

NASA

The
Journal
of the
North
American
Shortwave
Association

Volume XXX, Number 2
February, 1990

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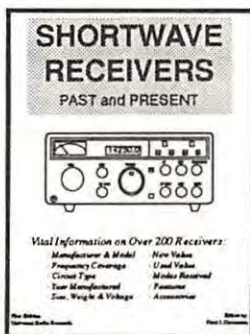
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From The Executive Director

Chuck Rippel
1272 Parkside Place
Virginia Beach, VA 23454
Compuserve 72571,1046



The introduction of last month's Journal was another page in NASWA's history. I hope you enjoyed both the increased content and new graphics layout as much as I did.

How many members listened to the reshaping of Eastern Europe via Shortwave these last few weeks? I received a very nice letter on the subject along with a clipping out of the Washington Post from member Frank Richardson of Annandale, VA. The article he sent featured the changes taking place in Eastern Europe and gave significant credit to the momentum of those changes being affected by International Shortwave Radio. There was a significant number of people listening to broadcasts from Radio Free Europe, the Voice of America and the BBC.

Members speak

I was very happy to receive a letter from member John T. Arthur who wanted to correct me on some NASWA history. John joined NASA (as it was then called) in 1962 along with Bill Eddings and was member #33. At that time, NASA was a General Coverage Club. John was kind enough to further enlighten me on a few points I was unaware of. Because his letter was quite lengthy, I am going to take excerpts from it.

"First and foremost, Bill Eddings was not the founder of NASWA. He guided and shaped it into what it had become, but he did not found the club. When we joined NASA in 1962, it was being run by Richard D. Roll, of Hamburg, N.Y., who has since dropped out of sight. The original masthead(s) showed that the first President and Founder was Sterling Pike, of Heart's Content, Newfoundland."

"The name *FRENDX* was the result of a competition run by Bill Eddings and was won by a British member (whose name I can't remember). It was a contraction of the club motto (Unity and Friendship) and the club purpose (DX). As I look at the January

1990 issue, I can't help but wonder if both of those items have been forgotten in the rush to modernize..."

Thank you for your contribution John! Since the time I joined NASWA in 1972 or so it had always been my understanding that Bill Eddings was the founder of the club. The facts you pointed out were very interesting to me and I am sure that the members will benefit from your information. I do take exception to your observation that we may have lost sight of NASWA's founding ideals. NASWA is a club which extends a helping hand to the beginner, supports the DX'er and active listener and recognizes the accomplishments of senior members. During the extensive planning for the changes that were made, our tradition of service to the membership was never forgotten. Again, thanks John. We appreciate your support and look forward to seeing you in the pages of the Journal in the future.

From member Alex Graham in Bartlett, TN came a phone call complimenting the staff on the new bulletin. Alex and I ended up having a nice conversation and found we had several things in common. One of which is that we both love that southern delicacy, Tennessee barbecue. The two of us did a little horse trad'n that ended up with 2 bottles of the best Tennessee barbecue sauce made showing up at my door. I guess that just goes to show that you never know where your radio hobby will lead.

I also received a very nice note via Compuserve from Harold Sellers, Chairman of the Ontario DX Association (ODXA) which was written in response to the new bulletin. I would like to share his thoughtful note with you:

"The Journal was received on Jan 16 and I wanted to send you an "official" ODXA message. Congratulations on the results of many months of hard labor and devotion by many people. The Journal is an outstanding

publication and one that all of you have every right to be very pleased with. We wish NASWA great success in its quest to bring the best to North American shortwave listeners. The Ontario DX Association looks forward to continuing a relationship of friendship, respect and cooperation with NASWA. As your colleagues in the shortwave hobby publishing field, we compliment the staff of NASWA and The Journal and say 'Well Done!'

Best Wishes, Harold Sellers, Chairman, Ontario DX Association."

On behalf of NASWA, I would like to thank Harold and ODXA for the support they have given to the organization. We look forward to continuing the relationship.

New Leadership

In September 1988, I accepted the position of Executive Director and placed a priority on the goals of reversing the steady member exodus and helping NASWA regain its position within the hobby. Thanks to your support and yeoman efforts, that

goal has been realized. Now is the time to look forward and sustain the momentum we have all generated.

As such, NASWA now has a need for a different type of leadership. By necessity, the whole of that leadership should be geographically closer to Headquarters in Levittown, PA. I have chosen to transfer my duties as Executive Director to Bob Brown in Lansdale, PA. Kris Field of Ambler, PA will be taking over for Bob as the Assistant Director. These changes will become effective February 1, 1990.

I fully intend to stay active within NASWA and will take over writing the Destinations: Africa column which Bob was scheduled to edit. Prior to DX'ing Papua New Guinea, shortwave broadcasting on the African continent has long been an interest with me.

I have appreciated the opportunity to lead the club and hope that you will continue and support Bob with the same enthusiasm you offered me.

See you in the Journal!

SHORTWAVE RADIO WEEK

March 12-18, 1990

Shortwave Radio Week will be observed between 12-18 March, 1990 and during the second full week of March each year hereafter. The week is listed in Chase's Annual Events, a book frequently consulted by media people as a source of story ideas.

This special week is being sponsored in the hope of attracting greater media attention to shortwave radio in all of its aspects and applications.

There are many ways in which you can participate. If you are employed in the media, you may devote airtime or print space to the subject during that week. Those not employed in the media can call the week to the attention of their local media or at least "tell a friend" about shortwave.

Stories built around shortwave as a source of foreign news, as a means of allowing ethnic groups to stay in touch with former homelands, shortwave as a teaching tool, as a boon to shut-ins, shortwave's attraction for travelers, musicians and so on would be very fitting.

Given some effort by all of us, we think Shortwave Radio Week will benefit everyone who has an interest in shortwave radio.

DXer's Forum

Rowland Archer
5524 Hawthorne Park
Raleigh, NC 27613
CompuServe 70075,117



Deep winter DX is upon us. January and most of February give North Americans their best shot at subcontinental and Chinese regional DX. This is the time to try for Nepal, and you'll need good selectivity to hear them on 5005 kHz around your local dawn. Their peculiar UTC + 5 3/4 hour time zone gives you a good clue towards an ID; not too many stations have time pips at 15 minutes after your local time! Dave Valko reported hearing Nepal on tougher 3230 from 1218-1225, 12/18/89 in Fine Tuning #542.

Bhutan is much sought after but seldom heard in North America, but they have also been logged by Ed Kusalik on 5023.4 from 1330-1550, with a "BBS" ID, as reported in FT #543. I have heard a het on 5023.4 but no audio yet; however Kevin Atkins in AL and Dave Valko in PA have both reported receiving audio so this is not limited to West Coast DXers.

Request for Travelling DX Ideas: several months back I ran an article about DXing on the road. It focused on what you should bring with you to get the most DX while travelling light and staying in hotel rooms. I have agreed to put together a compendium of such ideas for *Fine Tuning's Proceedings 90*. To make this a compendium, I need your input! If you DX while travelling, how about dropping a quick note or postcard describing your techniques, tips, equipment, etc. to me at the masthead address? Thanks!

A while ago I was reading Kap's column and noticed that our very own Harold Cones, Dr. DX himself, had received the second **Master Time Station DXer** award that Kap has ever issued. To obtain this award you must hear and verify 20 time stations. Most DXers quickly log WWV, WWVH, and CHU; they may stumble on a few others such as VNG, HD2IOA, YVTO, BPM or JYY. But when Harold told me he has verified 28 (!) time stations, I knew we had to have him write the definitive article on the subject. He came through with flying colors, giving us this month's feature article for your enjoyment.

DXing the Time Stations

by Dr. Harold Cones

On a flight from Atlanta several years ago, the pilot accidentally left the cabin sound system on after making some announcements. His conversations with the tower were audible and on one occasion he requested a time check. The tower asked him what airline he was flying for. "What does that have to do with the time?" the pilot asked. "Well," came the reply, "if you are flying Lufthansa, I will tell you it is 1700 hours. If you are flying Delta, I will tell you it is five o'clock. If you are flying Continental I will tell you that the big hand is on twelve and the little hand is on five. And, if you are flying Allegheny Commuter, I will tell you it is Tuesday."

On some occasions (the good ones), "Tuesday" is all the time reference we need. But for most of our lives, we have had our behavior dictated by the clock, and time has become one of the most important pieces of information we need to function in our daily existence. Even at that, however, the distinction between 6:03 and 6:05 is not important to most people — in fact, I would expect

if we could compare our watches now, we would find a span of five or more minutes.

But not all facets of our society, however, are happy with even slight variations in time. Take, for instance, NASA. The ignition of retro rocket engines must be precise if a space craft is to arrive at its intended location. Satellite tracking, as well as correct ocean and air navigation, rely on precise time. An astronomer must have precise time to accurately measure astronomical distances. Even Ma Bell must know the exact time, so that when millions of customers call the **Audichron Time-Weather-Temperature Service**, it will announce the same time, at the same time, everywhere. And lest we forget, Ma Bell also charges us for the time we spend on long distance calls.

Time is not a simple matter and is much more complex than we can discuss here. We can, however, be introduced to some of the basic ideas dealing with time. First of all, somebody had to decide what the standard would be and how to

The Voice of Time

Everybody wonders: does he actually sit there, day after day, announcing the time at WWV? The answer is no. His name is Don Elliot and he is the "voice" of the Audichron Time-Weather-Temperature Service. You will most likely hear him in your own home town if you call your local telephone weather service. He is from Massachusetts and has been associated with Cox Broadcasting and WSB-TV in Atlanta. WWV uses an Audichron system, much like your local telephone company, to announce the time.

measure it. That somebody was the International Committee of Weights and Measures. The standard unit, the second, was first based on a time percentage of the tropical year. As technology advanced, the second became based on the vibration rate of the cesium atom in what has become known as the atomic clock. Although extremely precise, current research suggests that perhaps the standard should be changed once again, this time to relate to the speed of light, which is even more constant than the atomic clock!

Secondly, the maintenance of accurate time is affected by variations in the speed of rotation of the earth, which may be caused by a variety of factors. The disproportionate distribution of continental land masses between the hemispheres and the associated "polar wobble" causes slight variations in the earth's rotational speed. Seasonal changes occurring on land masses may alter rotational speed, such as biomass displacement caused by leaves growing on the tops of trees part of the year, then falling down closer to the earth, at other times of the year. The displacement or elimination of resources, such as the denuding of the tropical rain forests, may cause slight speeding up or slowing down of the earth. Lunar effects, such as tides, are enhanced at certain periods of the year, and this also may affect the rotational speed of the earth. As with any rotating body, the earth's speed of rotation is affected by movement of masses on its surface. All these factors must be considered if extremely accurate time is to be maintained, and the atomic clock provides the standard reference against which to measure these changes. This standard reference remains constant and event changes are measured against this constancy.

THE BIRTH OF GMT

By the 1870's, time took on a new significance with the development of long distance rail travel. Most places in the world kept "local time", which was unrelated to any other city's local time. To avoid problems of scheduling caused by the chaotic time situation, each railroad established its own time zone, further adding to the chaos.

Sanford Fleming of Canada and Charles Dowd of the U.S. supported a newly devised system of worldwide time-keeping in order to facilitate rail and water travel. The proposal was to divide the world into 24 one-hour time zones, each about 15 degrees of longitude wide (the lines were drawn more in a practical fashion, rather than an accurate fashion), centered on the 0 degree meridian. Since this line, which represented standard time, was drawn by the Royal Observatory in Greenwich, England, to run through Greenwich, standard time became known as Greenwich Mean Time (GMT). The scale that refers to this classical universal time is termed the UT0 time scale. A system of worldwide time keeping was thus provided, and with further refinements and international agreement, the International Time Bureau coordinated standard time worldwide, thus establishing Coordinated Universal Time (UTC).

In order to keep true time accurate to within one second, a time scale that speeds up or slows down with corresponding changes of the earth's rotation must be used; this time scale is called UT1. UT0 is corrected to UT1 by the insertion of positive or negative "leap seconds" at internationally agreed upon times of the year. The need for insertion of these leap seconds is inferred from astronomical observations and corrects UTC times to within 0.9 second of UT1. UT1 is essentially UT0 corrected for polar wobble (responsible for the greatest variations); when UT1 is further corrected for seasonal and lunar effects on the earth's rotation, the result is UT2. UT0 and UT1 differ from UT2 by less than 0.1 second.

TIME STATIONS

Standard time is made available to the world through a series of radio stations that broadcast the standard time signals. Many of these stations, operated chiefly by observatories and national time bureaus, broadcast on shortwave. In addition to standard time, these stations also broadcast on a radio frequency standard, with standard tones and audio frequencies — the stations are, therefore, more correctly called *Standard Frequency and Time Stations*. Many employ voice announcements of the time and others use Morse identification. Some of these stations operate continuously, while others operate only at specific (and often very short) periods of time. They all, however, transmit a wide variety of useful information to a wide variety of users, and additionally, provide some interesting DX opportunities for the shortwave hobbyist.

By far, the most used frequencies are 5000, 10000, and 15000 kHz. As many as six or seven different time stations may be in operation on these frequencies at the same time. For most listeners, WWV and WWVH are the only things heard there, but careful listening (or ionospheric disturbances) can often reveal the others. WWV

has a "silent period" from 45 to 53 minutes past the hour when the tone modulation is not broadcast; this is an ideal time to listen for other stations sharing the frequency.

The challenge is there for those who seek it and NASWA has recognized that challenge by offering two time station awards.

For frequencies other than these three, it is often necessary to carefully plan a DX accident in order to hear a specific time station. The challenge is there for those who seek it and the North American Shortwave Association has recognized that challenge by offering two time station awards. The *Senior Time Station Award* is given for verification of ten time stations and the *Master Time Station Award* is given for twenty. Both awards specify that "a minimum of at least 1 station from each continent is required," and most DXers will find that Africa may be the most difficult to obtain (Antarctica is excluded for obvious reasons). I think you will find the chase every bit as enjoyable as any in the hobby. Propagation is just as important, and luck plays the same role that it plays when one is trying to catch a new and elusive Peruvian station.

In the table below, I have attempted to lay out a plan to help you acquire the NASWA time station awards. Additionally, I have constructed a master table that presents reception information on most of the world's time stations. Virtually all time station lists appear in country order, which makes drawing up a battle plan difficult, so I have listed transmission times in time order. Most of us, I think, listen in time order rather than alphabetical country order. Each list below should be used in conjunction with the Master Time Station Table to find alternate frequencies and transmission times.

Times in the following "award tables" are suggested listening times, and frequencies are the best suggested frequency. Monitoring over the last few months has shown the listed stations to be operating and audible at these times and frequencies in locations east of the Mississippi River. Monitoring information gleaned from hobby publications suggests that the same generally holds true for areas West of the Mississippi. [Ed. Note: I'll gladly publish any suggestions submitted by readers for hearing the time stations in the Western half of North America.]

