in 35 ds. for 2 IRCs. v/s Richard Astbury, Station Manager. (Carson-OK).

郵便證書
POST CARD
广播收听证

親愛的朋友
茲証明您十月廿日的
收听报告,频率4760千周,
符合本台节目。欢迎继续告
诉我们收听情况。
via Rich D'Angelo
云南人民广播电台
一九八〇年八月一日
P.O. Box 711111 The Address in Reading, Pennsylvania, USA

DEAR FRIEND
WE THANK YOU FOR YOUR RECEPTION
REPORT ON 4760 KHZ ON 10/22/80
WHICH CORRESPONDS WITH OUR STATION
LOG. FUTURE REPORTS ABOUT YOUR
RECEPTION OF OUR STATION ARE ALWAYS
WELCOME.
OUR BEST WISHES TO YOU!
SINGLYLY YOURS
YUNNAN PEOPLE'S
BROADCASTING STATION





Tahiti



R.F.O. votre Radio

FREQUENCIES	
740 kHz	25 Kw
8125 kHz	4 Kw
8750 kHz	4 Kw
11825 kHz	25 Kw
16170 kHz	25 Kw

NOTE: Royal Herqlee of Grand Forks, ND reports that he uses an R-2000 receiver and a longwire antenna. Last month was his first report to the QSL Column. Keep sending your reports in...Sam. **Bill Kurrasch** says that he just heard Radio Sweden and the announcer stated that the Somalia Broadcasting Service has dealt with the person who initiated the \$50.00 QSL Policy. Thank you S.B.S. **John O'Neill** (KNY2-AAS) is also reporting to the Column for the first time. Nice to hear from you. **Jerry Klinck** is starting to send out many more reports. He says that he hates the "empty mailbox blues" in the summer...Sam.

ENGLAND: British Forces Broadcasting Station 13745, 9640 and 7125 p/d cd. in 36 ds. w/ station brochure. v/s I.R. Martin, Engineer-Manager. (D'Angelo-PA). 13745 same p/d cd. in 33 ds. A collector's item!(MacHard). 17695 via **Davertry** n/d cd. in 6 wks.(Orcutt-NY).

EURO PIRATE: Radio Orang-Utan 6205.9 f/d cd. w/ yellow and white stickers and info. sheet in 3 mo. (Barto-CT).

EUROPEAN RUSSIA: Radio Moscow 9685 via **Armavir** f/d "Friendship House" cd. in 3 mo.(Barto). 17625 f/d cd. in 62 ds.(Butcher-MA). 21725 f/d cd. in 52 ds. v/s Mrs. Elena Osipova.(Butcher-MA). 12060, 17890 and 21875 via **Moscow** f/d cds. in 65 ds. w/ stickers.(Levison-PA). 15330 and 11775 via **Kursk** f/d "Bolshoi Theatre" cd. w/ site in 72 ds. It took 3 f/up rpts. to land this one.(Kusalik-ALB).

NOTE: To all my friends in the Philadelphia area. My daughter swims for UPENN. I am usually at all of their home meets against the other Ivy League swim teams. If you would like to chat for a while, get a copy of their schedule, and more than likely, I'll be at the pool.....Sam.

SOLOMON ISLANDS BROADCASTING CORPORATION

QSL CONFIRMATION. Date: 3/16/90

This confirms your reception of:
 9345 kHz: on 16170 from 17702 (G.M.T.)
 5020 kHz: on _____ from _____ (G.M.T.)
 1030 kHz: on _____ from _____ (G.M.T.)
 _____ on _____ from _____ (G.M.T.)

The transmission had an actual power of _____ kilowatts. Thank you for your report, and we wish you good DX'ing.
 S.I.B.C.

P.O. Box 654, HONIARA, S.I.

SIBC/20

To Bill Kurrasch
5507 Lincoln Blvd.
Dorchester, Mass 01919
USA

FRANCE: RFI 17620 f/d "Sidewalk Cafe" cd. w/ sked. in 41 ds. (Kurrasch). 21635 f/d cd. w/ sticker in 63 ds.(Tucci-MA).

FRENCH GUYANE: RFI 9800 via **Montsiner** f/d cd. in 2 mo.(Steinberg-KY).

GERMAN DEMOCRATIC REP: RBJ 11890 via **Nauen** f/d "RBI DX Club" cd. w/ schedule and a 1991 calendar(!) in 99 ds.(D'Angelo-PA). f/d "Berlin and Marx Forum" cd.

in 39 ds. for 2 IRCs.(Carson). same in 39 ds. w/ 3 stickers.(Carson). 13760 f/d "Berlin TV Tower" cd. in 39 ds.(Carson). f/d "Oder City" cd. in 39 ds.(Carson). 11785 10 p/d cds. for 10 rpts. in 51 ds.(Peake-IA). 15240 f/d "Magdeburg City" cd. w/ stickers in 39 ds.(Carson). 13610 f/d cd. in 19 ds.(Kurrasch). 9730 f/d "Discone" cd. in 19 ds.(Kurrasch) 15240 f/d "Ocean Cliffs" cd. in 21 ds.(Kurrasch-NY). 13610 f/d "Q-Code" cd. in 19 ds.(Kurrasch). f/d "Broadcast House" cd. stamped "LAST QSL" and dated 10/18. (Kurrasch). f/d cd. in 75 ds. w/ schedule.(Tucci-MA).

GERMANY, FEDERAL REP. OP: Bayerischer Rundfunk 6085 f/d "Mountain Top"

cd. w/ radio station magazine in 25 ds. for 3 IRCs. (Kurrasch). **Radio Liberty** 7245 via **Lampertheim** p/d "Map" cd. in 9 ds. (Hosmer-MI). **Sender Freies Berlin** 6190 via **Bremen** f/d cd. in 13 ds. for \$1.00.(returned) (Hosmer). f/d cd. in 16 ds. w/ stickers and station info.(D'Angelo)

GHANA: Ghana Broadcasting Corporation 3366 f/d cd. in 66 ds. v/s E. Rev Gath, Director. (Humenyk-ONT).

Dear Mr. O'Neill.

We are glad to verify your reception report on our program transmitted on 15100 kHz at 00:00 hours- 01:00 hours G.M.T. dated Sept. 21, 1990

Your further reception reports on our broadcasts are welcome.

Glad to know that you enjoyed our coverage of the 11th Asian Games. It was a great success.

Enclosed is a set of post cards with the pictures of the stadiums and gymnasiums for the Games. Hope you enjoy them.

Sincerely yours,
 English Department
 Radio Beijing

Since 66,
 Living



—A BCL One Only
 Please provide us
 all reports of stations
 A KLASIKAT' PAPER

The powerful voice of Free Radio; a
 fresh breeze blows across the wasteland
 of American media.

QSL to _____

DATE _____ FREQ _____

TIME _____ SITE _____

GREECE: Voice of Greece 9420 f/d "Aegean Sea" cd. w/ schedule in 85 ds. (Kurrasch-NY).

GRENADA: Radio Free Grenada 15045 f/d prepared * cd. in 3 wks. after several f/up rpt. for an 82 reception. v/s Allen Palmer, Engineer. This was for ms. (Kohlbrener-PA).

GUAM: AWR-ASIA KSDA 13720 f/d cd. w/ peel off decal on reverse in 1 mo. for ms. Also rcvd. a small felt pennant. (Hardester-OKINAWA).

HOLLAND: Radio Nederland 6020 via **Plevo** f/d cd. in 30 ds. (Kurrasch). 13700 f/d "Satellite Pic of Europe" cd. w/ schedule in 42 ds. (Kurrasch).

HUNGARY: Radio Budapest 9835 f/d cd. in 7 wks. w/ schedule. (Humenyk-ONT).

ICELAND: INBS 13855 f/d "Thingvellir" cd. in 26 ds. for 2 IRCs. for a 5 day report! (Cox-OR).

ISRAEL: Kol Israel 11605 f/d cd. in 43 ds. w/ schedule. (MacHarg). 15640 f/d cd. w/ schedule in 1 mo. (Cox-OR).

ITALY: Voice of Europe 7541 p/d "Logo" cd. in 7 * wks. for \$1.00. (Kohlbrener-PA).

JAPAN: NHK Osaka 3377.5 f/d prepared cd. in 32 ds. for a f/up rpt. and 1 * IRC. (Palmersheim-MN).

JAVA: RRI Cirebon 2390 2 prepared cds. were signed and stamped in 24 ds. * after a f/up rpt. in IN. v/s Ahmad Sugiarto, Kepala Ceksi Siaram.

JORDAN: Radio Jordan 9560 f/d cd. in 29 ds. after a f/up (Kusalik). rpt. Old skeds were rcvd. (Weber-OH).

KAREO-FINNISH SSR: Mayak One 4780 via **Petrozavodsk** f/d "Kosmos Hotel" cd. * w/ site in 75 ds. after a f/up rpt. Europe is now complete for me! (Kusalik-ONT). Also rcvd. a second QSL for a 1980 reception. on a different cd. (Kusalik-ONT).



No sacrifice is too great to bring you the best in news and entertainment from the LAND OF OS.

QSL to _____ TIME _____

DATE _____ FREQ _____

SITE _____

KIRGHIZ SSR: Radio Moscow 15535 via **Frunze** f/d "Bolshoi Theatre" cd. in 72 ds. (Kusalik-ONT).

KOREA, REPUBLIC OF: Radio Korea 9750 f/d "Grandfather in Traditional Dress and Hat" cd. in 42 ds. for 2 IRCs. Stickers rcvd. (Carson-OK). 7275 f/d "EG Service Staff" cd. in 28 ds. w/ schedule. (Cox-OR).

LAOS: Lao National Radio 7383.6 via **Savanna-khet** f/d cd. w/ schedule in 4 mo. (Barto-CT).

LITHUANIA: Radio Vilnius 11770 f/d "Map/Logo" cd. in 6 mo. w/ schedule, sticker and a personal note. v/s Edvinas Butkus. (Cichorek).

LUXEMBOURG: Radio Luxembourg 6090 f/d cd. w/ stickers in 1 mo. (Steinberg-KY). 15350 f/d "Tower" cd. w/ 6 stickers in 15 ds. for 1 IRC. (Cox-OR).

MALI REPUBLIC: Radio Beijing 15100 via **Bamako** p/d cd. in 15 ds. w/ butterfly papercut. (Kremer-IN).

MEXICO: XEOI Radio Mil 6010 f/d prepared cd. in 28 ds. for a SP r $\frac{1}{2}$ t. and \$1.00. v/s Jaime

Pontones. (Palmersheim-MN).

MOLUCCA ISLANDS: RRI Ternate 3345 f/d prepared cd. in 2 mo. for an IN * rpt. and ms. v/s Abubakar Alhadar. (Hardester-OKI).

NEWFOUNDLAND: CKZN 6160 f/d "Map" folder cd. in 19 ds. for ms. (Klinck).

NIGER: La Voix du Sahel 5020 f/d ltr. w/ 1988 schedule and a personal request for NASWA FR rpt. forms w/ ms. in 2 mo. v/s Yacouba Alwal. (Cox-OR).

NORWAY: Radio Norway International 9615 f/d cd. w/ decal and schedule in 47 ds. (Fern-CA).

OMAN: Radio Oman 17735 f/d form ltr. in 6 $\frac{1}{2}$ mo. for ms. and a f/up rpt. v/s A. Al-Sawaf. (Palmersheim-MN).



The mobile unit of the VOICE of OS. Getting the news; getting it straight; getting it as it happens.

QSL to _____ DATE _____

TIME _____ FREQ _____ SITE _____

ESTIMADO AMIGO: Richard A. D'Angelo
2216 Burkley
Wyomissing, PA 19610
EE. UU. de A. (U.S.A.)

Le enviamos saludos a usted, esperamos que se encuentre bien en su trabajo cotidiano.

El objeto de la presente es agradeciéndole desde ya su fina atención y colaboración en sentido de sintonizar, nuestro medio de comunicación en su País. Le advertimos que sigue escuchando y que sigue enviando reporte con nosotros, para que sigamos teniendo relaciones entre sí mismos.

Me suscribo de usted muy agradecido en el campo que desempeña.-


Jonny Xitip Alvarado
Director de la Radio
La Voz de Atlixlán.-

Coord. of Foreign Language Services. (Peake-IA). IBRA Radio 11700 via Sines f/d "Reaching Asia" cd. w/ schedule and pennant in 2 mo. (Barto).
RIO MUNI: Voice of the Faith 7189 via Radio Africa p/d ltr. in 44 ds. v/s Rev. J.W. Ponds, Pastor. (D'Angelo-PA).

ROMANIA: Radio Romania International 11940 f/d "Folk Costume of Southern Romania" in 168 ds. for 4 IRCs. Also rcvd. sked. w/ stamps. (Carson-OK). 9570 f/d "Folk Costumes of Eastern Romania" in 168 ds. w/ a personal ltr. and stamps. (Carson-OK).

KNLS, the New Life Station, confirms your reception report.
Date: June 28, 1990
Time: 09.00-09.10 UTC
Freq: 11820 kHz
The KNLS transmitter RF output was 100 kw beamed on a 21.7 Db gain antenna toward USSR
at an azimuth of 285 degrees from Anchor Point.
KNLS, on Alaska's Kenai peninsula near the village of Homer, broadcasts the good news of Christ to the Western Pacific, Asia and Europe. via Jon Craig

SEYCHELLES: BBC Indian Ocean Relay Station 6005 p/d ltr. and a "DIY" cd. in 1 mo. direct from the site for ms. v/s Steve Welch for P.J. Loveday, Manager. (Orcutt-NY).

SOLOMONS: SIBC 5020 f/d cd. in 42 ds. for a taped rpt. and 2 IRCs. (Wallace-CT).

SOUTH AFRICA: Radio Orion 3320 p/d "SABC" cd. in 97 ds. for 2 IRCs. (Kurrasch-NY).

SPANISH MOROCCO: Radio Medi-1 9575 f/d cd. in 11 mo. for a FR rpt. and ms. Also rcvd. a FR form ltr. and station sticker. v/s C. Thuret. (Hosmer-MI).

SRI LANKA: Deutsche Welle n/d cd. w/ ltr. explaining their QSL policy in 2 mo. (Zobro-MI).

SWITZERLAND: Swiss Radio International 9885 f/d "Town Hall and Cathedral" cd. in 17 ds. w/ schedule. (Craig-TX).

SYRIA: Radio Damascus 17710 f/d "Map/Logo" cd. in 477 ds. after 3 f/up * rpts. Never been so thrilled to get a QSL! (Kremer-IN).

TAHITI: RFO 15170 f/d cd. in 82 ds. for 2 IRCs. Rcvd. station sticker, map of the Island region and transmitter info. v/s M. Soulimovsky, Station Manager. (Leibowitz-NY).

TAIWAN: Voice of Free China 5950 f/d cd. w/ cloth pennant, 4 stickers and lots of other goodies.
US Addr: VOFC, Box 192793, S.F., CA 94119-2793. (MacHarg-CR).



OMAN: BBC Relay - Masirah Island 15310 f/d form ltr. direct from the site after 2 wasted rpts. to London. v/s Paddy O'Reilly (could be Irish!) (Michalenka).