QSLING TIME STATIONS

To obtain the time station award, the stations must be verified. Although many people wonder how a time station report should be written, I have found that writing a reception report to a time station is really no different than writing to any other shortwave station. The *World Radio-TV Handbook* (WRTH) lists addresses for most

The NASWA Senior Time Station Award

Your First Ten Time Stations

Your first ten time stations can be heard between 0000 and 0100, but you will not be able to satisfy the award qualification of "1 station from each continent" until a little later in the evening. The first ten are really a piece of cake and will go something like this:

USA	WWV	0000-0005	5000	North America
*Hawaii	WWVH	0005-0010	15000	Pacific
**Venezuela	YVTO	0010-0015	5000	South America
GDR	Y3S	0015-0020	4525	Europe
Czechoslovakia	OLB5	0020-0025	3170	Europe
Brazil	PPE	0025-0030	8721	South America
Canada	CHU	0030-0035	7335	North America
Ecuador	HD2IOA	0035-0040	7600	South America
***Argentina	LOL2	0055-0100	4856	South America
	or	LOL3	0055-0100	
Chile	CBV	0055-0100	8677	South America

- The female voice under the male WWV announcement
- ** The Spanish male voice just before the WWV announcement
- *** Not listed in WRTH — time pulses only — may be discontinued at some time in the future.

OMA CZECHOSLOVAKIA

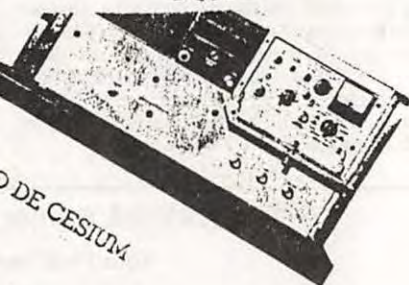
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Some Time Station QSL's to whet your appetite.

The NASWA Master Time Station Award

Your Next Ten Time Stations

The next ten are tougher and will call for very careful tuning and listening skills. They are there, however, but you may have to take a few evenings tracking them down. The first one is not so bad, but the others can be difficult.

USSR (Irkutsk)	RID	0130-0140	10004	Asia
Peru	OBC3	0155-0200	12307	South America
China	BPM	0551-0606	9351	Asia
Sri Lanka	4PB	0553-0600	8473	Asia
*Australia	VNG	0600-0630	15000	Pacific
South Africa	ZSC	0755-0800	17018	Africa
Japan	JJY	0825-0830	8000	Asia
USSR (Moscow)	RWM	0830-0835	9996	Europe
**Argentina	LOL	1100-1105	5000	South America
Brazil	PPR	1425-1430	8634	South America
— and for good measure —				
Spain	EBC	1029-1055	6840	Europe

- * Listen carefully for the male announcer at the quarter hour, half hour, and three-quarters hour — this is a very busy frequency at this time and you must be patient.
- ** Active in five minute intervals, so if you miss it at this time, wait five minutes and try again: tones for the first three minutes of the interval, then a few seconds of time correction tones, then a minute or so of slow Morse with the call sign (LOL), followed by a voice announcement — it is the Morse that is most often heard.

of them. The stations do not seem to be interested in your analysis of the very technical details of their transmission; a simple explanation of what you heard and when you heard it appears to be sufficient. They do welcome a SINPO report of your reception conditions. Be friendly in your report and honest in telling them why you are contacting them. Regardless of what the WRTH says, include return postage (except for WWV and WWVH) in the form of mint stamps (price list obtainable from NASWA member Bill Plum, 12 Glenn Road, Flemington, NJ 08822 for a SASE). The expenses of verification at most time stations come from donations of the employees and they appreciate your help with postage. Once you receive your QSL, a short thank you postcard is also welcome. Using these methods, I have a 100% verification rate for time stations.

If you are interested in applying for a time station award, do not forget to go through your QSL collection and look for some you may have QSLed earlier that no longer exist. Time stations disappear or change frequencies often as the country's need for them changes. To name just a few that have disappeared in only the last several years: DAM, DAN, and DAO from the German

Democratic Republic; FFH, FTH77, FTH42 and FTH87 from France; MSF from Great Britain; and ZMO and 2LF from New Zealand. A change occurred in the last year when YVTO changed its operating frequency from 6100 kHz to 5000 kHz. For award-counting purposes, you may also count WWV from Beltsville, MD (they moved to Fort Collins, CO in 1966), and Kap says that XEQK, La Hora Exacta (Mexico), on 9555 kHz, may also be counted towards the award. If you really become fascinated by time stations and want to know more about their precise operating details, obtain a copy of Gerd Klawitter's *Time Signal Stations*, available from many shortwave suppliers.

GO GET 'EM!

Chasing time stations is just another of the many facets in the shortwave hobby and one I think you will enjoy. Your loved ones probably already think you are crazy, spending all your time listening to static — at least now you will be able to tell them *exactly* how much time you are spending.

* * *

MASTER TIME STATION TABLE

Refer to the WRTH for transmission details.

0000	China	BPM	0000-1400	15000
	Brazil	PPE	0025-0030	8721
	Argentina	LOL2	0055-0100	4856
		LOL3	0055-0100	8030/17180
	Chile	CBV	0055-0100	4298/8677
	Indonesia	PKX	0045-0100	8542
PLC		0055-0100	11440	
0100	Korea	HLA	0100-0800	5000 (except Sat/Sun & holidays)
	Brazil	PPR	0125-0130	4244/4247.5/8492/8634
				12687/12738/17194.4/22352/22420
	Peru	OBC3	0155-0200	8650/12307
0200				
0300	India	ATA	0330-1230	15000
0400				
0500	China	BPM	0551-0606	9351
	Ecuador	HD2IOA	0500-1700	3810
	Sri Lanka	4PB	0553-0600	8473
	Philippines	NPO	0555-0600	4445/10440.5/12804
0600	Italy	IBF	0645-0700	5000
0700	Italy	IAM	0730-0830	5000
	South Africa	ZSC	0755-0800	4291/8461/12724/17018/22455
0800	India	VWC	0825-0830	12745
	Italy	IBF	0845-0900	5000
0900	Italy	IBF	0945-1000	5000
	Spain	EBC	0959-1025	12008
1000	China	BPM	1000-1800	5430 (every 2 hours)
	Spain	EBC	1029-1055	6840
	Italy	IAM	1030-1130	5000
	Italy	IBF	1045-1100	5000
1100	China	BPM	1100-2300	9351
	Argentina	LOL	1100-1200	5000/10000/15000
	Brazil	PPE	1125-1130	8721
	Italy	IBF	1145-1200	5000
	Philippines	NPO	1155-1200	4445/10440.5/12804
	Chile	CBV	1155-1200	4298/8677
1200	India	ATA	1230-0330	5000
	Italy	IBF	1245-1300	5000
	China	BPM	1251-1306	9351
	Argentina	LOL2	1255	4856
LOL3		1255	8030/17180	
1300	Sri Lanka	4PB	1323-1330	8473
	Brazil	PPE	1325-1330	8721
	Italy	IBF	1345-1400	5000

1400	China	BPM	1400-2400	5000
	Argentina	LOL	1400-1500	5000/10000/15000
	Brazil	PPR	1425-1430	4244/4247.5/8492/8634 12687/12738/22352/22420
	Italy	IBF	1445-1500	5000
1500	Chile	CBV	1555-1600	4298/8677
	Peru	OBC3	1555-1600	8650/12307
1600	India	VWC	1625-1630	4286
	Italy	IBF	1645-1700	5000
	South Africa	ZSC	1655-1700	4291/8461/12724/17018/22455
1700	Ecuador	HD2IOA	1700-1800	5000
	Argentina	LOL	1700-1800	5000/10000/15000
	Italy	IBF	1745-1800	5000
	Philippines	NPO	1755-1800	4445/10440.5
1800	Ecuador	HD2IOA	1800-0500	7600
	South Africa	ZUO	1800-0400	2500
	Brazil	PPE	1825-1830	8721
1900	Chile	CBV	1955-2000	4298/8677
2000	Argentina	LOL	2000-2100	5000/10000/15000
	Brazil	PPE	2025-2030	8721
	Peru	OBC3	2055-2100	8650/12307
	Argentina	LOL2	2055	4856
		LOL3	2055	8030/17180
2100	Brazil	PPR	2125-2130	4244/4247.5/8492/8634/8492 12687/12738/22352/22420
2200				
2300	Argentina	LOL	2300-2400	5000/10000/15000
	Brazil	NPE	2325-2330	8721
	Philippines	NPO	2355-2400	4445/10440.5/12804
2400				
	Continuous			
	Australia	VNG	5000 (10000/15000 from 2200-0700) (voice at 15th, 30th, and 45th minute)	
	Canada	CHU	3330/7335/14670	
	China	BPM	10000	
	Czechoslovakia	OMA	2500 (off 1st Wed. each month 0600-1200 for mtc.)	
	Czechoslovakia	OLB5	3176 (off 1st Wed. each month 0600-1200 for mtc.)	
	GDR	Y3S	4525	
	Hawaii	WWVH	2500/5000/10000/15000	
		VPS35	8539 (every odd hour at 15 & 45)	
	Hong Kong	HK	6679/8828/13282 (at 15 & 45 mins past every hour)	
	India	ATA	10000	
	Japan	JJY	2500/5000/8000/10000/15000	
	South Africa	ZUO	5000	
	Taiwan	BSF	5000/15000	
	USA	WWV	2500/5000/10000/15000/20000	
	USSR (Moscow)	RWM	4996/9996/14996	
	(Irkutsk)	RID	5004/10004/15004	
	Venezuela	YVTO	5000 (may use 6100 at times)	

L A T I N Destinations

Don Moore
20108 Hayes Road
Big Rapids, MI 49307



Bienvenidos amigos! Welcome to the Latin American section of Destinations. In each column we will take a look at some aspect of Latin American culture, or a particular country or region, and see how it relates to the shortwave broadcasting scene. Hopefully this will help all NASWA members better understand and appreciate our southern neighbors and their radio broadcasters.

Among the world's various regions, Latin America is very homogeneous - at least at first glance. It's a huge area, bigger than the USA & Canada combined, with a population more than twice that of our two countries. Most of the population speaks the same language, Spanish, or the closely related language of Portuguese in the case of Brazil. These countries share a common Iberian colonial heritage, and are predominantly Roman Catholic. For the moment, we're going to ignore Brazil, and the small pockets of Dutch, English, and French speakers, and concentrate on the Spanish-speaking nations.

Perhaps because of the surface similarities, those of us in Anglo-America easily make generalizations about Latin America. The region is often pictured as a sort of "greater Mexico". Yet, each country and group of countries are very distinct from one another. Food is a good example - after all, who doesn't like a plate of spicy enchiladas? But try to find some in South America. Mexican food is as foreign in Quito or Buenos Aires as jagerschnitzel; corn tortillas are unheard of, except as a specialty item. In fact, anywhere in South America if you ask for a tortilla you will be served an omelet. Each country and region has its own distinct cuisine. The hot spiciness we associate with Latin American food is in reality only found in Mexico, Bolivia, and southern Peru.

Latin American culture is a mosaic. One of the most important keys to understanding the pieces of this mosaic is to understand the different ethnic groups. Ethnologists divide Latin America into four groups: Euro-America, Afro-America, Indo-America, and Meztizo-America. Certain countries and parts of countries fit into each category. Let's look at these one by one.

Euro-America consists of Costa Rica, plus South America's so-called "Southern Cone" of Argentina, Chile and Uruguay. There were few Indians in these countries, and the early explorers found no gold or silver, only fertile soil and vast grazing lands. Spanish farmers and ranchers settled these countries. Later, from the mid-1800s to early 1900s, when millions of Europeans were immigrating to the US and Canada, equal numbers were moving to another land of milk and honey, South America's Southern Cone. Today, Yugoslavs, Basques, Italians, Germans, Poles, Czechs, even British - they are all found throughout the region. Some have done quite well, as the names of these former Southern Cone presidents attest: Montt, Frondizi, Galtieri, O'Higgins, Frei, Bordaberry, and Sanguinetti.

Afro-America is the smallest of Latin America's ethno-regions. For the most part, Indian peasants formed the backbone of Spanish colonial labor. African slavery was only widely used in the Caribbean. Today only the island nations of Cuba and the Dominican Republic are predominantly African in heritage. However, all the countries bordering the Caribbean have large Black populations in their coastal region - even extending down to Ecuador's Pacific coast.

The predominant ethnic groups in Latin America, and the most important for the DXer to distinguish, are Meztizo-America and Indo-America. These are what make Latin-America unique from any other place in the world. Meztizo-America refers to people of mixed race,

usually Indian and European. Today in Latin America, October 12 is celebrated as a national holiday in most countries, but not to honor Columbus. Instead it is called Dia de la Raza (Day of the Race) to commemorate the founding of the Meztizo race. When the Spanish conquered Latin America, far more men came from Europe than women. Most of the men took Indian women as their brides or concubines. Indian and Iberian blood mixed, forming the Meztizo race. In Venezuela, Colombia, Paraguay, Honduras, Nicaragua, and El Salvador, the populations are mainly Meztizo. However, the definitive Meztizo country is Mexico, where the ideal of the new Meztizo race is an important part of the national identity. Yet, pure-blooded Indians are still the inhabitants of much of southern Mexico.

Finally, we come to four countries of primary interest to DXers. Each is usually classified as Indo-America, although in reality, each has both a large Indian and Meztizo population. First, let's look at the three South American countries of Ecuador, Peru, and Bolivia. The Andes Mountains in these countries formed the heart of the ancient Inca empire. When the Spanish came, the Indians had a strong common culture; the colonial feudal system could not destroy it.

Today the Indians remain the main inhabitants of the Andes, from Ecuador, through Peru and Bolivia, to northern Argentina and Chile. The Spanish did leave their mark, however. Meztizos are the dominant population of the coastal plains and large mountain cities such as Quito and La Paz. More importantly, they control the governments and economies. Meanwhile, a new melting pot is forming east of the Andes as new roads are allowing poor Meztizo and Indian peasants to carve new farms out of the previously unpopulated Amazon lowlands. The last Indo-America country is Guatemala. As with the Incas, the Spanish found the Mayan Indian culture to tough to destroy. Although the southern, eastern, and northern lowlands are predominantly Meztizo, Guatemala's western highlands and Verapaz region remain firmly Mayan.

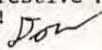
To the DXer, this background knowledge about Latin America's ethnic makeup explains a lot about the Latin American shortwave scene. First, there's location. The towns and cities in the Andes Mountains have always been hotbeds of shortwave activity. This region is very underdeveloped economically, the terrain is rough, and the rural Indian population is very spread out. Shortwave is necessary to reach all the potential listeners. Meanwhile, the Meztizo dominated coastal plains are more urban and more developed. There, a radio station can get along quite fine with only AM and FM. This is not to say that no coastal stations use SW, and all mountain ones do. But a perusal of the WRTH will show that that is the overall trend. Similarly, Indian Guatemala has almost as many active SW stations as the rest of Central America combined.

The music we hear on Latin America's SW stations also follow regional-ethnic trends. The Andean music associated with Ecuador, Peru, and Bolivia belongs to the Indian peasant people. Especially in the mornings, when the peasants are more likely to be listening, we usually hear that music from stations in the mountain towns. However, stations broadcasting to the Meztizos of the coast and new Amazon settlements will play the Meztizos' favorite style of music - hot tropical rhythms. Likewise, tropical music is popular with the meztizos of Colombia, Venezuela, and Central America, while the Guatemalan Indians like their own typical marimba music. Of course, there are exceptions. For example, some stations in coastal cities like, Lima and Guayaquil, play Andean music for the Indians who have moved to the city in search of jobs. But again, that doesn't alter the overall pattern.

Understanding how the pieces of the Latin American cultural mosaic fit together should make it easier to appreciate what is heard, as well as to make tentative identifications of stations heard, even if you speak no Spanish.

Before I sign off for this time, one quick listening tip. Carnival this year falls on Tuesday, February 27. Carnival, and the several days leading up to it, are a good time to tune the tropical bands looking for Latin American stations. Even if you don't hear any new stations, you are guaranteed a lot of festive high-spirited programming!

Hasta luego!



Listener's Library

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Welcome back to the Listener's Library! We've had a number of nice notes and contributions from NASWAs, as well as several questions about the Library. We'll deal with one of the questions this month and then get to the contributions.

In January's column, I mentioned "Inter Library Loan" several times and at least a few folks were not aware of that service. Inter Library Loan service (ILL) is available, usually free, from virtually any city, town or college library in the US and Canada. If you wish to use a book that your local library does not have, ask about ILL at the main circulation desk. You have to supply the library with the normal bibliographic information about the book or magazine you desire. The librarians then use their computers to access one of several data bases; they search for the nearest library which has the book that you requested. The library having the book then ships it to your local library. When it arrives at your library, the staff calls you and you check the book out in the normal fashion. Usually, you can only keep this "foreign" book for one or two non-renewable weeks. If you only need to see a few pages from a particular book, the "foreign library" will often photocopy the pages and ship those to you via your own library. The same photocopying service is available for articles from the bound volumes of magazines. The ILL service is one of the most useful services of any library. From a very small local library, you can access virtually any book held in any library in the US and Canada. Just make sure that your bibliographic information is accurate.

As long as we are talking about photocopying of copyrighted material, here are the common rules:

Under certain conditions specified in the law, libraries and archives are authorized to furnish a patron photocopies or other reproductions of copyrighted information or to

allow a patron the same privilege. One of these specified conditions is that the photocopy or reproduction is not to be "used for any purpose other than private study, scholarship, or research." If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of "fair use," that user may be liable for copyright infringement.

So, there are very common circumstances (personal use or study) where you may copy protected information. Mostly, though, just remember that an interested, helpful librarian can use the ILL service to help you get virtually any book or magazine in the world.

Well, To The Shelves:

Most shortwave enthusiasts are quite interested in antenna design. In recent years, wave or "Beverage" antennas have re-emerged as the antenna of choice for DXpeditions and for those folks lucky enough to DX regularly from large acreages. The best single source of technical design information on Beverage antennas is *The Beverage Antenna Handbook (Second Edition)* by Vic Misek, W1WCR.

Mr. Misek's book is very readable and covers single wire Beverages as well as phased two wire Beverages. The Second Edition (1987) covers an additional decade of active experimentation since the original 1977 publication. Misek covers phasing units and various termination techniques, as well as thoroughly discussing his own designs of the "Steerable Wave Antenna." Many people believe that the highly directional Beverage antenna "only works on medium wave and LF bands." Mr. Misek and others have used them with very good results as high as 7 MHz. If you use Inter Library Loan, make sure to specify the 2nd Edition (1987) (Contributed by Bryant).

David Clark of Ontario provided another super contribution this month: You may be familiar with Grenada Television's (Britain) award-winning program "Disappearing

World" shown in the US on PBS. By documenting and exploring tribal ways of life which are rapidly shifting and blurring under the impact of the late 20th century, "Disappearing World" has been a twenty-year-long combination of serious visual anthropology and popular television.

Until now "Disappearing World" could be seen only on the screen. Now, the book is available. It draws upon Grenada TV's unique archive of interviews and photographs. Chapters, under a series of thematic headings, penetrate the lives of the tribal peoples filmed in the series. Peoples featured include almost all of the remaining tribal cultures of the world, from the Sami of Norway to the Quechua of Peru; many African cultures are included, such as the Ashante of Ghana, the Taureg of Algeria and the Masai of Kenya. Many South-east Asian cultures are included as well.

Extraordinary photographs, the authentic voices of remote peoples, and the insights of some of the world's leading anthropologists make this book a valuable asset for any international radio enthusiast.

The Map Room

Most libraries also contain maps, often in a Map Room. This month our Map Room features a "freebie." There is now a new version of the "Pacific Island Nations and Their 200 Mile Exclusive Economic Zones." It is jointly produced by the State of Hawaii and the Pacific Basin Development Council. The overall dimensions of this map are 23 by 31 inches, and the image area (what it can be trimmed to) is 19³/₄ by 27³/₄ inches. If you want to obtain a single free copy of this map, you can request it from the State of Hawaii Information Office, Department of Business and Economic Development, PO Box 2359, Honolulu, Hawaii 96804. (Contributed by David Clark)

Libraries are usually very helpful to authors, and NASWA's is no exception. Four well-known DXers are editing and steering "collective" or compendium articles for fine tuning's Proceedings 1990. The Journal's own Rowland Archer is ram-rod-ding a collective article on equipping "The Travelling DXer." This will be a wider ranging version of his

recent article in DXers Forum on his own DXer's Travel Kit. If you have found some successful ideas, Rowland would really appreciate a contribution. His address is 5524 Hawthorne Park, Raleigh, NC 27612.

A similar "collective" article on DXpeditions is being managed and edited by Nick Hall-Patch. Nick is Technical Editor of the medium wave club, IRCA and is a rabid DXpeditioner. If you have developed any unique ideas of "the easy way" to do any of the major things related to DXpeditions, please drop Nick a short note. Send contributions to Nick Hall-Patch, 1538 Amphion, Victoria, BC, Canada, V8R 4Z6.

Our third author/editor in need of help is Guy Atkins, the designer of our new NASWA logo. Guy is writing the PROCEEDINGS compendium on updating and modifying the NRD 515 and NRD 525 receivers. If you have made ANY successful modifications to either one on these fine receivers, please write Guy with the details. He'll put your contribution in formal language and prepare it for inclusion in PROCEEDINGS 1990. Send contributions to Guy Atkins, 205 SW Clark, #C-4, Issaquah, WA, 98027.

The fourth Proceedings Compendium being compiled this year is the SONY ICF-2010/2001D modification article being compiled by NASWA's Gordon Darling. Rowland carried the announcement of the 2010 effort in December's DXers Forum. In case you missed the announcement, contributions of 2010 mods go to Gordon Darling, P.O. Box 3474, Boroko, N.C.D., Papua New Guinea.

PLEASE NOTE: The Due Date for contributions to each author/editor are 1 March 1990. Give these budding authors and PROCEEDINGS 1990 a hand!!

The Librarian is delighted with NASWA's new reprint service. Now our new members have a chance to see some of the timeless material from NASWA's earlier years. For more information, see *The Company Store* column, or write to Don Moore, 20108 Hayes Road, Big Rapids, MI 49307.

That about wraps up our visit to Listener's Library for this month. If you run across any neat things for the Library, be sure and let the Librarian know. 73's and good reading!

- BIBLIOGRAPHY:** Misek, Victor A., *The Beverage Antenna Handbook*, 2d ed., (Hudson, N.H.: V. Misek, 142 Wason Road, Hudson, N.H., 1987)
Singer, Andre, *The Disappearing World*, (London, Box Tree, 1989)

Listener's Classroom

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



Welcome to *Listener's Classroom* for February. Our question for this month comes from Mike Hawk of Hampton, Virginia. Mike is a long time NASWA member and enjoys his hobby locally through the *Old Dominion DX Association*. Although Mike became a radio amateur last year, he is still a very active shortwave listener and a QSL collector. He has encountered a problem recently, however, and wrote *Listener's Classroom* for some help. "In spite of everything I have tried, I can't seem to get QSLs from Peru--what is the secret to QSLing the Peruvian stations?"

When QSLing technique is mentioned, one name immediately comes to mind: Gerry Dexter. Gerry is the internationally recognized expert on the art of QSLing and literally wrote the book on the subject, *Secrets of Successful QSL'ing* (\$9.95 plus \$2.00 postage, Tiare Publications, P.O. Box 493, Lake Geneva, WI 53147). In response to Mike's question, Gerry made the following comments:

A certain degree of masochism is required of anyone who is into QSLing, especially when it comes to prying replies out of Latin America and, most especially, Peru these days. The reply percentage from Peru has nosedived over the past two or three years to a point where it is almost nil. It seems to be a combination of the terrible economic situation and the terrorist war being waged by the Shining Path guerrillas.

There's a small ray of hope for those who'd be satisfied with just one reply so as to cross Peru off the unverified list. The best bet would be to concentrate on the handful of stations which have had fair response patterns over the years--Radio Atlantida-4790, Radio Tropical-4934, Radio Los Andes-5030 and a few others. Watch Sam Barto's QSL column in *The Journal* to see what stations are replying and then report to them.

There aren't any special enclosures or magic phrases that will do the trick here. QSLing Peruvians has become a gritty business. It may be a tired old phrase but "patience and persistence" applies to QSLing Peruvians--and it's never been more apropos!

Thank you for your response, Gerry, and I would wager it has been helpful to many of our readers.

And speaking of Peru, I attended a concert recently by *Sukay*, a group specializing in the music of the Andes Mountains. They played the music of the ancient Incan Empire on traditional pan pipes with exotic names like *antara*, *sicus*, and *rondador*; on notched flutes such as the *kena*, *choquellas*, and *lechewuayos*; and on a selection of drums and rattles called *tinya* and *ch'ullus*. Spain's influence on the Andes was represented by the guitar and other stringed instruments. Featured was a hybrid instrument, the *charango*, a native stringed instrument fashioned from the shell of an armadillo. It was a fantastic evening of traditional Andean music--exactly like listening to the sunrise Peruvians, except the signal was strong and there was no static. The group has made five tapes and sells the actual folk instruments, as well as video taped lessons on how to play them. To receive a list of their offerings, write *Sukay*, 3315 Sacramento Street, Suite 523, San Francisco, CA 94118.

I hope I hear from you next month.

Company Store

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



The Company Store grand opening was a big success. Thanks to all the many NASWans that have written or called. As the Company Store moves into its second month of operation, we have a number of interesting additions to the product line. Keep reading!

Anybody can be a DXer provided they are properly dressed for the occasion. To the right are Jennifer and Adam D'Angelo, ages 6 and 9, respectively. Shortwave radio took on a whole new meaning with a NASWA Company Store sweatshirt and T shirt. Now if we can only get their mother interested!



IMPORTANT ANNOUNCEMENT

Thanks to the folks at fine tuning, the NASWA Company Store has available a number of relevant hobby related items for distribution. The fine tuning Special Publications group developed a number of excellent hobby aids that are extremely useful to today's radio enthusiast. These items are now available to the hobby community exclusively through the NASWA Company Store.

The Spectrum Log - International Broadcast Band Edition:

This expanded version of the original Log was developed by Rowland Archer using Ventura Publisher and a personal computer. The International Broadcast Band Edition covers the 49, 41, 31, 25, 21, 19, 16, 13 and 11 meter international broadcasting bands. The Log is 41 pages and costs US\$6.00 plus US\$1.00 shipping.

The Spectrum Log - Tropical Band Edition:

This older sibling to the International Broadcast Band Edition is the original version created by John H. Bryant with updated graphics courtesy of Rowland Archer. The Log covers 120, 90, 75 and 60 meter tropical broadcasting bands. This version of the Log costs only US\$2.50 plus US\$1.00 shipping.

The sheets included in The Spectrum Log are intended to be master originals which the user may photocopy for personal use. For those hobbyists ordering both editions at one time, we have a special offer. Order The Spectrum Log - International Broadcast Band Edition and the Tropical Band Edition for only US\$7.50 plus US\$1.00 shipping. The NASWA/fine tuning Spectrum Log was contributed to the NASWA Company Store by Rowland and John.

The Propagation Predictor:

For those that like to follow propagation trends, the fine tuning gang developed the Propagation Predictor. It consists of two 11" x 17" originals for photocopying. The two page Predictor divides the calendar year into 27 day segments for tracking recurring solar patterns. A definite benefit for those keeping tabs of the WWV propagation announcements at 18 minutes past the hour.

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

The System:

Consisting of four 8 1/2" x 11" originals for photocopying, The System was designed to provide high quality masters to help hobbyists track a myriad of useful hobby related information. The Reception Report - QSL Log is used to record reception reports mailed to stations in a systematic, orderly fashion. The Log Book is a serious improvement over the many inadequate systems developed by commercial enterprises. The QSL Reports provides a form for reporting QSL information to the editors of many of the major clubs. Finally, the Program Note pages provide plenty of room for recording those important reception details for your reports to the stations.

The Propagation Predictor and The System are priced to sell at only US\$2.00 each. You can order either item for only US\$1.00 each when placing an order for any other NASWA Company Store item(s).

Sweatshirt and T Shirt News

Member Bob Wolf of Altoona, PA was the first to place a sweatshirt order. His order arrived one day after The Journal arrived in my mail box! Diane Van Beck was a close second with her order for a sweatshirt and a T shirt arriving the next day. Obviously, Bob and Diane are good friends with the local post office!

Catalogue News

The first edition of our Reprint Service Catalogue is now available. Remember, catalogues are available for only US\$1.00 from the Company Store Headquarters. Included in the catalogue are approximately 100 reprints published in *Friendx* over the years. Among the many topics covered are receiver reviews, antenna articles, propagation, station features, etc. Detailed ordering information is contained in the catalogue.

Be sure to take advantage of this excellent hobby resource developed by our Reprint Service Manager, Don Moore.