PARAGUAY: Radio Nacional de Paraguay 9735 m/d ltr. w/ brochure in 25 ds. for a SP rpt. v/s Augusto Ocampos Caballero, Director General. (Cox-OR).

PERU: Radio San Martin 4810 p/d ltr. in 3 mo. for a SP rpt. v/s Jose Roberto Chong, Gerente General. (Barto-CT).

PHILIPPINES: Radio Veritas Asia 15325 f/d cd. w/ schedule in 106 ds. (Church-VT).

PORTUGAL: Radio Portugal International 9705 f/d "Ship" cd. in 1 mo. (Steinberg-KY). 9600 p/d cd. w/ schedule, stickers and a personal ltr. in 341 ds. v/s Carminda Diasda Silva,

Mr. Gordon Darling

Confirming your reception report of this station.

Freq: 11760 kHz:.....

Date: 13. 8. 81.....

Time: 0800-0905 GMT.....

Pwr: 500 w.

Many thanks and best wishes,
NOBORA E. TANCAABA
CHIEF TECHNICIAN.

COOK ISLANDS BROADCASTING AND NEWSPAPER CORPORATION

Tahiti



R.F.O. votre Radio

cd. in 11 ds. for SASE. v/s Randi Steele.(D'Angelo-PA). **Radio Marti** 9525 f/d cd. w/ ltr. in 52 ds. v/s Mike Pallone.(Steinberg-KY). f/d cd. in 5 wks.(Backlund). **WSHB** 17555 f/d "DIY" cd. in 45 ds. v/s Calvin Giles (Kremer-IN). 21780 f/d cd. in 3 wks. for ms. (Backlund). **WHRI** 13760 f/d cd. in 7 wks.(Backlund). **VOA Bethany** 17800 f/d "White House" cd. in 49 ds. w/ schedule and poster.(MacHarg-CR). **KGBI** 15280 f/d cd. in 1 mo. v/s Jesus C. Elizondo. (Steinberg-KY). **WCSN** 9850 f/d cd. in 3 wks. for ms. (Backlund). **Voice of Free China** 5950 via **WYPR** f/d cd. in 26 ds.(Levison). 15215 f/d cd. in 28 ds. w/ schedule and sticker. (Levison-PA).

TOGO: Radio TV Togolaise 5047 f/d "Map/Logo" cd. in 53 ds. for a FR rpt. and 2 IRCs.
UKRAINIAN SSR: Radio Moscow (Brouillette) 17670 via **Simferopol** f/d "Moscow River" cd. in 90 ds.(Butcher-MA). 17695 f/d cd. in 70 ds.(Kremer-IN). 12030 via **Vinnitsa** f/d cd. in 56 ds.(Butcher). f/d "Kosmos Hotel" cd. w/ personal ltr. in 1 mo.(Cox).
USA: Voice of the OAS 9565 f/d cd. in 7 ds. * for ms. w/ schedule.(Weber-OH). **Radio New York International** 7520 via **WWCR** p/d "Logo"

We have pleasure in verifying your report on our transmission.
 Date 26 NOV 1990 Time 22.12 UTC
 Frequency 22.12 KHz Channel _____
 We hope you will tune regularly to our Station and that you will send us more reports from time to time.

05/1990 Date Alison Director General

CYPRUS BROADCASTING CORPORATION
 P.O.Box 4824 - NICOSIA - CYPRUS
 Tel: (+357) 2 422 231 - Telex: 2333 CYBC CY
 Telefax: 2 314 050



Mr.
Mark Humeryk
26 Crestridge
HTS Road
WESTON ONTARIO
M9P 1A4
CANADA

USSR: Radio Station Peace and Progress 9580 f/d cd. in 99 ds. w/ schedule rpt. forms.(Kurrasch-NY).
VATICAN: Radio Vatican 11750 f/d "New 500 kw Rotating Antenna" cd. in 8 wks. for 2 IRCs. Schedule rcvd.(Carson-OK).
VIETNAM: Voice of Vietnam 9840 f/d standard white cd. in 66 ds. w/ pennant and schedule.(Butcher-MA).
WEST BERLIN: RIAS 6005 p/d "Building/Studio" cd. in 50 ds. Also rcvd. a great many goodies such as cards, schedule and stickers.(Cichorek).

YUGOSLAVIA: Radio Jugoslavia 11735 f/d "Dunav Fest" cd. in 45 ds.(Steinberg).

That will about end it for this month. If you didn't see your report, it will be in next months QSL Column.

I actually had more reports this month than I usually receive. Next months Column will, more than likely, be in the small print in order to accomodate all of the reports.

RADIO ORANG UTAN INTERNATIONAL
 HELLO DEAR SAMMEL, Barto
 Hello dear friend, thank you for your reception report !!!
 You have heard us on 24.12 kHz on the 24.12.89

IT'S A BOY OF 25 YEARS OLD AND THOUGHT
 HANDED, THAT'S BECAUSE IN THE BUSY WITH
 THE TRANSACTIONS I AM HAVING... I AM BROADCASTING
 SINCE OCT. 2000 AND WILL TALK FOR ME ONE
 INTERNATIONAL TRANSACTIONS, THEREFROM WE RECEIVED
 MANY DELIGHTFUL REPORTS FROM 16 EUROPEAN
 COUNTRIES FROM GERMANY AND THE USA &

OLD HEERENBERG IS A VILLAGER
 # 11, 11A, 11B, 11C

PLEASE CHECK WITH OUR LISTED FOR THREE
 TIMES IN THE QSL THE LAST TIME WE
 ON THE 20th OF DECEMBER 1989.
 FROM THE LAST TIME WE WERE TO GO
 THE DUTCH
 WE ARE HAPPY TO HELP YOU
 FROM YOU READ FOR YOUR LETTER AND BYE BYE

**GOLDEN TUNES
 OUT OF THE COPPER
 LONGWIRE**

PO BOX 114 - HEERENBERG HOLLAND

Two Pacific
 Jack's Sun
 1989

FREDDIE



NASWA Scoreboard

Jerry Lineback
6361 Shore Drive
Douglasville, GA 30135



Jerry A. Lineback, Editor
6361 Shore Dr.
Douglasville, Georgia 30135

December, 1990

Welcome to SCOREBOARD for December. This month's SPOTLIGHT is on Europe. Remember, C/H = Countries Heard and C/V = Countries Verified. By popular request, this SCOREBOARD is arranged in descending order by countries verified. I hope that those who do not QSL much, including myself, or who do not report QSLs are not too offended. We solicit comments, but intend to return to countries heard order for next time. Which prompts us to remind all that the next deadline is February 15 for the March SCOREBOARD. SPOTLIGHT then will be on North America. Please update all totals once a year to remain on SCOREBOARD. Please share your DXing progress with us. Country counts are according to NASWA Country List.

Name, State	Total		Europe		Best European QSL
	C/H	C/V	C/H	C/V	
Gordon Darling, P/NG	235	229	44	44	V of the Leek
Sam Barto, CT	234	229			
Edward Kusalik, Alb.	231	227	40	40	EMR 6235
James Young, CA	238	225	41	38	R. Dublin
Marlin Field, MI	225	222	40	39	EMR
Tom Gavaras, MN	219	216	40	39	Petrozavdosk
Harold Cones, VA	223	214	37	37	R. Renasiencia
John Sgrulletta, NY	213	213	38	38	R. Dublin Int.
Gerry Bishop, FL	224	210	40	39	WMR Scotland
Al Miller, OH	217	209	38	38	Andorra
William Flynn, CA	224	208	39	38	R. Dublin Int.
Roland Schulze, Germany	224	206	39	39	R. Andorra 6230
Terry Palmersheim, WA	220	203	40	38	WMR Scotland
C. Vernon Hyson, NC	214	203	39	39	R. Andorra
Paul Buer, FL	208	197	40	38	R. Dublin
Richard Davis, NM	208	197	36	35	RIAS Berlin
Kirk Allen, OK	206	197	35	33	R. Dublin 800W
Rick Krzemien, CA	209	194	36	35	R. Dublin
Sheryl Paszkiewicz, WI	206	193	38	38	WMR Scotland
Del Fye, FL	206	191	40	39	Petrozavdosk
Ron Howard, CA	209	190	34	34	RIAS Berlin
Nobuaki Takahashi, Japan	221	189			
John Huniwell, NJ	194	189	37	37	R. Dublin
Mike Hardester, Okinawa	197	183	38	38	Karelo-Finish
Kevin Atkins, AL	206	182	37	37	WMR
David Swaringen, NC	202	182	36	36	RTV Ljubljana
Rowland Archer, NC	198	181	39	38	R. Andorra
Christos Rigas, IL	200	178	39	39	Petrozavdosk
John Bryant, OK	199	175			R. Dublin
Steven Lare, MI	215	174	39	37	WMR
Mitch Sams, KS	218	171			
Robert Ross, Ont.	197	171	37	37	South Dublin R.
Donald Hosmer, MI	208	163	38	35	Scotland
Frank Orcutt, NY	199	157	34	30	R. Nordsee Int.
Harold Sellers, Ont.	191	155			
Rev. John Eckert, PA	171	153	36	36	R. Dublin
Bill Harms, FRG	215	151	38	35	R. Dublin
Charlie Hoffman, PA	201	150	39	36	R. Andorra 6215

Name, State	Total		Europe		Best European QSL
	C/H	C/V	C/H	C/V	
Andy Rugg, Que.	164	150	38	38	R. Dublin 6910
Henry Michalenska, RI	184	149	35	35	West Berlin
Jerry Klinck, NY	175	148	32	32	Iceland
Carl Radtke, CA	147	147	30	30	Finland
Fred Kohlbrenner, PA	183	144	38	37	R. Andorra
Kent Willis, KY	191	143			
Tom Laskowski, IN	176	139	34	31	R. Dublin 800W
Peter Tutak, WA	175	131	33	32	R. Andorra
Carl Mann, NB	151	127	33	33	R. Dublin
Thomas Ross, IL	149	125	33	32	Iceland
Jim Renfrew, NY	160	121	36	35	Gjirokastr
Kurt C. Cox, OR	153	117	31	31	R. Nordzee Int.
Jim Smallwood, AL	140	112			
Robert Landau, NJ	135	112	33	32	AWR Forli
Bill Taylor, PA	146	109	36	36	R. Dublin
Jerry Lineback, GA	205	108	38	29	Andorra
Greg Hart, FL	161	107	35	33	RIAS Berlin
Donna Robinson, IL	141	104			
Ichiro Maruo, Japan	169	101	32	28	ICR
Cris Hazzard, PA	125	94	33	32	R. Riga
Harold Levison, PA	125	92			
Peter Dillon, Greece	146	91	34	29	R. Rodina
Joe Zobro, MI	115	87	30	30	DW-Malta
Robert Carlsen, OH	103	85	33	31	
Joe Kremer, IN	126	80	32	29	Yugoslavia
David Turnick, PA	92	80			
Mark Humenyk, Ont.	133	78	34	30	R. Berlin Int.
Kevin Klein, WI	166	73	33	26	R. Luxembourg
Adrienne Barhydt, OR	117	72			
David Galletly, NY	97	70	32	30	R. Denmark
Dennis Kelly, MI	73	60	25	25	Luxembourg
William Blight, MD	70	51	27	23	Albania & Icel.
Bill Kurrasch, NY	79	48	31	24	AWR Forli
Tom Daly, NY	193	45	37	20	WMR Scotland
Rev. William Peake, IA	66	45	29	20	R. Berlin Int.
Richard Wallace, CT	79	40			
David Morby, NY	146	37	34	16	R. Luxembourg
Dale Park, HI	131	37	26	12	Sweden 21610
Larry Royston, HI	109	37			
Roger Morby, NH	143	1	34		
John Tuchscherer, WI	237	43		39	Renascenca
Norman Bobb, MN	175	32			
Jim Streitmatter, IN	160	31			Yugoslavia

Thanks to all who contributed this month. Remember, February 15, 1991, is the next deadline with the SPOTLIGHT on North America. Please share your totals with us. Have a Joyous Holiday Season and a Prosperous New Year. 73s till 91. *JaZ*

6th Clandestine-Contest
March 29 to March 31, 1991

For further information please contact:
 Clandestine-Contest - Mathias Kropf
 Mähr.-Schönberger-Str. 9 - D-6430 Bad Hersfeld 1
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 Don't forget to enclose return postage!

Contributors' Page

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LOGGINGS CONTRIBUTORS - DECEMBER 1990 - DEADLINE 10th of MONTH

The following members contributed loggings:

Frank ADEN, JR., Boise, ID	FRG7
Brian ALEXANDER, Mechanicsburg, PA	
Jerry BERG, Lexington, MA	Old Hammarlund
Bob BROWN, Lansdale, PA	NRD525, R4B, 80 Mtr Vertical, wires
John S. CARSON Jr., Norman, OK	SPR4, NC183D, ATS803A
Edward CICHOREK, New Brunswick, NJ	FRG8800, NC183D
David M. CLARK, Newmarket, ONTARIO	NRD515, 51J3, Ant
Richard A. D'ANGELO, Wyomissing, PA	R70, AlphaDelta Sloper
Richard FOLAND, Grand Rapids, MI	DX350
Pete GRENIER, Sparks, NV	FRG7
Mike HARDESTER, Camp Lejeune, NC	R70, A very Random Wire
Joe HOWELL, Escondido, CA	
Hans JOHNSON, Baltimore, MD	NRD525, Eavesdropper
Jerry JOHNSTON, Lexington, KY	DX302, Transoceanic
Rufus JORDAN, Pittsburgh, PA	
W. KARCHESKI, Holden, MA	NRD525, FL3
Fred S. KOHLBRENNER, Philadelphia, PA	
Bill KURRASCH, Ontario, NY	R70
Harold LEVISON, Philadelphia, PA	
John LYON, White Bear Lake, MN	ATS803, Attic Longwire
Ben MANCINE, Elyria, OH	NRD525
David MORBY, Clifton Park, NY	R5000, ATS803K
Dale PARK, Honolulu, HI	NRD515
Sheryl PASKIEWIEZ, Manitowoc, WI	FRG8800, DX440, AD370
Ronald PURDUE, Byron, MN	
Thomas V. ROSS, Lyons, IL	
Robert ROSS, London, ONTARIO	DX440
Larry ROYSTON, Pahoia, HI	NRD525, R7
Robert R. ZILMER, Rio Rancho, NM	

For November, the following contributed but missed the acknowledgement:

John CARSON, Norman, OK	SPR4, NC183D, ATS803A
Jon CRAIG, Pearland, TX	SW1S
Thomas ROSS, Lyons, IL	

From the comments I received on the survey last month, other members were curious about the rigs we use and from where we are listening. How about expanding it to include antennas? For most of us, our antenna is the weakest link in the chain of equipment. Please update your antenna data when you send in those great reports. A reminder - - if you're tight on the deadline you can send your reports direct to the Log Editors, however you may miss the contributors list for that month. We missed Jon CRAIG in October because of deadlines (gotcha now Jon - thanks!).

I hope all will have a HAPPY HOLIDAY SEASON & a NEW YEAR filled with joy & peace.



Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220

- 1620 AUSTRALIA, 4RPH/7RPH, Brisbane & Hobart, 14/10, 1100+ mixing at low lvl till pres. Brisbane rose on top w/drama hrd clear for abt 5 mins, then faded. (Clark-ON)
- 1620 PIRATE, Pirate R. New England, 6/10, 0514-0530 w/tape loop & IDs, "originating from the majestic beach of PRN Mountain New England." (Alexander-PA)
- 1629 AUSTRALIA, 2RPH, Sydney, 14/10, 1058 fade up w/readings on Aus. dollar, Gulf crisis, much tlk abt Aust. Some mx. Must be 2RPH since 3RPH moved to 1179 kHz. (Clark-ON)
- 2325 AUSTRALIA, VL8T Tennant Creek, 23/10, 1004 w/C&W mx, TC, ABC ID, 1st time hrd after many tries. (Cichorek-NJ)
20/10, 1220 w/Amer mx //2310, 2485. SIO=242. (Lyon-MN)
Welcome to the column!--sp.
- 2390 MEXICO, R. Huayacocotla, 8/11, 0100 w/anmts, mx, fairly good sig. (Kurrasch-NY) Tnx for calling; unfortunately, hrd barely a peep out of them here--sp.
- 2460h USA, WIGS, 2x1230, 8/10, 0230 w/simulcast of 95X, WGIX, pop mx, lcl nx. (Johnson-MD)
- 2475 UNID, 29/10, 0335-0403* w/EG hymns, anmts in lang, missed ID 0400, abruptly off. (Kurrasch-NY) Poss. St. Kitts harmonic, 3x825 which some have hrd here--sp.
- 2904.8 LESSER SUNDAS, RKPDT2, Ngada, 5/11, 1158 w/poss. lcl IS, partial ID, SCI, single tone, tlk in IN, didn't seem to be Jak relay. (Clark-ON)
- 3200 SWAZILAND, TWR, 30/10, 0300 IS, ID, tlk in pres. Ndebele, hymns. (Johnson-MD)
- 3205 NEW GUINEA, R. West Sepik, 17/10, 1122-1140 fade w/tlks in PD & EG, lcl mx, ID as R. Sandaun, FC, nx. (D'Angelo-PA)
- 3215 SOUTH AFRICA, R. Oranje, 13/10, *0300 ID, morning meditation. (Johnston-KY)
- 3220 NEW GUINEA, R. Morobe, 1/10, 1113-1134 fade w/vcls, ID 1129 more mx, also hrd 4/10 w/1100 ID. Poor sig. (D'Angelo-PA)
- 3222 TOGO, R. Kara, 16/10, 2212 in FR w/lcl mx, tlks. (Klinck-NY)
- 3224.9 SUMATRA, RRI Tanjung Pinang, 20/10, 2214 in IN w/peak at 2235, tlks but rapd fade. Semi-rare here. (Clark-ON)
Also 3/11, 2220 w/lcl pgm, poss. ID 2230, short mx break, tlks. Showing up here more often this fall. (Clark-ON)
- 3240 SWAZILAND, TWR, 29/10, 0310-0330 in Shona w/tlks & gospel mx, SIO=343. (Brown-PA) Tnx for logs & comments--sp.
- 3250 UNID, 29/10, 1123 in SP, tlk but very weak. (Cichorek-NJ)
- 3255 INDIA, INES Shillong, 3/11, 1130 w/subcont. mx, vcls, fair peak level. What is new s/on time?--(Clark-ON)
- 3255 LESOTHO, BBC Relay, 22/10, 0354 EG w/tlks, mx, ID 0359, into nx. Poor, noisy. (Karcheski-MA)
- 3255 UNID, 21/10, 1140 tlk unid Asian lang. Poss. AIR Shillong but early for their listed s/on. (Clark-ON)
- 3260 NEW GUINEA, R. Madang, 4/10, 1100-1112 w/ID, EG nx, tlk abt Bougainville. SIO=2+52+ (D'Angelo-PA) 22/10, 1112 w/choral singing, IS. (Kohlbrenner-PA)
- 3270 NAMIBIA, NBC, 30/10, 0405 w/tlk in pres. Herero, drums, bird chirps, nx abt Angola, etc. ID & EG nx. (Johnson-MD)
- 3290 NAMIBIA, NBC, 25/10, 0225 EG w/Amer pop mx, "Pennies From Heaven," etc. SIO=343. (Lyon-MN) 16/10, 0300 EG w/ID, anmts, pop mx. (Klinck-NY) 12/10, 0430 EG ID, nx //3270 both freq. exc. (Howell-CA)
- 3290 NEW GUINEA, R. Central, 23/10, 1050-1117 w/lcl vcls, 4 TP, EG ID, nx in EG, tlk in PD, lcl mx. (D'Angelo-PA)
- 3300 GUATEMALA, R. Cultural, 24/10, 0218 w/clx mx, marimbas, EG 0300, "Back to the Bible." SIO=343. (Carson-OK)
- 3305 PAPUA TERR., R. Western, 4/10, 1106-1128 PD w/tlks, Amer. pop mx. SIO=232. (Brown-PA)

- 3310.3t BOLIVIA, R. San Miguel, 29/10, 0903 SP w/guitars/flutes, tlk 0905, poss. ID, back to music. (Kohlbrener-PA)
- 3315 ADMIRALTY ISLANDS, R. Manus, 25/10, 1123-1135 in EG w/nx, tlk by 2 OM, instl bridge, ID, vcls. (D'Angelo-PA)
- 3325 BORNEO, RRI Palangkaraya, 28/10, 1150 w/gamelan & EZL mx, lcl ID 1155, mx, SCI, nx //3345 Ternate at 1200. 1st time hrd this season. PNG still off this freq. (Clark-ON)
- 3330 CANADA, CHU, 6/11, 1128 back on this freq. from 3333. Must have been key in error at tx. (Johnston-KY)
- 3330 UNID, 3/11, 1155, poss. R. Kashmir, Leh, CHU temporarily on 3333. Would be nice if CHU did this in 4-6 weeks. (Clark)
- 3333 CANADA, CHU, 30/10, 0253 hrd on this new freq. (Johnson-MD) 31/10, 0538 (Johnston-KY)
- 3335p TAIWAN, BCC Taipei, 21/10, 1133 w/CH tlk by W, mx, peaking weak-fair 1145 but gone 1155. 1st time hrd here, PNG was absent. Tnx Cedric Marshall. (Clark-ON)
- 3355 INDIA, AIR Kurseong, 10/11, 1215 w/subcont. mx, fair. 11/11, poor w/1155 peak, instls. PNG absent both days. (Clark-ON)
- 3360 GUATEMALA, LV de Nahuuala, 9/11, 0310 w/marimba mx, ID 0330 as "Radio Nahuuala." (Johnston-KY)
- 3365 CUBA, R. Rebelde, 24/10, 1118 w/tlk abt Castro, ID, tlk & chimes. SIO=333. (Cichorek-NJ)
- 3365 INDIA, AIR Delhi, 3/11, 1228 w/IS, weak & mixing w/PNG, pres. EG nx 1230 but under PNG. (Clark-ON)
- 3366 GHANA, GBC-2, 15/10, 2209 EG lcl nx. (Klinck-NY)
- 3370 GUATEMALA, R. Tezulutlan, 20/10, 0050 SP w/dialog by M&W, IDs //4835. (Howell-CA)
- 3374.2 UNID, strong suspicion of RRI Medan. 10, 11/11, peaking at 2230-2245, almost gone 2300. Good carrier but modulation problems, similar to Dili, Semarang, etc. (Clark-ON)
- 3385 NEW BRITAIN, R. East New Britain, 22/10, 1047 in PD w/Beatles song, island mx, YL anncr. (Kohlbrener-PA)
- 3394.8 SUMATRA, RRI Tanjungkarang, 20/10, 2210 w/EZL mx, anmts, rel tlk, ID 2221, booming in like a lcl 2225+. Indo logs poss. due to geomagnetic flare this date. (Clark-ON) 28/10, 2207 lcl ID, tlk, pops, ment. town. (Clark-ON) 16/10, 2225 pres. IN tlks, soft mx, other Indos also audible. (Brown-PA)
- 3447 BORNEO, RRI Pontianek, 16/10, 1405 w/nx, filler mx, tlk by W, good carrier but weak audio. (Howell-CA)
- 3652 USSR, site? 21/10, 0025 in RS w/lite mx, Mayak IS 0030, tlk //4930. Very weak. (Alexander-PA)
- 3904.8 SUMATRA, RRI Banda Aceh pres., 28/10, 2255 faint SCI, short jingle 2300, probable Jak relay but severe ham QRM. (Clark)
- 3915 SINGAPORE, BBC Relay, 20/10, 2238 good level w/domestic nx, tlk abt Parliament. (Clark-ON)
- 3935 JAVA, RRI Semarang, 16/10, 1355 w/mx, SCI, ID, nx, ham QRM. (Howell-CA)
- 3959.8 SULAWESI, RRI Palu, 5/11, 1150+ w/pop mx, poss. lcl ID, SCI, more pops at 1222 recheck, tlks by YL. (Clark-ON)
- 4000 CAMEROON, R. Bafoussam, 17/10, 2213 FR w/tlks but severe ham QRM made this difficult. (Klinck-NY)
- 4002.9p SUMATRA, RRI Padang, 22/10, 2231 IN tlk under ute, gone by 2300. (Cichorek-NJ)
- 4040 ARMENIA, Yerevan 1, 26/10, 0247 //4930 w/M2 pgm. (Johnson-MD)
- 4719.9t BOLIVIA, R. Abaroa, 22/10, 0940-0948 w/Andean mx, poss. ID 0944, ute QRM, poor. (Kohlbrener-PA)
- 4725t MYANMAR, Vo Myanmar, 24/10, 1114-1142 w/tlk in lang, exotic mx, pres. ID 1130, nx to 1141 mx, poor. (Brown-PA)
- 4740 USSR, R. Afghanistan relay, 13/10, *0130-0155 w/NA, poss. ID by YL, into Qur'an. (Kohlbrener-PA)
- 4750 TIBET, Xizang PBS, Lhasa pres., 20/10, 1200 w/5+1 pips, anmt, fanfare, poss. nx, very good sig. (Clark-ON) 4/11, 1320 w/pop mx, ID, tlk over mx, fair. (Lyon-MN)
- 4753.3 SULAWESI, RRI Ujung Pandang, 27, 28/10, 1150 fair, back from 4719.3. (Clark-ON) 6/11, 1225 ID, mx, drama, fair. (Johnston-KY)
- 4760 ANDAMAN ISLANDS, AIR Port Blair, 21/10, 1200 under the Chinese w/subcont. mx, faded by 1205. AIR Leh has moved to 3330 so most probably Port Blair. (Clark-ON)

4760 SWAZILAND, TWR, 8/10, 1656-1701 EG w/IS, ID, rel pgm, poor sig. (Royston-MI)

4765 CONGO, RTV Congolaise, 15/10, 2150 FR w/tlks, lcl mx. (Klinck-NY)

4770 NIGERIA, R. Nigeria, Kaduna, 12/10, *0430 w/EG nx, pgm sked, lcl mx. (Mancine-OH) 20/10, 2200 EG w/ID, flute, tlk abt Nigerian natural resources. (Cichorek-NJ)

4772 UNID, suspect Son La, Vietnam, 21/10, 1235 w/good carrier, seems like 1230 s/on. (Clark-ON)

4774.9 PERU, R. Tarma, 13/10, 1005-1015 w/huaynos, ID 1012, good. (Alexander-PA)

4787.3t SOUTH VIETNAM, 28/10, very tent but could be station at Pleiku, 1205-1215 in Asian lang w/typical instls, closed with march or anthem, very weak. Tnx SWLD & Craig Tyson for tip. Recently reactivated, worth watching (Clark-ON) Also on 4787.1, 5/11, s/off 1210 and 11/11 on 4787.5 w/1212 s/off. Station name is Gia Lai-Kon Tum B.S. (Clark)

4790 PERU, R. Atlantida, 29/10, 0900 w/s/on, ID, lcl mx. (Klinck)

4793t EQUATORIAL GUINEA, RN, 22/10, 2154-2205* tlk in SF, Afr. mx, sounded like full ID 2202, NA to s/off. (Ross-ON)

4795.3 ECUADOR, LV de los Caras, 30/10, 0200 ID, mx very different from HCJB type, echo anmts by OM. (Johnson-MD)

4795 USSR, unid, 11/11, *0420 TT, R. Moscow relay, nx, mx, carrier only after 0500. (Johnston-KY)

4800 ECUADOR, R. Pop. Independiente, 4/11, 1133 w/rel pgm, mx. (Klinck-NY)

4800 INDIA, AIR Hyderabad, 13/10, 1205 subcont vcl, anmt to 1215 fade. 20/10, 1210 w/EG nx, then tlk in Hindi. (Clark-ON)

4800 LESOTHO, R. Lesotho, 15/10, 2155 in Sesotho, lcl mx, anmts, s/off after anthem. (Klinck-NY)

4810 SOUTH AFRICA, R. Orion, 19/10, 0345 in AK w/tlk, group discussion. (Mancine-OH) 4/11, 0335 w/Western mx. (Klinck)

4814v VIETNAM, pres. Ha Tuyen BS, 3/11, moved down from 4817 in October but drifting. On 4814 4/11 at 1215 but back on 4817 11/11 at 1230. (Clark-ON)

4815 BURKINA FASO, RTV Burkina, 15/10, 2155 FR w/lcl mx, ID. (Klinck-NY) 20/10, 2217 FR w/pops, hilife mx, tlk in FR, Afr. mx. (Cichorek-NJ)

4816.8v UNID, still chasing Ha Tuyen, Vietnam, 13/10, 1145 limited audio, gone by 1200, continues to drift. (Clark-ON)

4820t ANGOLA, EP da Huila, 21/10, 2210 PT tlk, instls, anmt 2230, 2259, anthem type song to s/off, no ID. Tnx Berg/Alexander. (Johnson-MD)

4824.8 PERU, LV de la Selva, 26/10, 2328 w/pops, echo ID, FC by M, 2330 w anmts, EZL mx. (Cichorek-NJ)

4825 BRAZIL, R. Cancao Nova, 2/11, 2255 w/soft mx, YL anmts, M tlk, ID 2300, FC. (Klinck-NY) 14/10, 2349-0010 w/soft mx, full ID, FC, QTH anmt, SIO=343. (D'Angelo-PA)

4828v MONGOLIA, R. Ulaanbataar, Altai, 21/10, 1210 tlk, vcls, drifting down, //4995, fair & clear. Tent. //4850 w/Tashkent missing. Good opening after Indo opening yesterday. (Clark)

4830 VENEZUELA, R. Tachira, 0335 w/lcl mx pgm, IDs. (Klinck-NY) 26/10, 2332 w/ID, mx bridge, tlks. (Cichorek-NJ)

4835 GUATEMALA, R. Tezulutlan, 21/10, 1055 w/instls, ID 1057. (Cichorek-NJ) 2/11, 1135 in Indian lang, soft mx, tlks. (Klinck-NY)

4835 MALI, RTV Malienne, 16/10, 2205 FR w/lcl mx pgm. (Klinck-NY) 20/10, 2257 FR w/tlk, EG vcls, anmts. (Cichorek-NJ)

4845 MAURITANIA, ORTM, 11/10, 2200 AR, Islamic mx, guitars, clear ID 2300, 2330, 0000, 0100 s/off. (Mancine-OH) 2/11, 2319 AR tlks, mx. (Klinck-NY) Used to be a bear to ID--sp.