Winter SWL Festival

We hope to see many of you at the Winter SWL festival in Kulpsville, PA 23 - 25 February 1990. Many of the clubs staff will be present including Executive Director Chuck Rippel, Assistant to the Executive Director Bob Brown, Editor-in-Chief Harold Cones, Contributors' Page Editor Kris Field, QSL Reports Editor Sam Barto and Publisher Bill Oliver.

The Company Store will be there with a supply of NASWA royal blue sweatshirts and T shirts, catalogues, Spectrum Logs, Propagation Predictors and The System. Stop by and say hello.



There is plenty of room in the Company Store computer for your order.

Sweatshirts are just US\$20.00. T shirts only US\$11.00. Both are available in small (S), medium (M), large (L), and extra large (XL). There is an additional US\$2.00 and US\$1.00 charge, respectively for extra, extra large (XXL).

After receiving your sweatshirt or T shirt, don't be shy. Send in a picture to the Company Store for publication in *The Journal*. High contrast black and white pictures reproduce best.

73 - RAD

Easy Listening

Alex Batman
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Boone, NC 28607

Unless you have been dead for a while, or with Charlie Loudenboomer on his mountain top in Tibet, you probably know that there have been a lot of political and social changes in Eastern Europe over the last few months. In Czechoslovakia, The German Democratic Republic, Bulgaria, and Romania, the old hard line regimes have fallen. New, reform minded politicians have come forward with new ideas and promises of free multi-party elections beginning as early as next spring. As you might suspect, along with the social changes in those countries there have also been changes in Eastern European Broadcasting. I thought it might be interesting to devote a column to what is new. For the last month, I have been concentrating my efforts on four stations: Radio Prague, Radio Berlin International, Radio Bucharest and Radio Sofia.

Radio Prague

Perhaps the most significant change on Radio Prague will go into effect February 1 when the station plans to begin using it's new interval signal. The old interval signal was closely associated with the Communist Party. It has been dropped in favor of what is actually a very old interval signal, one the station used in the period 1936 - 1939 before the partitioning of the country and the German invasion. The new interval signal is the leading two bars from the first movement of Dvorak's New World Symphony. The new interval signal should be in use by the time the Journal is in the hands of readers.

In the area of programming, the most obvious change is in the area of the news and current events sections. The format is still essentially the same as the old, ten minutes of news followed by ten minutes of currents events features however the subject matter is considerably different. Most of the news has featured political developments in Czechoslovakia, government reforms, Round Table discussions between the government and the opposition parties all centering around the new found freedoms after what Radio Prague terms "the gentle revolution." There was even a 5 minute tribute to Jan Pollach, the Czech student who burned himself to death in protest of the 1968 invasion of the country by the Soviet Union.

Earlier this month, the station broadcast an appeal from the new government for Czechoslovak emigres to return to the country and help build a new, modern democracy there. But for all the changes in editorial freedom, news and current affairs tend to have an understandably domestic focus. One notable exception was a brief editorial on the U.S. invasion of Panama during which the station criticized and termed it a violation of international law. Six months ago such rhetoric might have been discounted as merely an Eastern Bloc reflex. Now, however, such commentary has new meaning keeping in mind that it is an opinion shared by many governments who are not as tightly clutched in the communist fist of what was once a solid Eastern Bloc.

The changes have been more subtle in the feature programs. Most of the programs traditionally associated with Radio Prague have remained the same—*Mailbag*, *The Arts in Czechoslovakia*, *Economic Report*, *Scrapbook*, etc. There has been some shifting of these programs to various nights of the week and I suspect it may take a little while before there is a truly predictable pattern. Some new feature programs have also been added, including *Readings from Czech and Slovak Literature*, which actually began to air shortly before the "revolution"

and a new program for women- *For and About Women*. Maybe more significant are the two programs that have been dropped. One of them, *Reflections on War and Peace*, was a rather typical East Bloc propaganda program (NATO bad; Warsaw Pact good). The other program that apparently has been dropped is *The World Federation of Trade Unions Calling*, which used to feature the activities of Marxist oriented trade unions.

'If you're not in North America, there's probably something wrong with your radio.'

In addition to the feature programming and the new/current affairs section, there also seems to have been and increasingly large number of brief interviews with politicians, civic leaders, and visiting delegations from one western country or another (including the U.S.). One change in style that was tried only briefly was the sense of humor Radio Prague seemed to be trying to cultivate a la Radio Nederlands. For a few days, station ID's between programs were on the order of: "This is Radio Prague, Czechoslovakia broadcasting to listeners in North America. If you're not in North America, there's probably something wrong with your radio." It was a nice try, but they never quite got the hang of it. I haven't heard anything like that in few weeks, so I guess they thought better of it.

Radio Berlin International

The changes at Radio Berlin International seem to have been less extensive than Radio Prague though the E. German hard liners fell almost a month before the Czechoslovaks did. The most obvious difference, again, is in the news and editorial sections of the program rather than in the feature programming though there have been some slight changes there as well. Like Radio Prague, RBI's news and current affairs tends to be nationally-oriented rather than internationally. Much of it also concerns Round Table discussions with the government, preparations for free elections in the spring, interviews with visiting foreign delegations and

with emerging leaders of new political parties in East Germany. For now, much of RBI's attention seems to be devoted to the emergence of neo-Nazism in East Germany. This has come about as a result of the removal of strict censorship and enhanced communication across the border with West Germany where the neo-fascist Republican Party has been a growing concern for West German politicians for almost a year. It makes sense that a neo-Nazi movement with its hard-line anti-communist stance could make more significant strides in a country that has been under the communist thumb for the last forty years. Of late, Radio Berlin has devoted considerable time to report on "massive demonstrations" against the neo-fascist movement. For years the Honneker regime labeled the Berlin Wall the "Anti-Fascist Wall," claiming the real purpose of the wall was not keep the population in but the fascist out. During a recent editorial about the Wall, RBI admitted that calling it the "Anti-Fascist Wall" had been just so much government propaganda and further suggested that maybe an emotional and intellectual "anti-fascist wall" rather than a physical one might not be such a bad idea.

Feature programs remain much the same. Two new fortnightly programs, one on the ecology, and one on women's issues, have been added for 1990. *Panorama*, featuring various co-operative efforts between the socialist countries and *The Land We Live In*, which most characteristically dwelt on what an ideal life could be lived in a Marxist society have both been dropped. *Pop Corner*, now called *Sounds Around* has been given ten minutes instead of five. *Mid-Week Sports Report*, *RBI DX-Club*, *Sports Round-up*, and *Thank You for Writing* have all been retained.

* * * *

Next Month: Radio Bucharest and Radio Sofia.

NASWA Portraits

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CompuServe 73677,2351



Something is amiss here. It is the middle of January, and I was just out in shorts and a t-shirt, washing and waxing my car! Seems that the weather gods have something screwed up! Oh well.

First this month, please let me express my regards to our out-going Executive Director, **Chuck Rippe**. Chuck has done a wonderful job in the last 2 years with **NASWA**, and has been a driving force in our new look. With many accomplishments behind him, he is now looking forward to a well deserved vacation. *My best to you, Chuck, and thanks for everything!*

Second, my congratulations to the incoming director, **Bob Brown**. As most of you know, Bob is the moderator of the ANARC SWL Net on Sunday mornings, and promises to continue on with the good works of Chuck. *Gentlemen, many thanks to you both!*

In the mailbag this month, we hear from **KIRK ALLEN**, of Ponca City, Oklahoma. Many of you know Kirk from his work with *FINE TUNING*. Kirk writes...

"I was born at a very young age, and I 'spose that's why it took me so long to discover the fascinating hobby of SWBC DXing. I became interested in radio at the age of 13 thanks to my junior high electricity class. I constructed a little crystal radio and was amazed that I could actually hear Mexico on it. On thing led to another and I eventually owned a Sears portable receiver with several shortwave bands on it.

"I had no real DX knowledge at that time, but nevertheless enjoyed hearing some of the major SWBC broadcasters. My first QSL was from HCJB (and interestingly it seems many other say the same thing!). I eventually obtained a novice ham license and "hammed it up" for several years with the call WNSFNT...but alas, the call of the wild got to me. The next several years were occupied with parties, chasing women, etc.



Kirk Allen of Ponca City, OK

a radio nut, I suppose. Christmas 1981 came, and I received a gift that got me back in the listening hobby again...but this time it led to more expense than I ever dreamed it would. I eventually obtained a NRD 515 in 1982 and I haven't been the same since, hi! I still use the 515 as my only receiver plus a home-brew antenna tuner and a random wire antenna that is about 40 meters in length. I have plans of putting up an improved antenna ASAP.

"An interesting story regarding the antenna tuner...the parts in it once belonged to the current transmitter in use by Radio Luz y Vida in Honduras (before that, they had it on shortwave briefly). The 'main man' of the station, Don Moore, is originally from Blackwell, Oklahoma, about 15 miles from here! Parts were removed for various reasons, and eventually made their way to me - and the darn thing actually works!

"Currently, my main interest is Tropical Band DX'ing. I especially like to listen for the Latins and Indonesians. I think what impresses me the most about our hobby is the quality of the people involved. I have made more friends in the last 8 years than I ever had before. Being such an obscure hobby, we all need to stick together and I feel that fussing and fighting have NO place in this hobby!

"If there would be just one tip I could give newcomers to the hobby, it would have to be this: Don't depend on lists when you're listening and trying to ID a station. Lists are fine as a general guide only. When I finally put the lists in their proper place, I began to depend on my ears as the source for IDs. The ears can play tricks but the power of suggestion can do the same!

Depending on the ears is a great way to further one's DX'ing skills. With patience, patience and more patience, we can all become more accurate in our listening abilities. But, most of all enjoy!"

That wraps it up for this month. I am looking forward to hearing from you soon!
--73, Tom

"But, once a radio nut, always

the CPRV page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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

To Australia this month. The two cards on the left are from the precursors of the Australian regional stations which have been regular logs for many years. The bottom card is from VK6ME, which was located in Perth and was one of the family of three "ME" stations active in the 1930's, the other two being VK2ME in Sydney and VK3ME in Melbourne. They were operated by Amalgamated Wireless Australia. Note the distances from the station to various cities that are listed on the card. Distance in miles was a common way to "rate" a DX catch in the early days of the hobby. +++ The top card was used for verifying regional transmissions after the formation of the Australian Broadcasting Commission. +++ Australia's entrance into international broadcasting was on December 20, 1939 when the ABC's "Australia

AUSTRALIA

VLG 2470 mcs. 31.3 kw.
 VK2ME 2460 mcs. 31.3 kw.
 VK3ME 2460 mcs. 31.3 kw.
 VK6ME 2460 mcs. 31.3 kw.

Dear Listener,
 We acknowledge with grateful thanks your report on our transmission for **Tuesday, August 11th, 1941 at 7.30 a.m. P.S.T.** on a frequency of **11.9.680 mcs.** Please enclose this card if possible.

Official Verifications of Reception

We attach great importance to reports from listeners and are glad to hear from you in the future.

The Manager
AUSTRALIAN BROADCASTING COMMISSION
 Sydney, Australia

AUSTRALIA CALLING!

THE WORLD AROUND AUSTRALIA

FROM
VLG
 MELBOURNE

OFFICIAL VERIFICATION OF RECEPTION

ON 4.6.15.47 mcs. - 2450-10400 K.S.T. 8/22/41
 BY Mr. Claude P. G. 1000 U. Kensington Rd.
 Los Angeles, Cal.

VERIFIED BY R. B. B. B. B.

VK6ME PERTH WESTERN AUSTRALIA

Western 193 Mhz. 31.3 kw.
 Power 20 watts transmitted to the aerial.

A.W.A.
 Owns and Operates
 Seven Wireless Services to Great Britain, The Continent of Europe, and North and South America, Sixteen Wireless (Picturegram) Services for the maintenance of Picturegram Services to Great Britain and the Americas, Group Britain, The Continent of Europe, North and South America, Seven Radio Services to Australasia, France, New Guinea, and the Pacific Islands, and the manufacture of spare parts of the Australian International Station.

Radio Service, Works for the manufacture of spare parts of the Australian International Station and Seven Wireless Services to Great Britain, The Continent of Europe, North and South America, Sixteen Wireless (Picturegram) Services for the maintenance of Picturegram Services to Great Britain and the Americas, Group Britain, The Continent of Europe, North and South America, Seven Radio Services to Australasia, France, New Guinea, and the Pacific Islands, and the manufacture of spare parts of the Australian International Station.

WORLD-WIDE BROADCASTING SERVICE

AMALGAMATED WIRELESS (A/SIA) LTD.
 AUSTRALIA'S NATIONAL WIRELESS ORGANISATION

CITY	DISTANCE (MILES)
London	8113
New York	11425
Chicago	8178
San Francisco	9175
Los Angeles	8389
India	7153
Singapore	6384
Canton	5347
Cebu	5176
Hongkong	5184

Calling" service was inaugurated using two low-powered AWA transmitters near Sydney and a 2 kw. Australian Post Office station at Lyndhurst near Melbourne. The service took the now-familiar name Radio Australia six years later. The QSL shown is from 1941.

If you are interested in stickers for your QSL albums, expressing the wish that your QSL's be donated to the CPRV when you are no longer able to enjoy them, send a business size SASE to CPRV Registered Collections Coordinator John C. Herkimer for full details. His address is P.O. Box 54, Caledonia, NY 14423. Till next time -- *B*

Listener's Notebook

Bruce MacGibbon
2295 Juniper Avenue
Gresham, OR 97030



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AFGHANISTAN - Radio Afghanistan heard on 4975 kHz. Monitoring research 13 Jan 90. Radio Afghanistan's domestic first programme was observed at 1700 gmt on 13th January on 4975 kHz in parallel with the regular 4740 kHz outlet. The station was not traced on its 3965 kHz channel. Noted 4740//4975 at 0157 till 0200 when lost in QRN on 1/24 (bmm)

AUSTRALIA - The ABC outlets from Perth on 6140, 9610, & 15425, are to be eventually moved to another site. Land is to be zoned residential where the current site is located. One suggested site is Muchea which is about 80 km north of Perth. It is not known when this relocation will take place. (Craig Tyson, Australia in 'Shortwave Station News' in ADXN 1/90)

Radio Australia Program Guide. Just received after I mailed last LN! News: Australia, Asia, the Pacific - and the world at large - reported accurately and impartially. 0100 UTC, then bulletins every two hours. International Report: Analysing, backgrounding and interpreting regional and global issues and events. 0000 UTC then every two hours.. Agri News: Tue 0930, 1530 & Thu 0530, 1130 - News about agriculture and primary industries of the Asian/Pacific region. Presented by Denis Gibbons. Arts Roundabout: Sun 1030, Thu 0930, Sat 0530. At Your Request: Sun 0130, Thu 0630, Sat 1930 & 2330. - Dick Paterson plays your favourite music. Write or ring our Openline - +61 235 2360 - with requests. Australian Country Style - Sun 0630, Fri 0913 - Eric Scott surveys the Australian country music scene. Back Page - Sun 0313, 0430, 2313 & Mon 0913. - Sporting Issues of the Asian/Pacific region covered by Brendon Telfer. Book Reading: Sun 1730, 2030, Wed 0230, Sat 2130. Business Horizons - Tue 1130, Sat 0430 - Peter Hannah reviews business and trade in the Asian/Pacific region. Communicator? - Sun 1430, Mon 0730, Fri 1030 (Note: Glenn Hauser in his "DX Listening Digest 1/7/90" says it was announced that 'Bright Sparks', a series about early radio in Australia which had previously aired separately would occupy the Communicator times from the following week.) Education Focus - Sun 1530, Mon 0930, Wed 0530, Fri 1130. - Education issues of the Asian/Pacific region, with Trevor Robertson. Innovations - Tue 1030, Fri 0730 & 0930 - Desley Blanch reports on inventions and innovative practices. Interaction: Sat 0130, 2230, Thu 1030, Fri 0530 - Exploring the experiences of multicultural Australia, with Nick Kaye. Just Out: Mon 0030, Wed 1330, Sat 0630 - Rob Hoskin plays recent Australian releases. Land and Culture: Mon 1130, Wed 0730, Fri 1430 - Indigenous issues in Australia presented by Trevor Robertson. Points of Law: Mon 1430, Tue 0530, Wed 1030, Sat 0930 - Geraldine Coutts reports on the law and society in the Asian/Pacific region. Matters of Faith: Sun 0930, Mon 0430, Wed 1530, Sat 1130 - Dallas Adair examines the doctrines and beliefs of the faiths of Asia/Pacific region. Monitor: Tue 0730, Thu 1430, Sat 1030 - The impact of Science and Technology on society. One World: Sat 0730, 1530 - Michael Wagner reports on environmental issues important to the Asian/Pacific region. Pacific Sunrise: Mon 1513, 1713, 2113, 0730 - Reporting business and export developments in the south-west and central Pacific. Ring the Bells: Wed 0630, Sat 1230. Science File: Wed 1130, Fri 1530 - Science, medicine and technology news for the Asian/Pacific region. Soundabout: Mon-Thu 1230 - Young contemporary music from Australia and around the world. Sports Results: Sun-Sat 1913, Mon-Fri 0313, 2313. - Results & reports from the Asian/Pacific region and international events

w/Brendon Telfer, Geraldine Coutts & Michael Wagner. Sports World: Sat 01-0630 UTC 21740, 21525, 17715, 15240 & 11910 - Reports, commentaries and the results of events around Australia today. Stock Exchange Report: Mon-Fri 0825, 1025, 1425, 2025. Tattslotto: Sun, Wed, Sat 1227 & Sun 0850, 1227, 1713, Wed 1713, Sat 1713. This Australia: Mon 0530 - Documentaries about the "land down under." Women of Asia: Sun 0530, Mon 1030, Wed 0930, Sat 1430 - Patti Orifino speaks with Asian women about their lives and the issues which affect them. Word of Mouth: Sat 0030, 1730, 2030, Mon 1545. World of Country Music: Sun 0730, Tue 0430. (Thanks to Keith Synnott, Publicity Officer of Radio Australia)

Keith Synnott, Publicity Officer of Radio Australia Also sent me the new RA Calendar and also some samples of the new QSL Cards. They are Radio Australia - The Wilderness Society. Keith Synnott says "They're a change from previous issues and will, hopefully, be keenly sought after. Reports should be sent to Frequency Management, Radio Australia, GPO Box 428G, Melbourne, Vic 3001, Australia." Mr. Synnott says "Frequency Management" is an addition to RA's Resource and Distribution Division, with responsibility for planning and implementing a frequency schedule for all Radio Australia transmissions. The work was formerly done within the Australian Telecommunications Commission, which retains its role as the operator of RA's transmitters."

He also lets me know that "The new Brandon transmitting station joined the network last month. Its coordinates and location are shown on the QSL Cards. (147 degrees 20' E/19 degrees 30'S). The transmitters serve the Papua New Guinea, Solomon Islands, Vanuatu region of the Pacific. One new frequency has been introduced at Brandon since the English Service guide was published. It's 11930 kHz on-air 11-20 daily with a bearing of 080. We already have reports of good reception in Canada! The frequency is also used for our Tok Pisin Service 08-11."

Mr. Synnott also says "the early prediction is, there will be some frequency adjustments in March and possibly some fine-tuning of the English program rundown."

Recommended Freqs: UK/Eur: 15240 21-07, 11910 04-0630, 9655 07-10, 7205 1530-2030. (These services are directed to Asia and the Pacific. Reception further afield is influenced by propagation conditions and frequency congestion. US/Canada - 21740 22-0730, 17795 22-04, 15320 22-02, 9580 08-15. (These services are directed to the Pacific. Reception further afield is influenced by propagation conditions and frequency congestion. (Thanks to Keith Synnott, Publicity Officer, Radio Australia)

AZORES - Observations on Radio Clube do Angra. Monitoring research 6-12 Dec 89. Radio Clube do Angra was observed on 6th December from tune-in at 1450 gmt on 13584 kHz. The programme consisted of Portuguese music and a station identification in Portuguese at 1500 gmt. The station was also observed on the same frequency around 1545 gmt on 7th December and 1630 gmt on 8th December, although it was unheard when checked on 12th December. Radio Clube do Angra is listed as operating on 1394 and 909 kHz mediumwave. (WBI 12/15)

BANGLADESH - Radio Bangladesh External Sked: 08-0830 EG Voice of Islam Eu 11705, 15195; 1230-13 EE Eu 11705, 15195; 1315-1345 Nepalese As, 14-15 Urdu As, 1515-1545 Hindi As, 16-1630 AR ME, 1630-18 Bengali ME, 1815-19 EG Eur, 1915-20 Bengali Eur 15255, 11705. (WBI 1/19)

CANADA - RCI's German service reprieved yet again. RCI Montreal, in English 2208 gmt 6 Jan 90. Excerpts from "SWL Digest" report. The alternative financing for Radio Canada International's (RCI's) German-language broadcasts...has still not yet been finalised. To allow more time for this to happen, the German broadcasts have been given yet another reprieve until the end of February. The financing required for this service is about 500,000 dollars for the next year..." (WBI 1/12)

CHINA - Lifang, Audience Relations of Radio Beijing wrote to me on 12/6 and said "Lin Shawoen and Weihua thank you for the New Year Card. I've introduce you two of my colleagues, they're Lu Qing and Zhang Yuan

(ladies), they're the writers and producers of Listeners' Letterbox. When you listen to this program, apart from the announcers, you'll know the two ladies are working very hard."

Xinjiang PBS: Eric Swedberg, OR received a letter from Guo Ying thanking him for his reception report. Gave frequencies for lang use but no times: CH - 3960, 4500, 6100, 7385, 9560. Uighur (which he spelled Uy'ur) 3990, 4735, 5800, 7195; Mongolian - 4220, 4980, 5060; Kazakh 5440, 4970, 4330 & MW 1607. This was for a report on 12/9 & Eric sent return postage in CH stamps. Address: Xinjiang PBS, Tuanjie Rd, 84-830044, Urumchi, Xinjiang. Central People's Broadcasting Station - First Pgm Sked: During summer time in China all programmes will be one hour earlier than shown. This schedule shows approximate frequency useage only. *1958-06* 10245, 9080, 9064, 7935, 7525, 7516, 7504, 6840, 6750, 6125, 5915, 5880, 5320, 4905, 4460, 3220; 2330 Freq change 12120, 11610, 10245, 9800, 9080, 9064, 7504, 6840, 6750, 6125, 5880, 5320, 4460; 0030 Freq change 17605, 15550, 15390, 12120, 11610, 11330, 10245, 9800, 9064, 7504, 6840, 6750, 6125, 5880; 01 Freq change 17605, 15550, 15390, 12120, 11610, 11330, 9064, 7504, 6840; *06-08 except Tue 17605, 15550, 15390, 12120, 11610, 11330, 9064, 7504, 6840; *08-1735* 17605, 15550, 15390, 12120, 11610, 11330, 9064, 7504, 6840; 11 Freq change 17605, 15390, 12120, 11610, 11330, 10245, 9800, 9064, 7516, 7504, 7440, 7440, 6840, 6750, 6125, 5880, 5320, 4460; 1230 Freq change 12120, 11330, 9800, 9080, 9064, 7935, 7516, 7504, 7440, 7440, 6840, 6750, 6125, 5880, 5320, 4460. CPBS Second Pgm: *2058-06 11740, 9400, 9390, 7770, 6890, 5075, 4250, 3290; 2230 Freq change 12200, 11740, 9400, 9390, 7770, 5075, 5290, 4250; 2330 Freq change 12200, 111740, 11505, 11040, 9400, 9390, 7770, 5075, 4250; 0000 Freq change 15030, 12200, 11740, 11505, 11040, 9400, 7770, 5075; 01 Freq change 15500, 15030, 12200, 11740, 11505, 11040, 9400, 7770; 02 Freq change 17700, 15500, 15030, 12200, 11505, 11040, 9400, 7770; *06-0955* except Wed & Fri 17700, 15500, 15030, 12200, 11505, 11040, 9400, 7770; *0955-16* Overall 17700, 15500, 15030, 12200, 11505, 11040, 9400, 7770; 1030 Freq change 15030, 12200, 11740, 11505, 11040, 9400, 7770, 5075; 1130 Freq change 15030, 12200, 11740, 9400, 7770, 6890, 4250, 4250; 13 Freq change 12200, 9400, 9390, 7770, 7235, 6840, 5075, 4250; 1330 Freq change 9400, 9390, 7770, 7235, 6890, 5075, 4250, 3290. (WBI 12/22)

Broadcasts for National Minorities: 0000-0026 Tibetan 15670, 11375, 7110-Lhasa, 5995-Lhasa, 4085-Lhasa; 0030-0056 Uighur 15670, 11375, 5800-Urumqi, 4375-Urumqi, 4330-Urumqi; 01-0126 Kazakh 15670, 11375, 5440-Urumqi, 4970-Urumqi, 4330-Urumqi; 0430-0456 KK 9920, 8566; 05-0526 Mongolian 9920, 8566, 6974-Hohhot, 4525-Hohhot; 0530-0556 Tibetan, 06-0626 Uighur, 0630-0656 Kazakh 17635, 15670; 10-1026 KK 9920, 8566; 1030-1056 Tibetan, 11-1126 Uighur, 1130-1156 Kazakh 15670, 11375; 12-1226 KK 5420, 4190; 1230-1256 6974-Hohhot, 5420, 4525-Hohhot, 4190; 13-1326 Tibetan 8566, 7110-Lhasa, 5995-Lhasa, 4085-Lhasa; 1330-1356 Uighur 8566, 5800-Urumqi, 4735-Urumqi, 3990-Urumqi; 14-1426 Kazakh 8566, 5440-Urumqi, 4970-Urumqi, 4330-Urumqi; 1430-1456 Mongolian 8566, 5060-Urumqi, 4980-Urumqi, 4220-Urumqi; 2130-2156 KK 5420, 4190; 22-2226 Mongolian 5420, 4750-Hailar, 4190. (WBI 12/22)

Voice of the Strait First Programme, Fuzhou Sked: 0953-1753 CH-Std (some programmes in Amoy) 11590, 7280, 6170, 6115, 5510, 4130, 2755; Freq change at 13 7280, 6170, 5510, 4840, 4130, 2755; 2053-0030 CH-Std (some programmes in Amoy) 5510, 4840, 4130, 2755; 2230 Freq change 7280, 6170, 6115, 5510, 4840, 4130; 0353-16 CH-Std/Amoy 9505, 6000; 14 freq change 6000, 4900. (WBI 1/5)

COSTA RICA - AWR, Alajuela Sked: The station is running 40 kW on 9725 into a log periodic antenna beamed at 345 degrees. Their 25 meter outlet on 11870 is being run with 5 kW fed into a five-element yagi antenna. The station has the following schedule using freqs 11870 & 9725:

11-12 FF, 12-14 EG, 14-15 SP, 23-01 EG, 01-05 SP. The station advises that their current QSL cards, featuring a colorful map of Costa Rica identifying the various provinces, will soon be replaced by a series of cards picturing "the coat of arms of the various parts and

symbols of Costa Rica". Reports are wanted. (Marlin A. Field, MI & Bill Matthews, OH)

CUBA - Observations on Radio Havana frequency changes. Monitoring research 4-5 Dec 89. Radio Havana Cuba was observed on a number of new frequencies when checked on 4th and 5th December as follows:

0000-01 Quechua, 01-0245 PT 15340; 09-11 SP 15300; 11-17 SP 15340, 15300, 15285, 11820, 11760, 11705, 5985(-1650 gmt); 19-21 EG, 21-2240 FF 11800; 22-23 AR 9590; 23-24 Guarani 15340; 23-24 SP 11790, 11950, 11910, 11760, 9590. (WBI 12/15)

CYPRUS - Cyprus Broadcasting Corporation - This service is broadcast from British Broadcasting Corporation transmitters located near Limassol. It was inaugurated on 1st May 1977. CBC is the broadcasting service of the Greek-Cypriot community. Sked: 2215-2245 Fri, Sat, Sun GK (to United Kingdom) 9535, 7180, 6180. (WBI 12/22)

CZECHOSLOVAKIA - John Carson, OK called me on 1/15 after listening to the 2200 R. Prague broadcast. Said W announcer gave new IS info, and asked me to check R. Prague's broadcast. On the 03 on 1/16, W said beginning Feb 1st, they were returning to old signature tune of 1936 until the Second World War. 1st Movement of Dvorak, Symphony from the New World. (bmm)

DENMARK - Joe Hanlon, PA tells me that Feb 12th is the new target date for Radio Denmark via Norway.

FIJI ISLANDS - The University of the South Pacific (USP) serving students with tutorial programs, has 11 centres in the following countries: Suva (FJI), Rarotonga (CKH), Honiara (SLM), Apia (SMO), Aloii (NIU), Tokelau (TKL), Port Villa (VUT), Tonga (TON), Tarawa (KIR), Tuvalu (TUV) & Nauru (NRU). Five of these HF, incl Suva which is the NCS. Also Honiara and Rarotonga are known to use HF the two with a power of 150 Watt. Some address: USP, Extension Service, P.O. Box 1168, Suva, Fiji. USP, Cook Islands Centre, P.O. Box 130, Rarotonga, Cook Islands. USP, Solomon Islands Centre, P.O. Box 460, Honiara, Solomon Islands. (Thanks GMD for this interesting info, I myself will have a try on 12140 & 9070 kHz.) (via Conny Brodin's 'Utility Shack' Column in DSWCI Jan 90.)