4850 CAMEROON, CRTV Yaounde, 21/10, 2117 FR w/Afr. pops, fast paced anmts. (Cichorek-NJ) 15/10, 2157 FR w/tlks, ID, lcl mx pgm. (Klinck-NY)

4850 MONGOLIA, R. Ulaanbataar, 11/11, 1215 Asian mx //4995 which was weaker. Usually 4850 the weaker. (Clark-ON)

4856 SUMATRA, RRI Palembang, 18/10, 1350 w/tlk over ballads, full ID. (Howell-CA) 10/11, 2159 w/SCI, Jak nx. (Clark-ON)

4860 INDIA, AIR Delhi, 21/10, 1240 carrier/tone, IS 1243, YL
s/on anmt 1245, fanfare, subcont vcls. (Clark-ON)

4865 COLOMBIA, LV del Cinaruco, 4/11, 0427 w/lcl mx, IDs. (Klinck)

4870 BENIN, ORTB, 30/10, 2220 FR w/discussion by 2M. (Klinck-NY)

4874.6p IRIAN JAYA, RRI Sorong, 1050-1124 on 9/10 w/tlk, missed ID
Amer pop mx to 1134 fade, SIO=232. (Brown-PA) 6/11, 1228
ID, SCI, ID, lcl nx, 1257 s/off w/o anthem. (Johnston-KY)

4875 BRAZIL, Super Radio, 5/10, 0143, mx, ID, anmts for 10 mins.
Tlk Teru top of hour, only station in State of Roraima per
WRTH. (Johnson-MD)

4875 CHINA, Vo Jinling, 20/10, 1145 w/instrl mx, TP, ID, nx by
M, SIO=434. (Lyon-MN)

4880 BANGLADESH, R. Bangladesh, 3/11, 1245-1300 w/songs, IDs,
nx poss in EG but audio too muffled to tell. (Paszkiwicz)

4882 CLANDESTINE, numbers stations, 2/11, 0525-0554 in EG w/
5 electronic notes, 5 digit groups, then off. (Jordan-PA)

4883 CHINA, R. Beijing, Hohhot, 18/10, 1405 w/typical pgm format
but in RS dialect-different! (Howell-CA)

4885p BRAZIL, R. Clube do Para, 11/11, 0451 w/FC, poss. ID, mx.
(Johnston-KY) Tnx for writing in--sp.

4889.5t ECUADOR, R. Centinela del Sur, 20/10, 0215-0230* w/pops,
tent. ID, anmts, abrupt s/off. Next night 0203* (Alexander)

4890 GABON, RFI relay, 12/10, 0445 FR w/pop mx, tlk, good sig.
(Mancine-OH) 1/11, 0520 FR discussion. (Klinck-NY)

4904.5t CHAD, Rdf. Nat. Tchadienne, 28/10, 2148 FR, pop mx, tlk,
EZL mx, fair. (Karcheski-MA)

4910 HONDURAS, LV de la Mosquitia, 31/10, 0325 EG rel pgm (Klinck)

4911 SUMATRA, RRI Bukittinggi, 28/10, 2240 good level thru
adjacent channel splash, vcls, better than //3231.8 (Clark)

4915 GHANA, GBC-1, 8/11, 2249-2301* w/nx features (Barr-IL)
Tnx for calling this in--sp.

4915 PERU, R. Cora, 1/10, 0956-1034 w/nx, 1000 ID by YL, lively
vcls, ID, ad string, SIO=353. (D'Angelo-PA)

4915 UKRAINE, Republic Program II, 8/10, 0315 w/IS, ID, "Hovorit
Kyiv." W anmts, clx mx 0335. (Johnson-MD)

4920 AUSTRALIA, ABC Brisbane tent, 16/10, 1056 EG tlks, CM & YL.
(Karcheski-MA) 20/10, 1130 EG w/Amer mx, SIO=444. (Lyon-MN)

4926.9 SUMATRA, RRI Jambi, 20/10, 2205 w/Jak nx, fair. Best after-
noon audio so far this season from Jambi. (Clark-ON)

4930 DOMINICAN REPUBLIC, k. Barahona, 13/11, 0320, bad hum. ID,
FC and addr: Apartado 201, Barahona. (Johnston-KY) Great!-sp

4931.7 JAVA, kRI Surakarta, 20/10, 2110 limited audio breaking thru
Signed off by 2200. Good carriers on other Javans too. (Clark)

4934 KENYA, KBC, 31/10, 0157 EG repeated ID, flute IS & into
lcl mx pgm. (Klinck-NY) 15/10, 0205-0220 EG w/lively Afr.
vcls, CM anncr, some Western pops. (D'Angelo-PA) 24/10,
0210 w/muffled audio, Western pops, nx. (Mancine-OH)

4940 UKRAINE, R. Kiev, 21/10, 0415-0520 RS w/clx mx, tlks abt
Moscow & Ukraine, folk mx, lots of IDs. (Jordan-PA)

4950 CHINA, Vo Puijiang, 19/10, 1118-1135 CH //3280, 3490.1,
tlk over sleepy CH mx. SIO=333. (Brown-PA)

4960.9 ECUADOR, R. Federacion, 20/10, 0050-0059* w/HC mx, ID 0056
brief tlk in lang & s/off w/march, no NA. (Alexander-PA)

4970 VENEZUELA, R. Rumbos, 29/10, 0110-0125 w/Latin pops, SP
tlks, ID, SIO=343. (Kurrasch-NY)

4975 BRAZIL, R. Tupi, 23/10, 2310-2345 w/long tlks, 2327 ID, ment
Sao Paulo, tlk to large crowd, mx. (D'Angelo-PA)

4976 UGANDA, R. Uganda, 25/10, 2040-2100* EG, Afr. pops, hilife
mx, rel mx & prayer, s/off w/anthem, weak. (Alexander-PA)

4976.3 COLOMBIA, Ondas del Ortegua, 22/10, 2250 mx, long tlk,
ID, ment. Todelar network. Sudden 2317* (Johnson-MD)

4980 VENEZUELA, Ecos del Torbes, 11/10, 0150-0356* w/nx, ment
Mexico, Ven, etc. off w/tech diff, then sports, ads, ID.
(Jordan-PA) 4/11, 0300 w/discussion, ID. (Klinck-NY)

4990.9 PERU, R. Ancash, 13/10, 1015-1035 w/tlk, anmts, ads, jingles
OA mx, ID, very strong. (Alexander-PA)

4995p MONGOLIA, R. Ulaanbataar, 11/11, 2215 peak, primitive Asian
flute mx, tlks. Never hrd this freq in afternoon B4. (Clark)

- 5003.5 RIO MUNI, kW, 28/10, 2120-2202* SP w/tlks, Afr. folk mx, standard l-o-n-g NA 2159, weak in high noise. (Alexander) 29/10, 2136 w/Afr. pops, instls, 2140 ID, nx, many ment of RN, instls, vocals. (Cichorek-NJ) 15/10, 2158 w/amnts, anthem, s/off. (Klinck-NY)
- 5005t SARAWAK, RTM SibU, 29/10, 1143 in Iban, mx, tlk, sig under WWV and lost by 1154. (Karcheski-MA)
- 5005.1 NEPAL, R. Nepal, 22/10, 1146 w/YL in EG, ID, "good evening" greetings, poss. lang lesson, tlks, short mx to 1215 time sig, 3 pips, 1 long tone. Does this mean Foreign sce has shifted to ½ hour later? (Clark-ON)
- 5011.1 ECUADOR, Esc. Radiofonicas Pop, 20/10, 0907-0930 w/HC mx, huaynos, amnts, "Radiofonicas" IDs, good. (Alexander-PA) 18/10, 1029-1053 in Quechua, tlks, guitar/vcls, ID, ment. Riobamba. (Brown-PA) 18/10, 1045 ID, discussion. (Klinck) unid on 12/10, 0100 in SP good audio but couldn't pull ID. (Morby-NY) Probably this--sp.
- 5015 BRAZIL, R. Pioneira, 17/10, 0233-0257* w/rap mx, "Pump it Up," "Shake That Body," etc. ID, s/off amnt. (Brown-PA) 20/10, 0820-0855 w/Bras. pops, amnts, rooster crows, ment. Transamazonica, sev. Pioneira IDs, good. (Alexander-PA)
- 5015.4 PERU, R. Tarapoto, 13/10, 0953-1005 w/tlk, lots of huaynos, ID, good. (Alexander-PA)
- 5020 NIGER, La Voix du Sahel, 28/10, 2133 FR w/tlk, IDs, vern mx. (Karcheski-MA)
- 5020 SOLOMON ISLANDS, SIBC, 22/10, 0955 EG w/pop mx, "Radio Happy Isles" ID, FC, short nx, mx, fair. (Kohlbreuner-PA)
- 5020.1p CHINA, Jiangxi PBS, Nanchang, 11/11, 2220 tlks in CH, also noted CPBS1 on 4905 very strong. (Clark-ON)
- 5023.1p BHUTAN, BBS, 2/11, 1135-1150 w/very weak audio, tlk, choral singing, fade 1150. (Brown-PA) 3/11, 1235 w/domestic choral mx, fair & clear. (Clark-ON)
- 5034.5 CENTRAL AFRICAN REP., RTV Centafricaine, 10, 11, 12/10, *0430 FR, 4-note piano IS, anthem, tlk, lcl mx, weak audio, fair sig, faded by 0500. (Mancine-OH) 14/10, 0435 tent, call & response mx, fading. (Howell-CA) 15/10, 2205 w/hilife mx. (Klinck-NY)
- 5034.9 BRAZIL, R. Aparecida, 7/10, 2329 mass/ID, FC. (Johnston-KY)
- 5040 ECUADOR, LV del Upano, 12/10, 0000-0200 w/mx, Andean flutes, chit chat, ads, FC, IDs, echo effects. (Jordan-PA)
- 5040 GUATEMALA, LV de Nahuala, 21/10, 1135-1145 //3360, marimbas, tlks, new freq. (Ross-ON)
- 5044.8 IRIAN JAYA, RRI Jayapura, 4/11, 1303-1310 w/Jak relay in progress, instls, ment. Indonesia. (Paszkievicz-WI)
- 5046.2 JAVA, RRI Yogyakarta, 4/11, 1248-1302 w/tlks, instls, very weak. (Paszkievicz-WI)
- 5047 TOGO, RTV Togolaise, 15/10, 2206 FR w/discussion. (Klinck-NY)
- 5052 SINGAPORE, SBC, 21/10, 1116 EG w/tlk abt the play, "1776." mx excerpts. (Cichorek-NJ) 25/10, 1607 EG, silly pop oldies. (Howell-CA)
- 5055 FRENCH GUIANA, RFO Cayenne, 12/10, 0410 FR mx request show, nx 0500, jingle & ID, het from Costa Rica. (Mancine-OH)
- 5055 COSTA RICA, Faro del Caribe, 4/11, 0257 EG w/rel pgm (Klinck)
- 5059.3 ECUADOR, RN Progreso, 21/10, 0045-0339* ballads, HC mx, tlks, s/off w/NA. (Alexander-PA)
- 5066.2 ECUADOR, RN Progreso, 13/10, 0115 musica tropical, ID 0200, bank ad. (Johnson-MD)
- 5075 COLOMBIA, Caracol Bogota, 0310-0330 pop mx, lots of ads, IDs, SIC=444. (Kurrasch-NY)
- 5090t CHINA, CPBS Taiwan Sce, 20/10, 2215 mx, tlks, suddenly off 2230 in middle of song. Not able to //4850. (Johnson-MD)
- 5260 KAZAKH SSR, Alma Ata 2, 28/10, 0115 trad mx, //7115, 0130 IS, tlk in RS. Txn DXLD 28 tip. (Johnson-MD)
- 5290 ASIATIC RSFSR, Krasnoyarsk, 24/10, *2200 IS, Kremlin bells, MI pgm. (Johnson-MD)
- 5440 CHINA, Xinjiang PBS, 30/10, 0010 minority pgm in Kazakh // 15670. Txn tip in Listeners' Notebook. (Johnson-MD)
- 5810 CANADA, R. Japan relay, 13/10, *1055-1117 EG spur of 6120. IS, pips, nx, weak. (Alexander-PA)

There certainly were some outstanding loggings once again. Dave Clark, you are really pulling in some amazing stuff. Remember, folks, Dave has several antenna systems on his land to work with, which explains some of his incredible loggings. Don't try this at home, hihi. Also, for those of you who aren't into Indonesian stations yet, I hope you found other loggings of interest for you. However, this does seem to be the year for logging Indonesia, and I, for one, find it fascinating.

Now, for my answer to the location of Mendi, the site of Radio Southern Highlands in Papua New Guinea. I received three replies, one stating it is in Papua Territory and two stating it is in New Guinea. One vote for each sounded very sure of the location but I haven't seen the map for myself. Anyway, Kris, go ahead and count it either way you want; I sure didn't want to create an issue over it. And thanks to Steve Lare, Chuck Oliver and Irv Leffler for your calls and letters.

Mike Hardester received a much coveted QSL from AIR Port Blair on 4760 kHz. He says the station does check reports very carefully against their transmission log. When they QSL'd Mike, they stated "there is slight variation at 1604:40 UTC"! So be very careful and precise when logging this one. The address is All India Radio, Port Blair 744 102, India.

John Carson sent a copy of an article which appeared in the Norman Transcript November 5 about Marvin Bensman of Memphis State University. Mr. Bensman is compiling a collection of historic radio broadcasts. His collection even includes broadcasts from Dr. Brinkley, the "goat gland doctor" of the 1930s. You may have read about Dr. Brinkley in Pop Comm or Monitoring Times.

Bill Kurrasch wrote in to say he recently sent the BBC a report for their Lesotho relay and received a letter indicating the BBC doesn't have time to QSL reports. This is the first refusal I've heard of from the BBC. Bill says he's going to try again, though, by fax! It's certainly worth a try, Bill.