FEDERAL REPUBLIC OF GERMANY - Some Deutsche Welle Programming for Feb: Arts on the Air: Young Film in Berlin on 2/25 & 27, 2/13 & 14th - 'The Coming End of the Drug Barons' - We shall be looking at the way the drug trade is handled and combated. Living in Germany: On 2/21 & 22 talks to house-husbands and finds out why they do it, what their wives think about it, how their friends react.

German by Radio - Advanced Lessons: A great number of our listeners write expressing interest in learning German at a beginning level. We must ask for patience, as the series for advanced learners (parts 3 & 4) is presently being broadcast. Books are only available for this series. The next beginners' course will start again in two years at the earliest, and we hope then to completely introduce a completely new course.

DW EG Sked: 01-0150 NA 6040, 6145, 9565, 9735, 11865; 02-0250 S.Asia 6035, 7285, 9615, 9690, 11835, 11945; 03-0350 NA 6085, 6130, 9545, 9605; 04-0450 E.Cent & S.Afr 7150, 7225, 9565, 9765, 11765, 13790; 05-0550 NA 5960, 6120, 9670, 9700; 06-0650 W.Afr 11765, 15185, 13790, 17875; 09-0950 E.Cent. & S.Afr 9650, 15410, 21600; 09-0950 Asia and the Pacific 6160, 11945, 17780, 17820, 21650, 21680; 11-1150 W.Afr 15410, 17765, 17800, 21600; 15-1550 E.Cent. & S. Afr 9735, 11965, 15135, 17765, 21600; 16-1650 S.Asia 6170, 7225, 15105, 15595, 17825, 21680; 19-1950 W.Afr 11785, 11810, 13790, 15390, 17810; 21-2150 Asia and the Pacific 9670, 9765, 11785, 13780, 15435. (via DW's "tune in, Jan/Feb 90)

GUAM - KTWR EG Sked: 0805-0930 15210 Far East; 0930-11 11805 Australia; 15-1620(1635 on Friday) 11650 India. (Marlin A. Field, MI)

HUNGARY - Radio Budapest Sked: During summer time in Hungary all

broadcasts will be one hour earlier than shown. Some transmissions may end up to five minutes early. 0000-0030 Mon-Sat SP Am 15220, 15160, 11910, 9835, 9585, 6110; 0030-01 Mon-Sat EG Am, 01-0130 Daily Hungarian, 0130-02 Daily, 02-0230 Except Mon & Sat Hungarian, 02-0230 Sat EG, 02-0330 Mon Hungarian, 0230-0245 Tue,Wed, EG(DX Pgm) 15160, 11910, 9835, 9520, 6110; 0245-03 Except Sun,Mon,Thur SP(DX Pgm) Am 15220, 15160, 9835, 9520, 6110; 10-1015 Except Sun, Sat EG(DX Pgm) As 15220, 15160, 11925, 9835, 9585, 6110; 1015-1030 Sun SP(DX Pgm) Eu 15220, 15160, 11910, 9835, 9585, 7220; 1030-1045 Except Sun,Sat EG(DX Pgm) As 15220, 15160, 11925, 9835, 9585, 6110; 1030-1045 Sun GM (DX Pgm) Eu, 1045-11 Sun EG(DX Pgm), 11-12 Sun Hungarian, 1115-1130 Sat GM(DX Pgm), 1130-1145 Sat EG(DX Pgm), 1145-12 SP(DX Pgm), 12-1330 Sun,Sat Turkish, Sat 15220 15160, 11910, 9835, 9585, 7220; 1330-15 Sun,Sat GM, Eu, 15-1630 Sun Hungarian, 15-1630 Sat GM, 16-1615 Mon,Thu IT(DX Pgm) 15220, 15160, 15190, 9835, 9585, 6110; 1615-1630 Mon,Thu EG(DX Pgm) Eu, 1615-1630 Tue,Wed GM(DX Pgm) 15220, 15160, 11910, 9835, 9585, 7220; 1630-17 Daily IT Eu, 17-1730 TK 15220, 15160, 11910, 9835, 6110; 1730-18 Daily GM Eu, 18-1830 IT 15220, 15160, 11910, 9835, 9585, 7220; 1830-19 Daily TK Eu, 19-1930 Tue EG, 19-1930 Fri GM, 19-1930 Except Tue,Fri Hungarian, 1930-20 EG Eu,ME, 20-2030 Hungarian Eu, 2030-21 Except Sun GM, 21-2130 EG Eu,ME, 22-2230 SP 15160, 11910, 9835, 9585, 7220, 6110; 2230-23 Daily Hungarian Am, 23-2330 SP, 23-0000 Except Sun Hungarian, 2330-01 Sun Hungarian 15220, 15160, 11910, 9835, 9585, 6110. (WBI 12/22)

ICELAND - New Sked for Rikisutvarpid HF relays: Rikisutvarpid's programme schedule commencing 1st January 1990 shows the following new schedule for HF relays of domestic programmes(all upper sideband): 1215-1245 15790, 15767, 13861, 11418; 1410-1440 15767, 13855, 13830, 1855-1930 13855, 11418, 9268, 7870, 3295; 1935-2010 15780, 15767, 13855; 23-2355 13855, 11418, 9286. (WBI 1/12)

INDONESIA - A slight move up the band for the Voice of Indonesia's frequency for the EG/Indo Svc at 01-03 and EG/Malay Svc at 08-10. 11755v now replaces the former 11745-11735-11745v freq with 11785v still in parallel. First found this NF on 12/13 at 0118 after trying to get them on 12/12 but only heard 11785v then (11735/745 was gone)-probably 11755NF was still weak then and sunk into the valley of interference! On 12/13 noted 11755v with weak signal and co-channel and QRM from 11750/760. Station ID at 0124 then music(jazz pieces from Earl Klugh and Herb Alpert) up till 0133 when again station ID and gave freqs as 15150(19.8m), 11790(25.4m) and 7125(42.1m)!!! Also gave these same freqs at the end of the EG transmission. At 02 Indo service came on, also provided freqs in use as 15150 & 11790! New address noted, given after station ID at 0124: P.O. Box 1157, Jakarta 10011 Indonesia. (Lim Kong Jin, Penang, Malaysia 'SE Asia DX News, No. 6') 9615, 0206, RRI Samarinda (ILG lists as 9614), Indo w/M&W talking(probably news). Then at 0208, end of this news(?). W said the end of this 'siaran tentera' (army service(?) then M w/station ID at 0210 as 'RRI Samarinda' and gave freq details then end of transmission. (Said to be broadcasting on 31.5m). Transmission then ended at approximately 0214. (Lim Kong Jin, Penang, Malaysia, ibid)

IRAN - Voice of Islamic Republic of Iran Sked: 0130-0230 SS Am 15084, 9720, 9022; 0230-0330 AR Am 15084, 9022; 0330-0730 AR ME, 6150, 6140, 5975; 04-05 TK Eu,ME, 0530-0630 SP Eu, 0630-0730 FF Eu, 15084, 9022, 7110; 0930-1130 AR ME 9680, 9525, 6140; 1130-1225 EG ME,As 111790, 9685, 9610, 9520; 1230-1330 Urdu ME,AS 1330-1430 Pashto ME,As 1430-1525 Bengali ME, As 11790, 9685, 9610, 9520; 1430-1630 Persian(Familiar Voice service) As 15084; 1530-1630 RR Eu,ME 11790, 9022; 17-18 TK Eu,ME 9022, 6080; 1715-2130 AR ME 9685, 9610, 7215; 18-1845 GM Eu 9022, 6030; 1830-2030 Persian (Familiar Voice service) Eu 15084; 1845-1930 FF Eu 15084, 9022, 7110; 1930-2030 EG Eu, Am 11895, 9022, 6030; 2030-2130 SP Eu 9022, 6030; 2030-0130 Persian Eu,ME 15084 w/freq change at 2130 15084, 9720; 2130-2230 AR Eu,ME,Am 9610, 9022. (WBI 1/19)

ISRAEL - Kol Israel Sked: 0000-0030 EG Eur,Am, 0030-01 Hebrew, 01-0125 EG, 0130-0155 PT, 02-0225 EG, 0230-0255 SP 11605, 9930, 9435; 03-0340

Handwritten:
15640 = exc.

RR Eu,Am 11655, 11605, 11588, 9930, 9435; 05-0515 EG(Network A domestic service), 0515-0530 (Network A domestic service) Eu,ME,As,Au,Am 17630, 15485, 11655, 11588, 9435, 7460; 0530-06 Sat,Sun RR Eu,Am 21780, 17630, 17590, 17575, 11588; 10-1030 Sat,Sun Eu,Am 211780, 17630, 117590, 17575, 15485, 11585; 11-1130 EG(Network A domestic service) Eu,ME,As,Au,Am 21780, 17590, 17578, 17575, 15650, 15485, 11585; 1130-12 FF(Network A domestic service) Eu,ME,As,Au,Am 21780, 17590, 17575, 15650, 15485, 11585; 13-1355 Tue,Thu Temanite ME 21790, 17575; 14-1445 Daily & t/1455 Except Sun,Wed RR Eu, 1445-1455 Sun,Wed Tat Eu,Am, 1445-1510 Bukharian Eu, 1510-1525 Georgian Eur 21790, 117685, 17575, 15640, 15485; 1530-1625 Persian Eu,ME,Am 21790, 15485, 11605; 1630-17 Yiddish Eur,Am, 17-1740 RR 17685, 15640, 15485, 11605, 9435; 1725-1735 Moghrabi Eu,ME,Am, 1735-1745 SP 11655, 11585; 1745-18 Hungarian Eu,Am 15485, 13750, 12077, 11605, 9435; 1745-18 Ladino(Network A domestic service) Eu,ME, 18-1815 EG(Network A domestic service) Eu,ME,Am 11655, 11585; 18-1825 Romanian Eu 12077, 11605; 18-1830 Yiddish Eu,Am 15485, 13750, 9435; 1815-1830 FF(Network A domestic service) Eu,ME,Am 11655, 11585; 1830-1850 Easy Hebrew Eu,ME,Am 11655, 11585; 1830-19 Hebrew Eu 15485, 13750, 12077, 11605, 9435; 1850-1905 Amharic Eu,ME,Am 11655, 11585; 19-1955 RR Eu 15485, 13750, 12077, 11605, 9435; 20-2030 EG Eu,Af,Am, 2030-2055 FF 17630, 15640(now 7462 per Joe Hanlon, PA per Kol Israel's DX Corner 1/7 to improve reception in western Eur.) 15485, 13750, 11605, 9435; 21-2155 RR Eu,Am 13750, 11605, 9930, 9435, 7462; 22-2230 FF Eu,Am, 2230-23 EG 15615, 13750, 11605, 9930, 9435; 23-2325 Yiddish Eu,Am 15615, 11605, 9930, 9435; 2330-2355 SP Am 11605, 9930, 9435. (WBI 1/12)

Yemen broadcasts to start on 11th January. Voice of Israel, Jerusalem, in Arabic 1445 gmt 4 Jan 90. Text of announcement: We would like to draw our respected listeners' attention to the fact that the Hebrew service of the Voice of Israel will begin transmitting special programmes beamed to North Yemen. This special transmission can be monitored as of Thursday, 11th January, at 1630 Yemen local time (1330 gmt). The programme will be transmitted on Tuesday and Thursday every week on shortwave 17575 kHz or 17.07 metres. (WBI 1/12)

DPR KOREA - Radio Pyongyang Sked: 0000-0050 EG Am 15160, 15115; 0000-0050 FF As 11830, 9540; 0000-0050 SP Am 13650, 11735; 04-0450 EG As 17765, 15180, 15160; 04-0450 KK As 9325, 7200; 04-0550 JP As 11780, 9650, 9505, 3250; 05-0550 CH-Std As 15115, 11335, 9325; 05-0550 KK As 17765, 15180, 15160; 06-0650 EG As 15180, 15160, 15140, 13650; 06-0650 FF ME,Af,As 17795, 15340; 07-0750 CH-Std As 15115, 11335, 9325, 7230; 07-0750 EG ME,Af 17795, 15340; 08-0850 EG As 15180, 15160, 15140, 15115, 11830; 08-0850 KK ME,Af,As 17795, 15340; 08-0850 KK As 9325, 7200; 09-0950 RR Eu,As 9600, 9345, 9325, 7200; 09-0950 SP Am 11735, 9977; 09-1050 JP As 7580, 6560, 3250; 10-1050 KK Am 11735, 9977; 10-1050 RR Eu,As 9600, 9345, 9325, 7200; 11-1150 CH-Std As 9540, 7230, 7200; 11-1150 EG Am 11735, 9977, 9600; 11-1250 JP As 7580, 6560, 6540, 3250; 12-1250 CH-Std As 9540, 7230, 7200; 12-1250 SP Am 11735, 9977, 9600; 13-1350 EG Eu,As,Am 11735, 11335, 9600, 9345, 9325; 13-1350 KK As 7200, 6180; 13-1450 JP As 7580, 6560, 6540, 3250; 14-1450 FF Eu 11855, 11735, 9345, 9325; 14-1450 KK As 9977, 9645, 9600; 15-1550 AR ME,Af 12000, 9220, 6540; 15-1550 EG Eu,ME,Af 11760, 9977, 9640, 9325; 15-1550 RR Eu 9345, 6576; 16-1650 FF Eu,ME,Af 9977, 9640, 9345, 6576; 16-1650 KK ME,Af 12000, 9220, 6540; 16-1650 RR Eu 11760, 9325; 17-1750 AR ME,Af 12000, 9220, 6540; 17-1750 EG Eu,ME,Af 11760, 9977, 9640, 9325; 17-1750 KK Eu 9345, 6576; 18-1850 AR ME,Af 12000, 9220, 6540; 18-1850 KK Eu,ME,Af 11760, 9977, 9640, 9325; 18-1850 SP Eu 9345, 6576; 19-1950 FF Eu,ME,Af 11760, 9977, 9640, 9325; 19-1950 GM Eu 9345, 6576; 19-1950 KK & 20-2050 AR ME,Af 12000, 9220, 6540; 20-2050 EG Eu,ME,Af, 9977, 9640, 9345, 6576; 20-2050 SP Eu,Am 11760, 9325; 21-2150 FF Eu,ME,Af 9977, 9640, 9345, 6576; 21-2150 GM Eu 11760, 9325; 21-2150 JP As 11780, 9650, 9505, 3250; 22-2250 KK As,Am 15160, 15115, 11735, 9540; 23-2350 CH-Std 11830, 9540; 23-2350 EG Am 13650, 11735; 23-2350 SP 15160, 15115. (WBI 12/15)

MALTA - Voice of the Mediterranean is a broadcasting service run jointly by Malta and Libya from studios in Valletta. The radio uses transmitters at the Deutsche Welle relay station in Malta and made its inaugural broadcast on 1st September 1988. The address is announced as

P.O. Box 143, Valletta, Malta. Another address, P.O. Box 17, Hamrun, Malta, has been given during the Arabic programme an address which has been used by Libya's external service Radio Jamahiriyah. Sked: 06-07 EG (News at 0650 ME, 07-08 AA (News at 0730) ME 9765; 14-15 EG (News at 1450) Eu, ME, 15-16 AA (News at 1530) Eu, ME 11925. (WBI 12/22) Radio Mediterranean: Uses transmitters at the Deutsche Welle relay station in Malta. The radio announces an address of P.O. Box 2, Valletta, Malta. Sked: 18-19 AA, 2130-2230 FF, 2230-2330 EG 6110. (WBI 12/22)

MONTSERRAT - OECS hopes Radio Antilles back on air by June. CANA news agency, Bridgetown, in English 1843 gmt 4 Jan 90. Excerpts from report from Castries (St. Lucia). Member governments of the Organisation of Eastern Caribbean States (OECS) are hoping to have Radio Antilles back on air by mid-June, says St. Lucia's Prime Minister John Compton. His statement came amid reports that the Montserrat government acting on behalf of the OECS had formally bought the facilities of the Antilles corporation in Plymouth from West Germany's Deutsche Welle...

"We are hoping to have this restored by mid-June this year, but it is turning out to be an expensive undertaking," he said. "The West German government and Radio Deutsche Welle subsidized the station for several years at great cost and if the station re-emerges it would not be in the form which we knew it, as the OECS is not in a position to subsidise it," Compton added.

So far a number of international concerns including the British Broadcasting Corporation (BBC) and the Voice of America (VOA) have expressed an interest in supporting the OECS initiative, while UNESCO is now conducting a study to determine the feasibility of operating the station on a commercial basis... (WBI 1/12)

MYANMAR - The Voice of Myanmar now noted on a NF of 5990, moving up slightly from 5985 for the broadcast 0930-16 with EG at 1430-16. (Lim Kung Jin's 'SE Asia DX News, No. 6)

NEW ZEALAND - The Press Release read: "Radio New Zealand International will commence transmissions from its new 100 kW transmitter located west of Taupo in New Zealand's North Island, at 1730 UTC on 23 January 1990 on a frequency of 15485 & on 1/24 04-10." Well old time listener's to Radio New Zealand such as John Carson, OK (who called me) and Glenn Hauser, AZ (who I called were all prepared before 1730) and at 1628-1637 there were test tones on 17730, 15485 with 17730 being the strongest (presume the 100 kW). These test tones resumed again at 1641. At 1643 the usual interval signal & M w/ID 1648 "Good Morning, this is the shortwave service of Radio New Zealand commencing our programs for the day. We're transmitting to the Pacific Islands on 17730 in the 16 meter band and 15485 in the 19 meter band. We'll join our domestic service shortly for their morning program. This is New Zealand". Then M very weak & it sounded like "We're on the air" followed by "Lady Love" by Lou Rawls followed by time check of 7 to 6. At 1700 the Voice of America wiped out RNZ on 17730 and the //15485 was overrun by a utility station. Around 1900 on 17680 booming in & I called Radio New Zealand on 1/23 around 1930 and they were trying to get me on the 'Morning Report' Pgm for a live interview but could never connect me up with the right studio. At 0305 on 1/24 on 17705, I listened to a program that reminisced about the old days at Radio Zealand. Not as strong a signal as what appeared at 0357 when they switched over to 17680 (100 kW) w/IS and their new 'Pacific Service'. They dropped 17680 at 0556 due to adverse propagation conditions and switched to 9850 for the opening ceremonies of "The Commonwealth Games. I listened until they went off abruptly in mid-song at 0838. Note: I expect most SWL's were tuned into this historical occasion so I have left out alot of the details. (bmm)

2XA to start shortwave broadcasts in March. Radio Netherlands, Hilversum, in English 1150 gmt 4 Jan 90. Excerpt from "Media Network" correspondent in New Zealand. Our Second shortwave service, 2XA - Print Disabled Radio in Levin, is to operate with 1000 Watta. A transmitter has been ordered overseas. They will be using 3935 kHz and operate from early March. The first schedule will be from 0630-10 UTC, Sat, Mon & Thu with an extension on those days between 21-01 UTC (as heard). Meanwhile the mediumwave station on 1602 will continue to

operate and have a repeater in the Wellington area.

PAKISTAN - Radio Pakistan now on new 17850, for World Service, replacing 17565. Good level from *1315-1545*, in parallel w/13665, 15605 and 21740 all heard on 1/8. (Bob Padula, Surrey Hills, Australia in 'SW Station News Column' in ADXN Jan 90)

PHILIPPINES - Radio Veritas Asia Sked w/changes in parenthesis via Lim Kong Jin in his SE Asia DX News No. 6): 0000-0025 JP As 17790, 15270; 0000-0030 Sinhalese, 0030-0055 Tamil 17800, 15300; 0030-0100 Burmese 11660, 9560; 01-0130 Bengali 17795, 15360; 01-0130 Karen 11660, 9560; 0130-02 EG 17795, 15360 (now 15330); 0130-02 Kachin 11660, 9560; 02-0225 Telugu 17795, 15360; 02-03 VT 11660, 9560; 0230-03 Urdu, 03-0330 Hindi 17795, 15360; 10-1055 CH-Std 11740, 9520; 1030-11(1125 Sun) RR 15110; 11-1125 VT 11790, 9555; 1130-1155 Indo 15240, 9550; 12-1225 JP 15355, 9520; 1230-13 CH-Std 15240, 9525; 1230-13 9555, 6160; 13-1330 Burmese 9555, 6160; 13-1330 Telugu 15445, 9525; 1330-1355 Kachin 9555, 6160; 1330-14 Sinhalese, 14-1425 Tamil 15445, 9525; 14-1455 VT 9555, 6160; 1430-15 Bengali, 15-1530 EG 15445, 9525; 15-1555 CH-Std 9615, 9540; 1530-16 Hindi, 16-1630 Urdu 15445, 9525; 21-2125 KK 15550, 11985; 2130-23 CH-Std 11795, 9560; 23-2325 CH-Std 15250, 11820, 11795, 9560; 2330-2355 Indo 15250, 11820; 2330-2355 VT 11705, 9560. (WBI 12/15)

PORTUGAL - RDP International inaugurates new 300 kW transmitter. RDP International, Lisbon, in Portuguese 1930 gmt 6 Dec 89. Excerpt of Report. Good evening. This RDP newsreel is usually broadcast to our listeners in Europe, but today it is being transmitted also to Africa and other shortwave target areas. We have been stressing throughout the day's broadcasts that today, Wednesday (6th December), is a special day for all the staff at RDP External Services. The inauguration of a 300 kW transmitter and a new aerial array in Pegoes is a new landmark in the history of Portuguese radio. We have already had telephone reports today from listeners abroad of an improved signal. For now, the improvement will benefit our broadcasts for Africa, but soon other target areas will also notice an improvement.. (WBI 12/15)

ROMANIA - Monitoring observations of Radio Bucharest: African & European Service seemed to be the best here. The African Svc Sked is: 0530 21550, 17790, 17745, 17720, 15380, 11840; 1730 17720, 15365, 15340, 11940. (bmm) & Europe: 1300 21550, 17850, 15365, 11940; 1930 & 21 9690, 7195, 7105, 6105, 5990. (Eric Swedberg, OR) Address is: PO Box 111, Bucharest, Romania (and this is new address!) 11940, 13-1352, R. Bucharest, EG on 1/10 (Eric Swedberg, OR) 15250, 0645, R. Bucharest, IS/ID, EG, M talking about Ceausescu. EG ID at 0648 into FF? at 0651 W/M talking till 0654 then W talk. At 07 ID twice then talk & patriotic vocal at 0706. At 0712 pause then test tone & 0713*/11940. Both freqs very poor on 12/25. On 12/26 at 1732 on 15365, Choir singing then M w/news of government appointments. At 1754 M w/charges against Ceausescu's. At 1736 choir singing. At 1738 W w/ID followed by W reading charges against Ceausescu's and responding to question why they were not brought before an International Court. On 12/28 on the 1730 broadcast, W w/phone # for Radio Bucharest 400 90 139996, saying if you want to call us. Then W w/ID followed by freqs for African Service & address. "And now time for goodbye." 1756*. On 1/7 at 1729 on 15365 NEW INTERVAL SIGNAL! On 1/10 at 1754, the W announcer was just reading a telex from Jonathan Marks of Radio Netherland asking about the new interval signal. At 1755 as she was giving the answer, R. RSA signed on co-channel. I switched to //11940, but it was not as clear as 15365. The answer to the question was on the 1/12 'RNMM Pgm'. New IS is 'Lion Cubs'. (bmm)

SOLOMON ISLANDS - Reduction in broadcasting following government cut in funding. Radio Australia, Melbourne, in English 0900 gmt 8 Dec 89. Text of report. The Solomon Islands Broadcasting Corporation will reduce its broadcasting hours and close its regional stations at Lata and Gizo from next Monday (10th December, gmt). The national service will broadcast only between six and nine o'clock in the morning (19-22

gmt) and from five until half past 10 at night (0600-1130 gmt). The decision by the SIBC board follows a Solomon Islands government decision to cut funding from 125,000 American dollars to a nominal 40 dollars (as heard) in the 1990 budget. The board says the closure of the two regional stations and the cut in broadcasting hours will continue until the grant is fully restored. (WBI 12/15)

SOUTH AFRICA - Radio RSA announces time change for UK broadcast. Radio RSA, Johannesburg in English 1800 gmt 10 Jan 89. Text of announcement. From Sunday 21st January this transmission will begin an hour later, making it 1900 UTC, and we'll be on 17765 in the 16 and 15230 in the 19 metre bands. (This transmission to the UK and Ireland is currently on 21535 kHz). (WBI 1/19)

TAIWAN - Voice of Free China Sked & includes Voice of Asia Sked also: 0000-01 Amoy Am 5950; 0000-01 CH-Std 17805, 15130; 01-03 Cantonese Am 5950; 01-02 CH-Std Am 17845, 15215; 02-03 EG As,Au,Am 15345, 11860, 11740, 9765, 9680, 7445, 5950; 02-03 SP Am 17845, 15215; 03-04 Amoy As 11915, 11825, 7130; 03-04 Cantonese Am 11740; 03-04 Chauchow Af,As 1720, 15370, 15270, 11860; 03-04 EG As,Au,Am 1720, 15370, 15345, 15270, 11915, 11860, 11825, 11745, 9765, 9680, 7445, 7130, 5950; 04-08 CH-Std (Voice of Asia transmission) As 7285; 04-05 SP Am 11740; 05-06 Cantonese Af,As,Au,Am 1720, 15370, 15345, 15270, 11915, 11860, 11825, 11745, 9765, 9680, 7445, 7130, 5950; 06-07 Cantonese As,Au,Am 15345, 11745, 9765, 7445, 5950; 06-07 Indo As 11915, 11825, 7130; 06-07 Thai Af,As 1720, 15370, 15345, 15270, 11860; 07-08 EG Am 5950; 07-08 VT As,Am 15345, 11825, 7445, 7130; 08-09 Amoy Am 5950; 09-10 CH-Std Af,As,Au 1720, 15370, 15345, 15270, 11915, 11860, 11825, 11745, 9765, 9575, 7445, 7130, 6200; 10-11 Amoy As 15345, 11915, 11825, 11745, 9575; 10-11 Cantonese Af,As,Au 1720, 15370, 15270, 11860, 9765, 7445; 10-11 KK As 7130, 6200; 1050-11 CH-Std (Voice of Asia transmission) As 5980; 11-12 Chauchow Af,As 1720, 15370, 15270, 11860; 11-12 EG (Voice of Asia transmission) 7445, 5980; 11-12 Hakka As,Au 15345, 11915, 11825, 9765, 9575; 11-12 JP As,Am 11745, 7130; 12-13 CH-Std Af,As,Au 1720, 15370, 15345, 15270, 11915, 11860, 11745, 9765, 7130; 12-13 Indo (Voice of Asia transmission) As 7445, 5980; 13-14 Cantonese Af,As 1720, 15370, 11860; 13-14 KK As,Am 11745, 7130; 13-14 Indo 15345, 11915, 9765; 13-15 CH-Std (Voice of Asia transmission) As 7445, 5980; 14-15 Hakka As,Au 15345, 11915, 9765; 14-15 JP As,Am 11745, 7130; 14-15 Thai Af,As, 15-16 Amoy 1720, 15370, 11860; 15-16 VT As,Au 15345, 11915, 9765; 15-16 Indo (Voice of Asia transmission), 16-18 (Voice of Asia) Thai As 7445, 5980; 19-20 CH-Std Eu,Af,As 17845, 15440, 15370; 20-21 AR ME,Af 9955; 20-21 FF Eu,ME,Af,As 15370, 15270, 11860, 11805, 9852.5, 9765; 21-22 GM Eu,ME,Af 15270, 11860, 11805, 9852.5, 9765; 21-22 JP As,Am 11745, 7130, 6200; 22-23 CH-Std Eu,ME,Af,As 11860, 9765, 9575, 9510; 22-23 EG Eu,Au 15370, 11805, 9852.5; 22-23 KK As,Am 11745, 7130, 6200; 23-24 Chauchow Af,As 11745, 9845, 9575; 23-24 CH-Std As,Au 15370, 7130, 6200; 23-24 SP Eu,ME,Af,Am 17805, 15130, 11860, 9765, 9510. (WBI 1/19)

UNITED ARAB EMIRATES - Joe Hanlon, PA tells me that UAE, Abu Dhabi is now on a NF of 9600 ex 9595 in EG at 22-0000//13605, 11985.

UNITED STATES - A memorandum went out to VOA employees on 12/11 telling them that the "FY-1990 budget has no funds for VOICE magazine. To keep the publication alive, VOA/X is trying to "privitize" it. With the agency's full endorsement, we have advertised for a private publisher who would be willing to print and distribute the magazine (in return for access to our subscription lists and the right to sell subscriptions and advertising space in VOICE). We are in negotiations with potential publishers, exploring how VOICE can be converted into a viable commercial periodical. While many questions are not yet resolved, we are optimistic something can be worked out.

In the interim, the next issue of VOICE has been redated. It will read "Winter 1990" rather than "December 1989-January 1990." (Thanks to 2 Contributors.)