Mike Hardester also sent through an NHK Network listing from Japan. It is denoted as a listing for emergency:

3259 kHz NHK Kasuga, Fukuoka, 600 watts SSB 0800-1300
General Service (1st Network)

3377.5 kHz JKM-20, Osaka, 300 watts AM 0800-1300
Educational Service (2nd Network)

3607.5 kHz NHK-Shoubu, Saitama, 900 watts SSB 0800-1300
General Service (1st Network)

3970 kHz NHK-Nabeta, Aichi, 300 watts SSB 2000-2430 & 0400-1300
General Service (1st Network)

3970 kHz JKU-20, Hokkaido, 600 watts, AM 1300-1500
General Service (1st Network)

Those are the channels listed in the tropical bands. I really appreciate the info, Mike. Following are a couple Laotian frequencies I just received from Lao National Radio:

4250 kHz Oudomxay, 2230-0130, 1100-1400

4500 kHz Houaphanh, 2300-0100, 0330-0530, 1000-1155

5000 kHz Xiengkhouang, 2300-0100, 0400-0600, 1000-1400

The most often heard Laotian frequency seems to be 6130 kHz from Vientiane. Keep in mind the 19 meter band frequencies are relays via the USSR. Tnx to everyone & like Vern said, every logging is a good logging. Happy Hanukkah, Merry Christmas & see you in the new yr

International Band Loggings

5901-30000 kHz

Wallace C. Treibel
357 N.E. 149th Street
Seattle, WA 98155



- 5930 CZECHOSLOVAKIA RPI in EG 0300, nx, press reviews, //7345, g (Carson OK 23/10)
- 5955 COLOMBIA LV de Centauros in SP 0410, ment Caracol & Bogata (Johnston KY 8/11)
- 5990 BURMA V of Myanmar in Burmese 1225, Asian mx, ID, nx?, g (Clark ONT 28/10)
- 59953 PERU R Melodia in SP 0925, SP pops, US big bands, TC's, ID (Alexander PA 21/10)
- 6005 GERMANY RIAS in GM 0556, mx, splash from R Reloj, f (Johnston KY 13/11)
- 6010 MEXICO R Mil in SP 0418, sports event, ads (Johnston KY 14/11)
- 6010 UNITED KINGDOM BBC London in GM *0443, IS, ID, tlks (Johnston KY 14/11)
- 6020 NETHERLANDS RN in EG 0030, nx, "Media Network", DX pgm, exc (Carson OK 2/11)
- 6025 NIGERIA FRC Enugu in EG 2125, nx, ID's, local sports items (Ross ONT 22/10)
- 6055 CZECHOSLOVAKIA RPT in EG 2205, tlk on public transport'n in CZ (Klinck NY 30/10)
- 6070 CANADA CFRX Toronto in EG 1242-1524, sports, call-ins (Carson OK, Cichorek NJ)
- 6090 LUXEMBOURG RL in FR 2332, C&W mx, pop vocals, g (Cichorek NJ 23/10)
- 6110 ANTIGUA BBC relay in SP *0300-0430*, IS, ID, nx, tlk, interview (Jordan PA 7/11)
- 6130 CANADA CHNX Halifax in EG 1235, mx, contest, wx, f (Kohlbrenner PA, Cichorek NJ)
In EG 0846, ID for MW outlet, wx, TC, jingles, nx on the hr (Ross IL 14/10)
- 6165 NETHERLANDS RN in EG 0052, ID, "Home, Market, & Families", g(Karcheski MA 25/10)
- 6210 ITALY Euro Christian R in EG *0659, IS, ID, relig pgm, p (Alexander PA 28/10)
ED: This is a nifty logging with only 7 kw xmiting power from European site.
- 62802v LEBANON V of Hope in EG 2025, sermon, relig mx, ID (Morby 28/10, Karcheski 27/10)
in AR *0400, ID and freqs, inspirational mx, tlk (Johnson MD 9/10)
- 6615 VIETNAM(p) Bac Thai in VT? 1340, tlk, choral mx, ID?, off 1352* (Howell CA)
- 7125 UNITED KINGDOM British Forces BS in EG *0200, rock mx requests (Howell CA 12/10)
- 7180 CYPRUS Cyprus BOC in GK 2215, musical performance, QRM fr BBC, f (Lyon MN 4/11)
- 7215 ALBANIA R Tirana in EG 2230, world nx, ID (Klinck NY 18/10)
- 7265 GERMANY Sudwestfunk Rohrdorf in GM 0535, European pop mx (Klinck NY 1/11)
- 72672 PAKISTAN Azad Kashmir R via Islamabad(p) in Kashniri 1206, tlk, mx(Brown PA 2/11)
- 7270 POLAND R Polonia in EG 2241, cmntry, mx, ID, DX show, g (Cichorek NJ 23/10)
- 7345 CZECHOSLOVAKIA RPI in EG 0400, nx, "Czechoslovakia Today", g (Carson OK 18/10)
In EG 0113, cmnts on cheap radio receivers, g (Levison PA 18/10)
- 7365 ALASKA KNLS in EG 1500, Elvis Presley "Love Me Tender", ID (Grenier NV 31/10)
- 7376usb COSTA RICA RFPPI in EG 0215, "World of Radio" DX pgm, f (Carson OK 31/10) in EG
0558, tlk against US involvement in Gulf crisis, ID (Johnston KY 11/11)
- 7430 GREECE Foni Tis Helladas in GK 0658, IS, NA, ID, tlks, p (Royston HI 21/10)
- 7465 ISRAEL Kol Israel in EG 2225, nx, pop mx, ID, DX pgm (Karcheski MA, Zilmer NM)
- 7480 CHINA Swiss R relay in EG 1330, "Dateline" nx, several //'s (Zilmer NM 23/10)
- 7542 ITALY V of Europe in EG 0025, pop mx, ID, address, g (Berg MA, Brown PA 15/10)
- 7600 ECUADOR HD2IOA Guayaquil in SP 2311, time station w/pips & annmts on the min.
(Brown PA 6/11) ED: Not bad catch with only 1 kw. xmitr.
- 9115usb ARGENTINA R Continental feeder in SP 0200, interview, ads, tlks, TC, ID, g
(Karcheski MA) s/off 2302 after futbol, ads, ID, address (Berg MA 29/10)
- 9345 NO. KOREA R Pyongyang in EG 1302, nx, martial mx w/chorus (Zilmer NM 24/10)
- 9435 ISRAEL Kol Israel in EG 0205, Israel nx magazine, travel pgm (Carson OK 2/11)
- 9480 ALBANIA R Tirana in EG 0438, ID, cmntry on Balkan countries, g (Carson OK 26/10)
- 9520 HUNGARY R Budapest in EG 0130, nx, Hungarian national theater, f (Carson 26/10)
- 9530 NO. MARIANAS CSM Saipan in EG 1400, nx, religious sermon, f (Lyon MN 3/11)
- 9545 ANTIGUA Deut Welle in EG 0339, theatre "sports", pop mx, g (Carson OK 19/10)
- 9565 INDIA AIR in EG 1400, nx, cmntry, local mx (Zilmer NM 23/10)
- 9570 ROMANIA RRI in EG 0200, nx, cmntry, mailbag (Klinck NY, Zilmer NM, Carson OK)
- 9575 ITALY RAI in IT 2315, various mx sels, vocals by W, ID, g (Levison PA 25/10)
- 9580 AUSTRALIA RA in EG 0849, wx, rock & roll mx, g (Carson OK) in EG 1340 w/talk on
artificial sweeteners (Grenier NV) 1315 w/messages to Gulf troops (Berg MA 4/11)
- 9590 SEYCHELLES FEBA in EG 1503, "Network", nx brief, tlks, disco, f (Park HI 10/10)
- 9610 AUSTRALIA ABC Perth in EG 1230, tlk re Australia, bad QRM VOA Phil (Klinck NY)
- 9615 NORWAY R Denmark relay in DN 0130, IS, ID in EG, nx?, g (Levison PA 26/10)
- 9625 CANADA CBC Northern Service in EG 1235, pop mx, ID (Klinck NY 31/10)
- 9640 ANTIGUA BBC relay in EG 0510, tlk on South Africa problems, f (Jordan PA 15/10)
- 9735 PARAGUAY R Nacional in SP 2339, discussion, ads, ID's (Klinck NY 31/10)
- 9740 EGYPT R Cairo in EG 0200, classical mx, ID, //9745 (Zilmer NM 29/10)

9750 SO. KOREA RK in EG 1250-1400, nx, cmntry, ID, feature (Carson OK, Klinck NY)
 9750nf CUBA RHC in EG 0435, "Dateline Havana", "Cuba Today", exc (Carson OK 24/10)
 9755 CANADA RCI in EG 0205, "As It Happens", nx, features (Carson OK, Grenier NV)
 9760 PHILIPPINES VOA relay in EG 1130, live coverage of shuttle launch (Park HI 6/10)
 9775 CHINA CPBS-2 Beijing in KR *1100-1130*, pips, ID, arias, txs, mx, p (Jordan PA)
 9815 ITALY IRRS Milan in EG 0717, nx, DX show, UN WHO tobacco rpt, f (Taylor PA)
 9835 HUNGARY R Budapest in EG 0205, nx, soccer, Hungary & the EEC, g (Carson OK 2/11)
 9855 NEW ZEALAND RNZ in EG 0710, "New Zealand & the Vietnam war" (Jordan PA 15/10)
 9870 GUAM KTWB Merizo in CH 1315, M talking in CH, ID (Klinck NY 31/10)
 9895 NO. MARIANAS KHBI Saipan in EG 1315, religious program, mx, ID (Klinck NY 31/10)
 9900 EGYPT R Cairo in EG 2153, tlk on Egyptian artist, ID, f-g (Cichorek NJ 17/10)
 9925 BELGIUM BRT in EG 0043, tlk on European monetary union project (Carson OK 30/10)
 10000 AUSTRALIA VNG time stn in EG 1214, ID, addr 14th minute, g (Brown PA 6/11)
 10000 CHINA BPM time stn in CH 1159, pips, then BPM 10 times in CW, then voice (Brown)
 11590 CHINA V of the Strait(p) in CH 1106, M/W talking alternately (Cichorek NJ 27/10)
 11585 ISRAEL Kol Israel in EG 2230-2259*, nx, cmntry, innovations (Zilmer NM 5/11)
 11620 INDIA AIR in EG 2050, tlk on puppetry, mx, nx, cmntry, g (Lyon MN 21/10)
 11645 GREECE V of Greece in EG 0138, nx, mx, farming in Greece (Poland MI 22/10)
 11695 FRENCH GUIANA R Beijing relay in EG 0415, "Current Affairs", mx, f-g (Jordan PA)
 11720 AUSTRALIA RA in EG 1803, nx re Australia & "International Report" (Grenier NV)
 117342v TANZANIA VoT Zanzibar in SH 1604, nx, cmntry (Howell CA) in SH 1710, nx, ID, mx,
 txs (Johnson MD) AR type nx 1814, ID, nx (Kohlbrenner PA, Alexander PA 24/10)
 11750 BULGARIA R Sofia in EG 0410, nx, Bulgarian opinion poll, f-g (Carson OK 2/11)
 11755 CHINA R Beijing in EG 0948, "Idioms & Their Meanings", f (Park HI 9/10)
 11755 FINLAND RF in EG/FR 0739, "Press Review" into FR 0745, f-g (Carson OK 1/11)
 11755 SWAZILAND TWR in EG 0430, IS, ID, Christian nx, relig item, f (Carson OK 12/10)
 11800 AUSTRALIA RA Brandon in EG 0510, M/W w/local nx & wx rpt (Klinck NY 4/11)
 11800 ITALY RAI in EG 2205, nx by W, LD, //9710, g (Morby 24/10)
 11810 IRAQ R Baghdad in EG 0301, AR vocal mx, //1830 (Purdue MN 12/10)
 118291 BRAZIL R Anhanguera in PT 2332, pop mx, ads, jingles, ID, p (Alexander PA 23/10)
 11830 IRAQ R Baghdad in EG 0300, anti-US propaganda, AR & pop mx (Purdue MN) *0427
 after press review & mx (Alexander PA) cmntry on US buildup 0245 (Jordan PA)
 11835 URUGUAY R El Espectador in SP 1100, Latin mx & tlk, QRM SL&C (Klinck NY 16/10)
 11840 CANADA R Beijing relay in EG 0433, current affairs, ID, f-g (Carson OK 16/10)
 11855 CHINA R Beijing in EG 1310, Iraqi responsibilities in Kuwait, ID (Cichorek NJ)
 11870 JAPAN RJ in EG 1755, cmntry on atomic radiation (Grenier NV 25/10)
 11895nf? UNITED KINGDOM(t) BBC in multi-lang 1905, txs w/mnts of Iraq, Iran, interviews
 remotes, mx fills, relig vocals, "tolling" bells, ID, fgy, f-p (Jordan PA 4/11)
 11895nf? ALBANIA R Tirana in SP 2030, ID, NA, into nx, f (Carson OK 1/11)
 11905 THAILAND R Thailand in Burmese 1505, nx, Asian mx, //9655 (Howell CA 1/11)
 11910 HUNGARY R Budapest in EG 0237-0245*, DX pgm, tips, new freqs (Carson OK 31/10)
 11940 LESOTHO ABC relay in EG 0430, world nx, "Network Africa", i-g (Carson OK 30/10)
 11945 UNITED ARAB EMIRATES R Dubai in EG 0335, nx, Dubai wx, tlk (Purdue MN 21/10)
 12015 MONGOLIA R Ulan Bator in EG 0910, ID, sked, freqs, address (Ross IL 15/10)
 12030nf? BANGLADESH RB in EG 1815, nx, ID, cmntry, lcl mx, //15255 (Alexander PA 25/10)
 12035 SWITZERLAND SRI in EG 0420, police authority in cantons, f (Carson OK 16/10)
 12050 EGYPT R Cairo in AR 0215-0335, continuous Koran readings (Johnson MD 16/10)
 12085 SYRIA R Damascus in EG 2115, NA, nx, cmntry, relig tlk, f (Lyon MN 4/11)
 13605 AUSTRALIA RA in EG 2200, nx, cmntry on Mideast, wx, econ tlk (Zilmer NM 4/11)
 13610 IRAQ R Baghdad in AR *0228, ID, martial NA, nx, prayers, txs, //15490, 15170
 (Jordan PA 21/10) NOTE: These are the former R Kuwait frequencies.
 13625 NO. MARIANAS KHBI Saipan in EG 1425, cmntry on US elections, nx (Carson OK 6/11)
 In EG 2035, Q & A regarding the National Geographic, g (Levison PA 9/10)
 13630 COSTA RICA RFPi in EG 2315, "Letterbox", //21565 (Zilmer NM 30/10)
 13660 IRAQ R Baghdad in EG 2109, nx, mx (Poland MI 18/10)
 13675nf UNITED ARAB EMIRATES R Dubai in AR 1650-2000+, slow AR mx, nx, lengthy txs on
 Gulf topics, Mideast mx & recitations, voice-overs, f-g (Jordan PA 19/10)
 13685 SWITZERLAND SRI in EG 1530, "Dateline" nx, ID (Zilmer NM 23/10)
 13770 GERMANY Deut Welle in EG 0505, polit cmntry, former RBI fgy, g (Carson OK 2/11)
 13775nf NO. KOREA R Pyongyang in EG 0002, NA, martial mx, male chorus (Zilmer NM 30/10)
 15000 ARGENTINA LOL Time Stn in SP 2249+, ID 3 times in CW, then voice (Brown PA 4/11)
 15020 INDIA AIR in Sinhalese 1440-1500*, chanting, brief tlk (Kohlbrenner PA 22/10)
 15160 AUSTRALIA RA in EG 1313, world & local nx, messages to Iraq, t (Carson OK 24/10)
 151706 SOCIETY IS. RFO Tahiti in FR 0445-0655, island mx, nx from Paris, //11827, 9752
 (Park HI, Klinck NY 1/11, Grenier NV 26/10)
 15180 UNITED KINGDOM BBC London in AR 1905-2050, txs re Mideast, nx (Jordan PA 2/11)

15195 BANGLADESH RB in EG *1230, nx, cmntry, mx, g but fluttery (Mancine OH 21/10)
 15195 FRANCE RFI in EG 1245, cmntry on Israel & UN resolution, p (Cichorek NJ 17/10)
 15265 BRAZIL RN in EG 1913, nx, Radiobras ID, addr, ID, IS, into PT 1930(Alexander PA)
 15265 INDIA AIR in EG 2100-2230*, nx on hr, cmntry, ID's, mx, f (Alexander PA 24/10)
 15285nf? QATAR QBS Doha in AR 0300-0430, tlks, AR mx, nx?, ID 0315, p (Jordan PA 25/10)
 15320 NO.MARIANAS KFBS Saipan in IN (per ILC) *2200, IS, ID in EG, g (Howell CA 13/10)
 15345 NETHERLAND ANTILLES TWR in EG 1303, nx, relig pgm "Glad Tidings" (Carson 24/10)
 15390 UNITED KINGDOM BFBS in EG 1349-1400*, dance mx, messages, ID, p (Park HI 2/10)
 15400 FINLAND RF in FN/EG 1258, "Northern Report", interviews, g (Carson OK 24/10)
 15400 UNITED ARAB EMIRATES R Dubai in EG 0332, nx, "Beautiful Arabia" (Carson 31/10)
 15410 ANTIGUA Deut Welle relay in GM 0031, symphonic & varied mx, ID, g (Levison PA)
 15430 AUSTRIA RAI in EG 1330, nx, cmntry (Zilmer NM 23/10)
 154482 BRAZIL RN de Amazonia in PT 2043-2200*, varied mx, ID's (Alexander PA 27/10)
 15470 USSR R Tashkent in EG 1205, nx, ID, vg, //9715, f (Morby 20/10)
 15475 GABON Africa #1 in FR 1729, ID, ads, "rap" mx pgm (Klinck NY 30/10)
 15560 NETHERLAND ANTILLES RN relay in EG 0051, "Media Network", g (Carson OK 26/10)
 17665 USSR R Kiev in UK 2200, IS, ID, into nx, f (Carson OK 16/10)
 17675 NEW ZEALAND RNZ in EG 0355+, nx, wx, mx, finance items (Jordan PA, Poland MI)
 17695 UNITED KINGDOM BFBS in EG 1339, rock mx, messages to troops, g (Carson OK 2/11)
 17705 CHINA R Beijing in EG 0008-0025, nx, sports beat, exc (Poland MI 21/10)
 17740 USSR R Tashkent in EG 1210, ID, "Listener's Club", mx requests (Cichorek 28/10)
 17755 SAUDI ARABIA BSKSA in SH 0505-0600*, ID, nx, AR chorals, NA, p (Jordan PA 25/10)
 17830 USA WHRI Indiana in EG/Croatian 2140, carrying R Libertas pgm, sked (Berg MA)
 17830 HONGKONG BBC relay in EG 2341, book promo, ID, pips, TC, mx, g (Karcheski MA)
 178624 COLOMBIA RNC in SP 2210-2256*, tlks, ID's, LA mx, NA* (Jordan PA, Alexander PA)
 17900nf ITALY RAI in IT 1446-1550*, nx, cmntry, mx, ID (Jordan PA 19/10, Zilmer NM 7/11)
 21490 AUSTRIA RAI in EG 1440, mktng into E European bloc, f (Carson OK 6/11)
 21535nf? QATAR QBS in AR 1213, ME vocals, prayers, tlks, no ID rptd, p (Jordan PA 18/10)
 21550 FINLAND RF in EG 1400, ID, econ & press review, g (Carson OK, Karcheski MA)
 21555 YUGOSLAVIA RY in EG 1308, nx, mx, ID (Poland MI 18/10)
 21566 COSTA RICA RFPI in EG 2335, nx, ads, Earthcare pgm (Poland MI, Cichorek NJ)
 21635 FRANCE RFI in EG 1230*-1355*, nx, press review, "Film Reel", f (Poland MI 26/10)
 21665 ROMANIA RRI in EG 1302, nx, mx, Youth Club, ID (Poland MI 30/10)
 21705 NORWAY RNI in EG 1900, "Norway Today" (Zilmer NM) in EG on Sun only (Nor. time)
 21800 BELGIUM BRT in EG 1400, nx headlines, cmntry on rebels in Africa (Levison PA)
 21840nf ITALY RAI in IT 1330-1354*, tlks, nx, cmntry, ID (Zilmer NM 5/1)
 25870 UNITED KINGDOM BBC London *1200-1245*, lang lessons, nx, ID, mx, f (Jordan PA)
 25950usb ECUADOR HCJB Quito in EG 1320-1457, Bible study, ID, freqs, world nx, relig mx
 Inspirational tlks (Berg MA, Jordan PA, Levison PA, Carson OK)

CLANDESTINES AND PIRATES

6300v CLANDESTINE R Patria Libre Colombia ELN Rebels in SP 0036-0113*, LA mx, tlks, several ID's, nx, folk mx, freq constantly moving (Karcheski MA, Alexander PA)
 6325 CLANDESTINE V o Khmer in KH 1105, cmntry, exotic mx, f (Brown PA 18/10)
 7010 CLANDESTINE EPRP Radio in Anharic? 0320, string percussion mx, tlks, warble jammer, s/off from 0330 to 0345 (Ross ONT, Johnson MD) site E Africa per PWBR.
 73882 PIRATE Midnight Radio in EG 0505-0712, pop mx, tlks, f-p (Royston HI 9/10)
 73863 PIRATE R Garbanzo in EG 2310, ID's, rock mx (Alexander PA, Berg MA 10/27)
 7404 PIRATE 4th of July R in EG 0518-0547*, rock mx, mailbag, g (Alexander PA 7/10)
 74102 PIRATE WYMN in EG 0434-0505*, ID, C&w mx, comedy, fake ads, Pirate Annie DJ, feminist tone (Alexander PA, Paszkiewicz WI, Berg MA all on 28/10)
 7410 PIRATE V of Bob in EG 0603, parody of fundamental minister, ID (Berg MA 28/10)
 7412sb PIRATE KBLU in EG 0440-0706, rock, ID (Royston HI, Howell CA, Alexander PA 14/10)
 7415 PIRATE KUSA Wisconsin 0530, rock, ID, "first night on air", cmntry on Saudi, (Howell CA, Karcheski MA, Alaxander PA, Royston HI, Aden HI all on 10/21)
 7417 PIRATE R Anarchy 0200, rock, PA address, f-g (Aden ID 1/11)
 7435 PIRATE KMUD 0420, relay KPFA (legit), ID, rock n' talk (Aden, Royston on 20/10)
 7435 PIRATE XERK Pittsburgh 0300*, address for QSL & phone calls (Aden ID 12/10)
 7492v CLANDESTINE V of Broad Masses PLF in AM(p) 0405, tlk, mx, //10021 (Brown PA)
 7890v CLANDESTINE V of Oromo Masses Ethiopia(t) in lang 0400, IS (Johnson MD 30/10)
 NOTE: Does anyone know the ID text and/or address for this station?
 9965 CLANDESTINE R Caiman Guatemala in SP 1322, politics discussed (Klinck NY 31/10)
 15043 PIRATE R Beaver 2044*, rock, ID, Sudbury, ONT addr, theme from "Leave It To Beaver" show, QSL offer (Alexander PA, Karcheski MA, Berg MA all on 20/10)
 15100 CLANDESTINE Iran Freedom Flag(t) in lang 1710, ME mx under jamming (Royston HI)

English Schedules

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Prepared 11/23/90 at 7:37 PM.

Thanks to **John Carson** (OK), **George Poppin** (CA), **Kris Field** (PA), **Gordon Darling** (Papua New Guinea), **R.C. Watts** (Louisville, KY), **Patrick McDonald** (Round Corner, NSW, Australia), **Ian McFarland** (RCI) and **Andy Sennitt** (WRTH) for the contributions received.

The Good News...

Congratulations to **Ian McFarland** on the airing of the 700th edition of **Radio Canada International's SWL Digest** on the weekend of November 17-18.

... and The Bad News

At deadline today via the fax machine comes a message from **Ian McFarland** dated November 23. *"Although RCI has been under threat on a number of occasions over the past 25 years, and has undergone many budget cuts, we now face the most severe threat to our existence in our 45 year history. In the past few days the federal government announced that in order to pay the cost of being part of the multi-national force in the Persian Gulf, it would necessary to cut some 350 million dollars from existing government programs. One of the Canadian institutions whose budget will be cut in order to cover part of this cost is the Canadian Broadcasting Corporation, RCI's parent organization.*

"It was announced today that within the CBC, RCI was at the top of the list of areas to be cut, and there is every possibility that within the next few weeks the decision will be made by the CBC Board of Directors to abolish RCI.

"It appears that the proposal is to cut RCI completely, rather than just impose more budget cuts as has been done in the past. The current RCI budget is approximately 15 million dollars."

If you are an RCI listener and feel that RCI is worth saving, Ian asks that you write a letter to **Prime Minister Brian Mulroney** (fax 613-957-5636). You might also send copies of the letter to **Rt. Hon. Joe Clark, Minister for External Affairs** (fax 613-952-3904) and to the **Hon. Marcel Masse, Minister of Communications** (fax 613-952-2429). Mr. Masse is the government minister responsible for the CBC/RCI. The postal address for all three individuals is the **House of Commons, Ottawa.**

Judging from the three page message received today, Ian's concern is very evident and clearly the continuance of Canada's international voice is in serious jeopardy. Please do take the time to write a message of support.

Poppouri

Halloween eve was a free band radio disappointment. Bob Brown, Kris Field and I heard Sameraui Radio and Fly-by-Night Radio, but little else of note, around the venerable 7415 kHz. Some "boos" and a bit of chatter among some listeners cluttered the frequency. It was all done by 9 p.m. or so. The next evening was a MW delight: Saudi Arabia at 2200-2330 on 1521, decent audio on 765 and 774, and Brown heard hetrodynes and carriers on many other trans-Atlantic frequencies. On November 5, we enjoyed reception of **Atlantic 252** on LW, plus other good audio on 171, 180, and 216 kHz circa 23 UT. On

the 10th, thanks to Bob's alert, we heard a tremendous 120m Indonesian opening at grayline.

Notes

As expected we found a host of undocumented, unannounced changes to schedules after November 4. And we missed the rescheduling of Czechoslovakia to Europe with the shift to standard time.

Glenn Hauser reports that **Radio Bras** has shifted its NA release from 02 to 11 UT on 11745. I can't verify this as the interference both at 02 and 11 make it impossible to discern the identity of any occupant. I have to believe it is a typo or a mistake in time conversion. Although the audio is not readable due to Sackville coming on 15260 at 18, I can hear the IS at 1755 UT on 15265.

A second edition of **DXers Unlimited** has been added to **Radio Havana Cuba's** Tuesday/Wednesday lineup. The times are the same as Saturday/Sunday's airings. I have managed to talk with Arnie Coro on 10 m once or twice. You'll find CO2KK on the 6 m DX spotting net on 28885.

From a **DXers** perspective, **HCJB's DX Party Line** has really improved in content. New host **Richard McVicar** often includes a marvelous collection of LA DX tips and station news based upon his listening. The program has been lengthened to 45 minutes. If you haven't listened for a while, do so now.

Assuming the September *India Calling* (received November 5) is still correct, **All India Radio** made some minor frequency changes and retimed one *DXers Calling* program. The 7412 and 11620 kHz outlets continue to be superb during the afternoon hours here in NJ.

I assumed wrongly that **Radio Japan's DX Corner** would be aired Monday 0330 UT via Canada. In fact, on short notice the program was shifted one day

earlier to Sunday 0330 UT -- which conflicts with *Twin Peaks*. When will Leland be found out? Will Bob move to another host? Will Ben Horne get out of jail? When will the dwarf dance again? The audio tape recorder gets a workout on Saturday evening.

John Vodenik, Mason, OH, reports that the VOA received three "new" transmitters from the BBC. They arrived on site at Bethany October 26, and testing is expected to begin by the end of the year.

Steve Forrest, Cincinnati, OH, called to say he is hearing the BBC *Gulf Link* program on 13745 at 0445. According to Steve, the program is very popular and the time has been lengthened twice since its inception. Over 3500 messages have been broadcast in two months. This frequency is not shown on the official BBC schedule; not all frequencies listed may be active. The second "*Gulf Link*" at 1645 is not shown at all. And it looks like 12095 has been dropped to NA.

On RCI's 700th edition of *SWL Digest*, Glenn Hauser announced that *World of Radio* will be aired on WCCR UTC Mondays at 0130. For those of us who listen to this show, it is good news. Here in the northeast, WRNO, while audible, is not intelligible on any frequency due to co-channel interference. WRNO, are you listening? I haven't heard *World of Radio* since the seasonal change when WRNO left 22 m. RFPI is so weak and suffers badly from fading that it too is not worth listening to.

In the second *Mailbag* of November, **Tony King** referred to an upcoming new **Radio New Zealand International** schedule effective in December but gave no details. Thanks to **Patrick McDonald** from New South Wales, we have that data. At deadline today the new RNZI schedule rolled off the fax machine. The data can't get any more current than this. Thanks for the long distance call, Patrick!

Changes entered between 10/27/90 and 11/23/90.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time

Compiled by Thomas R. Sundstrom, W2XG

Start Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Updated
0000	Australia	R Australia	17795	17750	17630	15465	15240	13605	11880		As/Pac/PapMG		11/05/90
0000	Bulgaria	R Sofia	11680	9700							NA		11/07/90
0000	Czechoslovakia	R Prague Int'l	11990	9540	7345						NA	Su -0030	11/07/90
0000	Israel	Kol Israel	11605	9435	7465						NA		10/28/90
0000	New Zealand	R New Zealand Int'l	17675								Pacific	Su	11/23/90
0000	USSR	R Kiev	17720	17690	15180	9800	9750	7400			NA		11/10/90
0000	USSR	R Moscow	17700	17665	17605	15425	9765	9685	7150	7115	EMA	#10 -04 v Cuba	11/09/90
0030	Australia	R Australia	21740	17855	17795	17750	17630	15465	15240	13605	As/Pac/PapMG		11/05/90
0030	Ecuador	HCJIB	25950	15155	9745						NA	#1 USB	11/03/90
0030	England	BBC	9915	9590	7325	6175	5975				MS: NA/CA/Carib		11/22/90
0100	Argentina	RAE	11710								Americas	Tu-Sa	10/27/90
0100	Australia	R Australia	21775	21740	21525	17855	17795	17750	17630	15530	As/Pac/PapMG	#10 -0800	11/05/90
0100	Czechoslovakia	R Prague Int'l	9540	7345	5930						NA		11/07/90
0100	Israel	Kol Israel	11605	9435	7465						NA		10/28/90
0100	Japan	R Japan	17845	17835	17810	15195					GOS/Asia		11/01/90
0100	USA	WACR	7320										11/17/90
0100	USA	WYFR	15440	9668	9505	6065					NA	#3&4 Network M-Sa	11/22/90
0100	USSR	R Moscow	17700	17665	17605	15425	9765	9685	7310	7150	EMA		11/09/90
0130	Australia	R Australia	21775	21740	21525	17855	17795	17750	17630	15530	As/Pac/PapMG		11/05/90
0200	Brazil	R Bras	11745								NA/CA	maybe 1100 UT	11/08/90
0200	Israel	Kol Israel	11605	9435	7465						NA		10/28/90
0200	Norway	R Norway Int'l	11925	9615							NA/CA	Su & Mo only	11/08/90
0200	Romania	R Romania Int'l	11940	11830	9570	9510	6155	5990			NA		11/08/90
0200	USA	WYFR	15440	9505	6065						NA	#2&3 Network M-Sa	11/22/90
0200	USSR	R Moscow	17700	17665	15425	9765	9685	7310	7150	7115	EMA		11/09/90
0230	England	BBC	9915	7325	6175	5975					MS: NA/CA/Carib		11/22/90
0300	Czechoslovakia	R Prague Int'l	9540	7345	5930						NA		11/07/90
0300	Japan	R Japan	21610	17825	17870	15325	15195	9645	5960		GOS/Asia/NA/EU/WE/AF	#6 Gabi #6 Fr Guinea	11/01/90
0300	USA	WYFR	9505	6065							NA	#1&2 Network M-Sa	11/22/90
0300	USSR	R Moscow	17700	15425	12010	11710	9765	9685	7150	7115	EMA		11/09/90
0330	Australia	R Australia	21775	21525	17855	17795	17750	17630	15530	15240	As/Pac/PapMG		11/05/90

0330	0400	Japan	R Japan	17810	11870	5960	GOS/Asia/NA	11/01/90	#3 v Canada
0400	0500	Australia	R Australia	21775	21525	17855	As/Pac/Pap/IG	11/05/90	#566 Sa-Su
0400	0500	Bulgaria	R Sofia	11735	9700	7115	NA	11/08/90	
0400	0600	Cuba	R Havana	11820	11760	9750	Americas	11/14/90	#4 -0450
0400	0615	Czechoslovakia	R Prague Int'l	9540	7345	5930	NA	11/07/90	
0400	0625	Romania	R Romania Int'l	11940	11830	9570	NA	11/08/90	
0400	0800	USSR	R Moscow	17720	17700	15180	LNA	11/10/90	also see 0530 & 0630
0401	0500	USSR	R Moscow	15445	12055	12025	World Service	11/10/90	#10 v Cuba
0445	0500	England	BBC	17815	15245	13745	ME	11/22/90	*Gulf Link*
0500	0600	Australia	R Australia	21775	21525	17855	As/Pac/Pap/IG	11/05/90	
0500	0700	Ecuador	HCB	15155	9745		NA	11/03/90	
0500	0530	England	BBC	9915	9640	5975	US: NA/CA/Carib	11/22/90	
0500	0550	Fed Rep Germany	R Deutsche Welle	13610	9700	9670	NA	11/11/90	#1 not amcd.
0500	0515	Israel	Kol Israel	17575	11605	9435	Aus/As/NA/WNA	10/28/90	
0500	0600	Japan	R Japan	17890	17825	17810	GOS/As/NA/Oceania	11/01/90	
0500	0600	USA	WYFR	15566	13695	11915	EU/Af/NA	11/22/90	#4 Network M-Sa
0500	0600	USSR	R Moscow	15445	12051	11785	World Service	11/11/90	
0530	0800	USSR	R Moscow	9500	7270		LNA	11/08/90	additional freq's
0545	0900	New Zealand	R New Zealand Int'l	9700			Pacific	11/23/90	Sa
0600	0630	Australia	R Australia	21775	21525	17855	As/Pac/Pap/IG	11/05/90	
0600	0650	Fed Rep Germany	R Deutsche Welle	17875	15440	15185	W Afr	11/09/90	
0600	0700	USA	WYFR	15566	13695	9680	Eu/Af/NA	11/22/90	#566 Network M-Sa
0630	0700	Australia	R Australia	21775	21525	17855	As/Pac/Pap/IG	11/05/90	
0630	0900	New Zealand	R New Zealand Int'l	9700			Pacific	11/23/90	M-F
0630	0800	USSR	R Moscow	9820	9700	7340	LNA	11/08/90	additional freq's
0700	0800	Australia	R Australia	21775	21525	17855	As/Pac/Pap/IG	11/05/90	
0700	0830	Ecuador	HCB	11835	9610	6205	Eu	11/23/90	
0700	0800	Japan	R Japan	21690	17890	17810	GOS/As/Oc/Eu/ME	11/01/90	#1 v Gabon
0700	0800	USA	WYFR	13695	9680	7355	Eu/Af/NA	11/22/90	#4 Network M-Sa
0705	0900	New Zealand	R New Zealand Int'l	9700			Pacific	11/23/90	M-F
0800	0830	Australia	R Australia	21775	21525	17750	As/Pac/Pap/IG	11/05/90	
0830	0900	Australia	R Australia	21775	21525	17750	As/Pac/Pap/IG	11/05/90	#10 -2030
0900	0930	Australia	R Australia	21825	21775	17750	As/Pac/Pap/IG	11/05/90	& 9580
0900	1000	Japan	R Japan	21610	17890	15270	GOS/As/Oc/Eu	11/01/90	& 9580
0900	1100	New Zealand	R New Zealand Int'l	9700			Pacific	11/23/90	
0930	1000	Australia	R Australia	21825	21775	17750	As/Pac/Pap/IG	11/05/90	
1000	1030	Australia	R Australia	21775	17715	15240	As/Pac/Pap/IG	11/05/90	
1000	1025	Belgium	BBT	21815	13675	6035	Afr/EU	11/10/90	M-Sa
1000	1100	USA	WYFR	5950			NA	11/22/90	
1000	1100	USSR	R Moscow	21785	17840	17810	World Service	11/10/90	#10 v Cuba
1030	1100	Australia	R Australia	21775	17715	11930	As/Pac/Pap/IG	11/05/90	

1100	1200	Australia	21825	21775	17715	15160	11930	9760	9710	9580	As/Pac/PapMG	11/05/90
1100	1300	England	15220	9740	6195	5965					US: NA/CA/Carib	11/22/90
1100	1130	Israel	21790	17590	17575	15630	11585				W Eu/E Eu/Aus/As	10/28/90
1100	1200	USA	7355	5950							NA	11/22/90
1100	1200	USSR	21800	21785	17880	17840	17810	17780	15550	15480	World Service	11/10/90
1130	1159	Canada	9650								#10 v Cuba	10/28/90
1200	1230	Australia	21825	21775	17715	15160	11930	9710	9580	7240	As/Pac/PapMG	11/05/90
1200	1630	Ecuador	25950	17890	15115	11740					NA	11/12/90
1200	1225	Norway	25730	21695							S As/Far East/Aus	11/08/90
1200	1235	Romania	17720	15365	15340						As	11/23/90
1200	1300	USA	17640	11830	7355	5950					NA	11/22/90
1200	1300	USSR	21800	21785	17880	17840	17810	17780	17710	15550	World Service	11/10/90
1200	1225	USSR	15470	11860	9715	9600	7325				As	11/13/90
1230	1300	Australia	21775	17715	15160	11930	9770	9580	7240	6080	As/Pac/PapMG	11/05/90
1230	1255	France	21645	21635	17650	15195	11670	9805			And/Eu	11/12/90
1300	1330	Australia	21775	17715	17630	15160	11930	9860	9770	9580	As/Pac/PapMG	11/05/90
1300	1400	England	15220	9740	6195	5965					US: NA/CA/Carib	11/22/90
1300	1355	Romania	21665	17720	15365	11940					Eu	11/15/90
1300	0100	USA	15690									11/17/90
1300	1500	USA	17640	15440	11830	9705	5950				NA	11/22/90
1300	1400	USSR	21785	21725	17880	17840	17810	17790	15550	15480	World Service	11/10/90
1300	1400	USSR	17840	17655	15535	15520	11775	9675	7380	7330	SE As	11/21/90
1302	1517	Taiwan	11550								India	11/22/90
1330	1400	Australia	21775	17715	17630	11930	9860	9580	7240	6080	As/Pac/PapMG	11/05/90
1330	1400	England	21735	17695	15390						ME	11/23/90
1330	1400	United Arab Emirates	21675	21605	17865	15435	15320				Eu/M Af	11/13/90
1330	1355	USSR	15470	11860	9715	9600	7325				As	11/05/90
1400	1430	Australia	21775	17650	11930	11720	9580	7240	6080		As/Pac/PapMG	11/05/90
1400	1425	Belgium	21810								NA/SE As	11/10/90
1400	1425	France	21770	11910	7125						SE As	11/03/90
1400	1500	Japan	11815	9505							GOS/As/Am	11/01/90
1400	1500	USSR	17840	17810	17790	17690	17655	15480	15465	15345	World Service	11/10/90
1430	1500	Australia	21775	17630	11930	11800	11720	9770	9580	7240	As/Pac/PapMG	11/05/90
1500	1530	Australia	17630	11930	11800	11720	9770	9580	7240	6080	As/Pac/PapMG	11/05/90
1500	1600	Japan	21700	9505							GOS/Eu/Af/ME/Am	11/01/90
1500	1525	Romania	17745	15250	11775						As	11/22/90
1500	0100	USA	15690									11/17/90
1500	1600	USA	17640	15215	13695	11830	5950				Se-Su	11/22/90
1500	1600	USSR	17810	17790	17780	17655	17570	15465	15345	13705	World Service	11/10/90
1530	1600	Australia	17630	13745	11930	11800	11720	9860	9580	7240	As/Pac/PapMG	11/05/90
1600	1630	Australia	17630	13745	11930	11800	11720	9860	9580	7240	As/Pac/PapMG	11/05/90

1600	1745	England	BBC	15260	9515				US: MA/CA/Carib	11/22/90
1600	1650	Fed Rep Germany	R Deutsche Welle	17925	15595	15105	11785	9615	S As	10/29/90
1600	1630	Norway	R Norway Int'l	21730	15225				ME/Af	11/08/90
1600	1640	United Arab Emirates	R Dubai	21675	21605	15400	15320	13675	Eu/M Af	11/06/90
1600	1700	USA	WFR	21615	21525	17640	17612	15440	Eu/Af/NA	11/22/90
1600	1700	USSR	R Moscow	17810	17790	17655	17570	15450	World Service	11/10/90
1630	1700	Australia	R Australia	17630	13745	11930	11800	9660	As/Pac/PapNG	11/05/90
1630	1730	Ecuador	HCJB	25950	21480			7240	6080	11/12/90
1630	1700	USSR	R Stn Peace & Progress	15480	12030	11850	11745	11630	9820	11/21/90
1700	1800	Australia	R Australia	17630	13745	11930	11800	9660	9580	11/05/90
1700	1800	Japan	R Japan	11815	9505	7140			GOS/As/Am	11/01/90
1700	1730	Norway	R Norway Int'l	17760	9655				NA/Eu/Af	11/08/90
1700	1900	USA	WFR	21500	17885	17845	15440	11830	Sa & Su only	11/08/90
1700	1800	USSR	R Moscow	17810	17790	17655	17570	15450	12030	11/22/90
1730	1800	Romania	R Romania Int'l	17720	15365	15340	11940		7720	11/10/90
1800	1900	Argentina	RAE	15345					Afr	11/12/90
1800	1830	Australia	R Australia	17630	13745	12000	11930	11880	11800	10/27/90
1800	1827	Czechoslovakia	R Prague Int'l	9605	7345	6055	5930		7240	11/05/90
1800	2111	New Zealand	R New Zealand Int'l	15485					Eu	11/12/90
1800	1830	Norway	R Norway Int'l	15310					Pacific	11/23/90
1800	1900	USSR	R Moscow	17970	15450	11840	11745	11630	9765	11/08/90
1830	1930	Afghanistan	R Afghanistan	9635	7215	6020			NA	11/10/90
1830	1900	Australia	R Australia	13745	12000	11930	11880	9580	7240	11/10/90
1830	1855	Belgium	BRT	15515	17550	5910			Eu	11/05/90
1830	1925	Netherlands	R Nderland	21685	17605	15370	6020		Afr/Eu	11/10/90
1845	1945	India	AIR	11620	9665	7412			GOS/NA Eu	11/05/90
1900	1930	Australia	R Australia	13745	13705	12000	11930	11880	9580	11/15/90
1900	2000	Ecuador	HCJB	25950	21480	17790	15270		6080	11/05/90
1900	1930	Japan	R Japan	13270	11850	9505			Eu	11/10/90
1900	1930	Norway	R Norway Int'l	21705	17730	15220			GOS/OC/Am	11/01/90
1900	2000	Spain	Spanish Foreign Radio	15395	15375	9875			SA/NZ/Eu/Af/NA	11/19/90
1900	2000	USA	WFR	21615	17885	17845	15440	15355	11830	11/09/90
1900	2000	USSR	R Moscow	15475	11840	11745	11630	9765	9685	11/22/90
1920	1930	Greece	V of Greece	9395	7430				World Service	11/10/90
1930	2000	Australia	R Australia	13745	13705	12000	11930	11880	9580	11/21/90
1930	2000	Bulgaria	R Sofia	9700	7155	6070			W Eu	11/12/90
1930	1945	Czechoslovakia	R Prague Int'l	9605	7345	6055	5930		Eu	11/12/90
1930	2030	Iran	R Tehran	9022	6030				ME/NA Af/Eu/EWA	11/18/90
1945	2045	India	AIR	11860	9950				GOS/ME/Afr	11/05/90
2000	2030	Australia	R Australia	15160	13745	13705	12000	11930	7240	11/05/90
2000	2100	Cuba	R Havana	11850					As/Pac/PapNG	11/06/90

2000	2030	Israel	Kol Israel	17630	11605	9435	7465	AF/M	EU/NA	10/28/90				
2000	2200	USA	WYFR	21525	17855	17845	17612	15440	15355	15215	11830	EU/AF/NA	#2,3,5,8 Netwerk M-Sa	11/22/90
2000	2100	USSR	R Moscow	12030	11840	11745	9765	9720	9685	7170	6175	MS/Afr. Svc/UK Svc	#1&3 Af #5-9 UK	11/10/90
2030	2100	Australia	R Australia	17795	15465	15320	15160	13745	13705	12000	11930	As/Pac/PapMG		11/05/90
2045	2230	India	AIR	15265	11715	11620	9910	9665	7412			GOS/Aus/NZ/M EU		11/05/90
2100	2130	Australia	R Australia	17795	15465	15320	15160	13705	11880			As/Pac/PapMG		11/05/90
2100	2200	Czechoslovakia	R Prague Int'l	9605	7345	6055	5930					EU		11/12/90
2100	2200	Japan	R Japan	17890	17810	15270	11815					GOS/As/Oc/EU		11/01/90
2100	2130	Norway	R Norway Int'l	11850	7210							NA/Far East	Sa & Su only	11/08/90
2100	2200	Spain	Spanish Foreign Radio	9875								EU		11/09/90
2100	2200	USSR	R Kiev	6185								EU		11/10/90
2100	2200	USSR	R Moscow	17720	17665	15470	11840	11745	11685	9765	9685	World Service	#4 v Cuba	11/09/90
2111	0630	New Zealand	R New Zealand Int'l	17675								Pacific	MO-Sa (Sa -0545)	11/23/90
2130	2200	Australia	R Australia	17795	15465	15320	15160	11880				As/Pac/PapMG		11/05/90
2130	2200	Australia	R Sofia	9700	7155	6070						EU		11/07/90
2200	2230	Bulgaria	R Australia	21740	17795	15465	15160	13605	11880			As/Pac/PapMG		11/05/90
2200	2300	Australia	R Canada Int'l	11945	9760							M EU		10/28/90
2200	2300	Canada	R Havana	7215								EU	v USSR	11/06/90
2200	2300	Cuba	R Prague Int'l	9605	7345	6055	5930					EU		11/12/90
2200	2215	Czechoslovakia	BBC	9915	9590	7325	6175	5975				US: NA/CA/Carib		11/22/90
2200	0030	England	R Moscow	17665	9765	9685	7170	7150	6045	6030	5940	World Service		11/09/90
2200	2300	USSR	R Stn Peace & Progress	9775	7360	7205	6145	4795				EU		11/21/90
2220	2300	USA	WYFR	21525	17855	17845	17612	15440	15215	11830		EU/AF/NA	#2,3,5,7 Netwerk M-Sa	11/22/90
2230	2300	Australia	R Australia	21740	17795	15465	15240	15160	13605	11880		As/Pac/PapMG		11/05/90
2230	2330	Bulgaria	R Sofia	11680	9700							M EU		11/07/90
2230	2300	Israel	R Israel	17575	11655	11605	9435	7465				AF/LA/NA/M EU		10/28/90
2300	2400	Australia	R Australia	21740	17795	15465	15240	15160	11880			As/Pac/PapMG		11/05/90
2300	2400	Japan	R Japan	17810	15230	15195	11815	11735				GOS/As/EU/NE/AF	#5 v Gabon	11/01/90
2300	2400	Japan	R Vilnius	17720	17690	15180	9750	7400	6100			NA/ EU		11/07/90
2300	0100	USA	WYFR	15440	11915	5985						NA		11/22/90
2300	2400	USSR	R Moscow	17700	17665	17605	15425	9870	9765	9685	7150	ENA	#2&3 Network M-Sa	11/09/90
2315	0115	India	AIR	15110	11745	11715	9910	9535				GOS/As		11/05/90

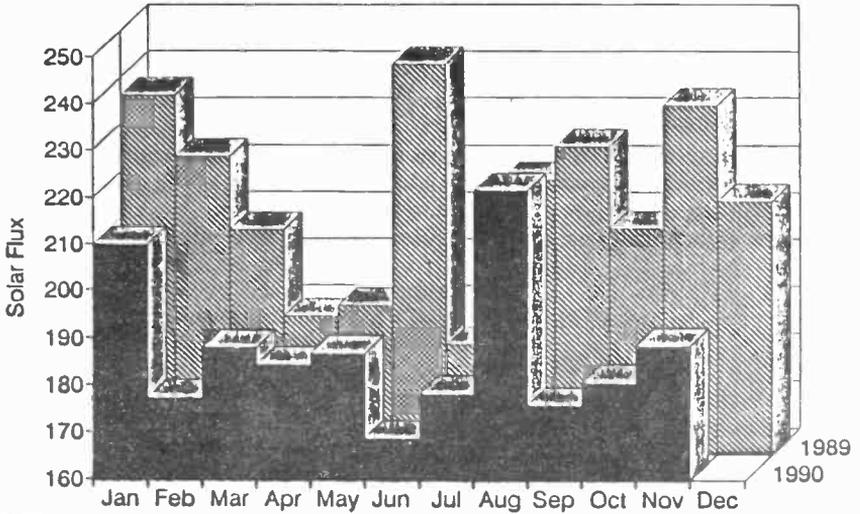
Changes entered between 10/27/90 and 11/23/90.

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas R. Sundstrom, W2XQ

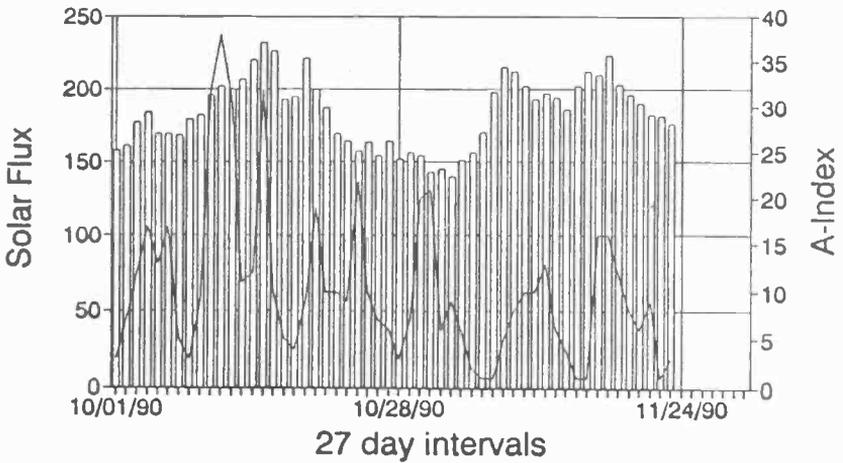
Shortwave DX Program	Show Name	Start Time	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area	Notes re DX Show	Record Last Updated
** DAY OF THE WEEK: Sunday														
Dxers Unlimited		0045	Cuba	R Havana	11820							Americas		11/06/90
DX Party Line		0235	Ecuador	HCJB	25950	15155	9745					NA		11/04/90
Dxers Unlimited		0245	Cuba	R Havana	11820	9505						Americas		11/06/90
DX Corner		0330	Japan	R Japan	17810	11870	5960					GOS/Asia/NA		11/06/90
Dxers Unlimited		0445	Cuba	R Havana	11820	11760	9750	9505				Americas		11/06/90
DX Party Line		0510	Ecuador	HCJB	15155	9745						NA		11/04/90
Dxers Unlimited		0645	Cuba	R Havana	11835							Americas		11/06/90
DX Party Line		0735	Ecuador	HCJB	25950	15155	9745					NA		11/04/90
SV Feedback		1135	Canada	R Korea	9650							ENA		10/28/90
SV Feedback		1250	South Korea	R Korea	9750							Am		10/28/90
** DAY OF THE WEEK: Monday														
World of Radio		0130	USA	WMCR	7520									11/17/90
Mailbag		0330	New Zealand	R New Zealand Int'l	17675							Pacific	1st & 3rd Mon/mo	11/23/90
Communicator		0730	Australia	R Australia	21775	21525	17855	17630	15240	13705	11930	As/Pac/PapMG		11/05/90
R Sofia Calling		1615	Bulgaria	R Sofia	17825	15310	11735					Afr		11/16/90
R Sofia Calling		1915	Bulgaria	R Sofia	17825	15310	11680					Afr		11/16/90
Dxers Calling		1925	India	AIR	15360	11935						GOS/E Afr	biweekly	11/05/90
Dxers Calling		2130	India	AIR	15265	11715	11620	9910	9665	7412		GOS/AusNZ/W Eu	biweekly	11/05/90
** DAY OF THE WEEK: Tuesday														
Dxers Calling		0040	India	AIR	15110	11745	11715	9910	9535			GOS/As	biweekly	11/05/90
Sweden Calling Dxers		1240	Sweden	R Sweden	21570	17740	11715					As/Pac	1st & 3rd Tu/mo	11/13/90
SWL Digest		1330	Canada	R Canada Int'l	17820	11855	9635					Carib/USA		11/08/90
Sweden Calling Dxers		1410	Sweden	R Sweden	21610	9765						As/Pac	1st & 3rd Tu/mo	11/13/90
Sweden Calling Dxers		1540	Sweden	R Sweden	21500	17880						NA	1st & 3rd Tu/mo	11/13/90
Sweden Calling Dxers		1810	Sweden	R Sweden	11900	9655	6045					Eu/Af/WE	1st & 3rd Tu/mo	11/13/90
Dxers Unlimited		1915	Cuba	R Havana	15435							Eu/Af/WE	1st & 3rd Tu/mo	11/03/90
Sweden Calling Dxers		1940	Sweden	R Sweden	7265	6065						Eu/Af/WE	1st & 3rd Tu/mo	11/13/90

Sweden Calling DXers	2210	2200	Sweden	R Sweden	6065		Eu/Af/ME	11/13/90
Sweden Calling DXers	2340	2330	Sweden	R Sweden	11705	9695	LA	11/13/90
** DAY OF THE WEEK: Wednesday								
DXers Unlimited	0045	0000	Cuba	R Havana	11820		Americas	11/06/90
Sweden Calling DXers	0110	0100	Sweden	R Sweden	9770		As/Pac	11/13/90
Sweden Calling DXers	0210	0200	Sweden	R Sweden	11705	9695	NA	We after 183 Tu/mo 11/13/90
DXers Unlimited	0245	0200	Cuba	R Havana	11820	9505	Americas	11/06/90
Sweden Calling DXers	0340	0330	Sweden	R Sweden	11705	9695	NA	We after 183 Tu/mo 11/13/90
DXers Unlimited	0445	0400	Cuba	R Havana	11820	11760	Americas	11/06/90
DXers Unlimited	0645	0600	Cuba	R Havana	11835		Americas	11/06/90
Ham Radio Today	0750	0700	Ecuador	HCJB	11835	9610	Eu	11/04/90
DX Special	1810	1800	Czechoslovakia	R Prague Int'l	9605	7345	Eu	11/12/90
DXer's Special	1820	1800	Argentina	RAE	15345	6055	Eu/Afr	10/27/90
DX Special	1940	1930	Czechoslovakia	R Prague Int'l	9605	7345	Eu	11/12/90
DX Special	2110	2100	Czechoslovakia	R Prague Int'l	9605	7345	Eu	11/12/90
R Sofia Calling	2315	2230	Bulgaria	R Sofia	11680	9700	W Eu	11/16/90
** DAY OF THE WEEK: Thursday								
R Sofia Calling	0045	0000	Bulgaria	R Sofia	11680	9700	NA	11/16/90
R Sofia Calling	0445	0400	Bulgaria	R Sofia	11735	9700	NA	11/16/90
** DAY OF THE WEEK: Friday								
Communicator	0430	0400	Australia	R Australia	21775	21525	As/Pac/PapMG	11/05/90
Mailbag	1905	1800	New Zealand	R New Zealand Int'l	15485		Pacific	11/25/90
R Sofia Calling	2145	2130	Bulgaria	R Sofia	9700	7155	Eu	1st of wkly series 11/16/90
** DAY OF THE WEEK: Saturday								
R Sofia Calling	0045	0000	Bulgaria	R Sofia	11680	9700	NA	11/16/90
DXer's Special	0135	0100	Argentina	RAE	11710		Americas	10/27/90
DX Party Line	0735	0700	Ecuador	HCJB	11835	9610	Eu	11/04/90
DX Party Line	0736	0730	Ecuador	HCJB	11925	9745	S Pac	11/04/90
R Sofia Calling	0745	0730	Bulgaria	R Sofia	17825	15160	W Eu	11/16/90
DX Party Line	1005	0730	Ecuador	HCJB	11925	9745	S Pac	11/04/90
DX Party Line	1905	1900	Ecuador	HCJB	25950	21480	Eu	11/04/90

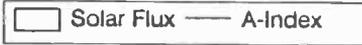
Solar Flux: Monthly Average Comparison of 1989 vs 1990



Solar Flux & A-Index: Oct-Nov 1990 Recorded from WWV



by Sundstrom



PC Software by W2XQ



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NEWS FLASH

Congratulations to Kris and Elaine Field on the birth of Daniel Gregory Field on November 11. Mom and baby are doing fine and Kris is looking forward to some dawn enhancement DXing.

NO COLLECT CALLS ON THESE ADS, PLEASE

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FOR SALE: Pennants from Europe, East Asia, and South America. Best offers. Write for list. Robbie Reeves, 215 SE 18th Street, Troutdale, OR 97060. Please include SASE for list.

FOR SALE: Kenwood R-1000 communication receiver. Tunes from 200 kHz to 30 MHz and has 4.0 kHz wide and 2.7 kHz narrow selectivity filters. Service manual included. Price \$250.00 including shipping. Drake TR7 transceiver. Tunes 1.5 to 30 MHz continuous. 6.0 AM, 2.3 SSB, 0.5 CW crystal filters. AUX-7 crystals for 10.0-10.5, 18.0-18.5, 24.0-24.5 bands. Service manual included. Drake PS-7 25-amp power supply, Drake MS-7 speaker, Drake SP75 speech processor. Price \$750.00 including shipping. Autek QF-1A audio filter, \$25.00 plus shipping. MFJ-929 antenna tuner/preamplifier, 1.8 to 30 MHz, \$30.00 plus shipping. KS preselector, 2 to 30 MHz, \$20.00 plus shipping. GA preselector, 4 to 22 MHz, \$15.00 plus shipping. I also have some parts, crystals, etc. for Drake SPR-4 that I will give to anyone who will pay the postage. Robert R. Zilmer, 210 Colorado Mtn. Road, Rio Rancho, NM 87124. Phone (505) 892-6461.

WANTED: Scott receivers by the Scott Transformer Company and Scott Radio Laboratories from 1925 to 1945. John Meredith, 1626 Lake Road, Apt. #188, Haslett, MI 48840. Phone (517) 339-4153.

WANTED: Radio Japan NRD-515. Will trade a Yaesu FRG-8800 with Kokusae filters or will pay cash and handling. Also looking for two-volume large scholarly work on clandestine broadcasting published by Praeger Publishing. Sorry, I don't remember the author. Any leads? I would also like to find a DX partner in Southern California to compare notes on Tropical Band DXing. I feel that I could get more out of my rig and need ideas. Scott Edwards, 11701 Regan Street, Los Alamitos, CA 90720. Phone (213) 583-9957 from 1900 to 2300 UTC.

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FOR SALE: Kenwood R-1000. Covers 150 kHz to 30 MHz with 4.0, 2.0, and 1.9 kHz filters installed by Radio West. Excellent condition. Price \$375.00 including UPS shipping. **WANTED:** 11.0-11.5 and 13.5-14.0 MHz crystals for Drake SPR-4 receiver. Bob Thunberg, 409 Burt St., DuBois, PA 15801. Phone (814) 371-7665.

FOR SALE: Kenwood R-5000 with upgrade YK-88A-1 (6 kHz) and EEB's IR-88H4.0 (4 kHz) filters and DCK2 (12v) DC power cable. Mint condition. Price of \$925.00 includes shipping in US lower 48 states. Dennis Sylte, 8503 Englewood Court, Manassas Park, VA 22111. Phone (703) 369-7068 from 2300 to 0300 UTC.

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