U.S.S.R. - Estonian Radio - During summer time in Estonia programmes will be heard one hour earlier than shown. Sked: 08-09 Sun Finnish,

09-0930 Sun Swedish (includes Esperanto 0920-0930 1st and 3rd Sun), 1030-1115 Mon-Sat Finnish, 1030-21 Sun Estonian (relay of Estonian Radio First Programme), 16-1630 Mon-Sat Finnish, 1630-21 Estonian (relay of Estonian Radio First Programme), 21-2130 Swedish Daily (includes Esperanto 2120-2130 1st and 3rd Thu), 2130-22 Mon EG, 2130-22 Except Mon Estonian 5925. (WBI 12/22) & Estonian Radio starts shortwave broadcast for seamen. Estonian Radio, Tallinn, in Russian 0700 gmt 14 Jan 90. Text of opening announcement. That was the signature tune for the broadcast for sailors and fishermen which, starting today (14th January), goes out, not only on the republican airwaves, but also on shortwave, on a frequency of 5925 kHz, that is 50.6 metres. This means that it can now be heard in various parts of the world's oceans. The sponsors of our programme are the labour collectives of the Estonian Merchant Marine and the Estrybrom production association. We shall be going on the air at 0900 Tallinn time, that is at 0700 gmt, on Sundays alternately in Russian and Estonian. I remind you that our broadcast is live; there is a telephone in the studio, the number is 43-44-91. Today you will hear: a news bulletin - short news; what do Estonia sailors and fishermen get from co-operation with our northern neighbors, Finland, sea poetry page; and a feature on a (?comedian).

(At the end of the programme the announcer requested seamen to write in and tell them where in the world the broadcast is audible, to: 200001, Tallinn, Lomonosova 21, Estonian Radio. Telex: 173-271. Telefax: 43-41-72. Telephone 43-44-24 and 43-43-39. (WBI 1/19)

Further observations on Latvian Radio: Monitoring research 3-9 Jan 90. Observations on 5935 kHz since 3rd January show that this frequency now carries Latvian Radio's domestic First Programme and (at certain times) programmes in Swedish between 0400 and 2300 gmt. Latvian Radio's external broadcast in Latvian from 1730-1800 gmt, is heard only on 1143 kHz; this is believed to emanate from a 500kW transmitter near Kaliningrad.

Announcement in Swedish broadcast at 2030 gmt on 4th January gave the following schedule for broadcasts in Swedish: 2030-21 Tue, Thu, Sat, 2230-23 Tue, Thu, Sat - repeat broadcasts, 09-0930 5935. (WBI 1/12)

Radio Moscow Russian Services: 0000-01 "For Those at Sea" (from Moscow, Simferopol & Leningrad) Eu, Am 17850, 17645, 15230, 15220, 13710, 12330usb, 12055, 12005, 11990, 11020usb, 10770usb, 10045, 10235usb, 9890, 9865, 9745, 9710, 9505, 9450, 9320usb, 9180usb, 9105usb, 7450usb, 7420, 7380, 7340, 7295, 7265, 7230, 7220, 7180, 7155, 7105, 6890usb, 6654, 6175, 5920, 4765; 01-02 World Service Eu, As, Au, Am 17850, 17815, 17665, 17645, 17620, 15455, 15230, 15220, 15180, 12330usb, 12055, 12025, 12005, 11020usb, 10770usb, 10045, 10235usb, 9890, 9865, 9775, 9745, 9735, 9715, 9710, 9625, 9530, 9505, 9450usb, 9320usb, 9180usb, 9105usb, 7440, 7420, 7400, 7380, 7295, 7270, 7230, 7155, 7145, 7200, 7155, 6175, 6165; 02-03 Radiostantsiya Rodina) Eu, As, Au, Am 17870, 17850, 17815, 17755, 17665, 17645, 17620, 15455, 15360, 15320, 15230, 15220, 15180, 12330usb, 12055, 12025, 12005, 11020usb, 10440, 10235usb, 10045, 9880, 9865, 9775, 9765, 9745, 9735, 9715, 9710, 9625, 9575, 9530, 9505, 9450, 9320usb, 9180usb, 9105usb, 7440, 7420, 7400, 7390, 7380, 7340, 7295, 7270, 7265, 7230, 7155, 7145, 6175, 6165, 6110, 5920, 4795; 03-04 World Service Eu, As, Au, Am 21830, 21615, 17870, 17850, 17835, 17815, 17755, 17740, 17690, 17645, 17620, 17560, 15360, 15320, 15230, 15220, 15110, 13625, 12330usb, 12055, 12025, 12005, 11020usb, 10235usb, 10045, 9890, 9865, 9775, 9745, 9735, 9720, 9630, 9625, 9575, 9530, 9320usb, 9240usb, 9180usb, 7420, 7400, 7380, 7340, 7295, 7230, 7145, 6110, 4766-Cuba; 05-06 World Service Eu, Af, As, Au, Am 21830, 21755, 21655, 21615, 21505, 17870, 17835, 17815, 17755, 17740, 17690, 17645, 17620, 17560, 15360, 15320, 15230, 15220, 15205, 15180, 15110, 13775, 13755, 13625, 12070, 12060, 12035, 12025, 11980, 11940, 11850, 11730, 9865, 9775, 9745, 9630, 9530, 9240usb, 9180usb, 7420, 7400,

7380, 7340, 7295, 7230, 7145, 6110, 6045, 4766-Cuba; 06-07 Relay First Pgm Eu,Af,As,Au,Am 21830, 21655, 21615, 17870, 17850, 17835, 17185, 17755, 17620, 17560, 16340usb, 15535, 15520, 15360, 15230, 15220, 15180, 15110, 14437usb, 14410usb, 13775, 13625, 12035, 12025, 11980, 11850, 9745, 9630, 9180usb, 7420, 7400, 7380, 7295, 7230, 4766-Cuba; 07-08 overall & 07-0715 (News from 1st pgm), 0715-08 "For Those at Sea", 0715-08 (Repeat of 0045-0130). 21830, 21615, 117870, 17850, 17835, 17815, 17755, 17745, 17685, 17620, 17615, 17560, 16340usb, 15585, 15540, 15535, 15520, 15495, 15220, 15190, 15180, 15110, 14437usb, 13775, 13735usb, 13625, 12035, 12025, 12020, 11980, 11870, 11850, 9865, 9630, 9180usb, 4766-Cuba; 08-09 overall including 08-0815 News, 0815-09 Poetry, Eu,Af,As,Au,Am 21830, 21655, 21615, 21550, 21530, 21460, 18870usb, 18402usb, 17870, 17835, 17820, 17815, 17805, 17755, 17745, 17690, 17620, 17560, 16340usb, 15585, 15540, 15535, 15495, 15230, 15270, 15190, 15180, 15110, 14437usb, 13775, 13735usb, 13625, 12035, 12030, 12020, 11870, 11850, 9865, 9630, 7440, 7230, 4766-Cuba; 0815-09 (from Vladivostok) (May include brief items in English and French) As,Au 17870, 17850, 17825, 17805, 17625, 17590, 15595, 15570, 15535, 11840, 11665, 9670, 9635, 9530(Sa.Su), 7492.8ssb, 7375, 7320(Sa.Su), 7310, 7270, 7260, 7210, 7185, 7175, 6175, 6090, 6035, 5940(Sa.Su), 5905, 4485, 4050; 09-0930 overall including 09-0930 except Tue,Thu "Radio Station Soyuz" (from 1st Pgm), 09-0930 Tue & Fri "For Soviet Specialists in Asia and Africa", Eu,Af,As,Au,Am 21840, 21830, 21755, 21655, 21615, 21550, 21505, 21460, 18770usb, 18730usb, 18402usb, 17880, 17870, 17850, 17835, 17805, 17755, 17745, 17730, 17710, 17690, 17615, 17560, 16340usb, 15585, 15540, 15535, 15510, 15495, 15360, 15340, 15305, 15230, 15220, 15190, 15185, 15180, 15175, 15110, 14850usb, 14437usb, 13775, 13735usb, 13725, 13625, 13370usb, 12070, 12040, 12035, 12030, 12020, 11990, 11980, 11870, 11850, 9865, 9630, 7380, 4766-Cuba; 10-11 World Service 21840, 21830, 21755, 21655, 21615, 21550, 21460, 18870usb, 18730usb, 18402usb, 18195, 17880, 17850, 17835, 17805, 17795, 17755, 17745, 17730, 17710, 17690, 17645, 17615, 16340usb, 15585, 15540, 15525, 15510, 15495, 15475, 15360, 15305, 15230, 15220, 15190, 15180, 15175, 15110, 14437usb, 13775, 13755, 13735usb, 13725, 13370usb, 12070, 12060, 12035, 12030, 12020, 11980, 11870, 11850, 11830, 11710, 9880, 9865, 9810, 9625, 4766-Cuba; 12-13 World Service Eu,Af,As,Au,Am 21840, 21795, 21755, 21550, 21460, 18870usb, 18730usb, 18402usb, 18195, 17880, 17870, 17835, 17745, 17690, 17645, 17615, 16340usb, 15585, 15540, 15525, 15495, 15230, 15205, 15180, 14437usb, 13775, 13755, 13725usb, 13715, 13370usb, 12070, 12060, 12035, 12030, 12020, 11980, 11975, 11870, 11850, 11830, 11690, 9880, 9865, 9810, 4766-Cuba; 13-14 Radiostantsiya Atlantika (from Riga except Tue,Thu & from Murmansk Tue & Fri) Eu,Af,Am 21460, 18870usb, 18370usb, 18402usb, 18195, 17880, 17835, 17745, 17690, 16340usb, 15585, 15540, 15495, 15230, 14437usb, 13775, 13735usb, 13715, 13370usb, 12070, 11975, 9865, 9810, 4766-Cuba; 1315-14 Radiostantsiya Tikhiy Okean (from Vladivostok) (May include brief items in English and French) As,Au 5015; 14-15 Radiostantsiya Rodina) Eu,Af,As,Au,Am 21460, 18870usb, 18730usb, 18402usb, 18195, 17690, 16340usb, 15585, 15540, 15405, 15475, 15230, 14437usb, 13775, 13735usb, 13715, 13370usb, 12070, 12065, 12030, 12030, 11975, 11830, 9890, 9855, 9810, 7390, 4766-Cuba; 16-1645 News(from 1st Pgm) Eu,Af,As,Am 21460, 18870usb, 18402usb, 16340usb, 14437usb, 13735usb, 13430usb, 13370usb, 12070, 12065, 12030, 9735, 9625, 9600, 9180usb, 7245, 4766-Cuba; 1645-18 overall including 1645-1730 Radiostantsiya Atlantika (1745 except Tue), 1730-18 Tue Only "For Soviet Specialists Abroad", 1745-18 Relay of Mayak, Eu,Af,As,Am 21460, 18870usb, 15375, 14437usb, 14410usb, 13735, 13430usb, 12070, 12065, 12030, 9865, 9830, 9780, 9760, 9735, 9715, 9630, 9625, 9600, 9550, 9180usb, 8005usb, 7245, 6910usb, 5920, 4766-Cuba; 18-19 World Service Eu,Af,As,Am 15185, 14437usb, 13430usb, 12070, 12030, 11020usb, 10670usb, 9890, 9880, 9855, 9845, 9810, 9760, 9715, 9630, 9625, 9510, 9505, 9480, 81251sb, 8005usb, 7450usb, 7400,

7300, 7295, 7275, 7245, 7155, 6910usb, 6045, 4766-Cuba; 19-20 Eu, Af, As, Am 14437usb, 12175usb, 11725, 11705, 11615usb, 11020usb, 10770usb, 10670usb, 9890, 9880, 9855, 9810, 9760, 9745, 9715, 9630, 9625, 9560, 9550, 9540, 9505, 9480, 7400, 7295, 7275, 7245, 7155, 6045, 4766-Cuba; 1930-2030 overall including 1930-2015 Radiostantsiya Tikhiy Okean (from Vladivostok) (May include brief items in English and French), 2015-2030 Music, As, Au 11665, 9845, 9780, 9735, 9675, 9625, 9565, 9505, 7315, 7245, 7135, 6035, 6020, 6000, 5960, 5015; 20-21 (Radiostantsiya Rodina) Eu, Af, As, Am 14437usb, 12175usb, 12070, 11725, 11615usb, 11020usb, 10770usb, 10670usb, 9890, 9880, 9865, 9810, 9760, 9745, 9715, 9630, 9625, 9560, 9550, 9540, 9505, 8005usb, 7400, 7340, 7295, 7275, 7250, 7245, 7205, 7145, 7130, 6045, 6020, 4766-Cuba; 21-22 World Service Eu, Af, Am 15180, 12175usb, 12070, 11725, 11615usb, 11020usb, 10770usb, 10670usb, 10235usb, 9890, 9885, 9865, 9760, 9745, 9715, 9630, 9575, 9560, 9550, 9540, 9505, 8005usb, 7450, 7400, 7390, 7315, 7295, 7250, 7245, 7235, 7225, 7210, 7205, 7200, 7145, 7135, 6890usb, 6045, 6020, 5920, 4766-Cuba; 22-2230 News (from Radio Orbita-2) 17660, 17645, 13710, 12175usb, 11715, 11020usb, 10770usb, 9890, 9865, 9840, 9745, 9715, 9630, 9550, 9530, 9505, 9490, 9180usb, 8005usb, 7450, 7315, 7295, 7230, 6890usb, 6020; 22-23 Fri "For Soviet Fishermen" (From Leningrad) Eu 5950; 23-24 (Radiostantsiya Rodina) Eu, Am 17850, 17815, 17645, 15230, 15220, 13710, 12175usb, 11615usb, 11020usb, 10770usb, 9865, 9745, 9710, 9505, 9450, 9320usb, 9180usb, 7450usb, 7420, 7380, 7340, 7235, 7230, 7105, 6890usb, 4766. (WBI 12/15)

"Escucha Chile" announcer refused Chilean visa - Radio Co-operativa, Santiago, in SP 2200 gmt 12 Jan 90. Text of report.

The Chilean government has banned the entry into Chile of Radio Moscow announcer (?Ekaterina Aleskaya), who worked on Radio Moscow programmes against Augusto Pinochet for more than 16 years. This information has been released by the Chilean Communist Party (PCCh).

The announcer, who since 1973 has worked for the "Esucha Chile" programme, which Radio Moscow broadcasts on shortwave, was invited to attend the celebration of the PCCh's 68th anniversary. The announcer, who is more than 70 years old, has been in Buenos Aires for several days waiting for her visa for Chile. Today (12th January) she was officially told that she will not be granted a visa, the PCCh said.

The Pinochet administration on several occasions lodged protests with the United Nations against the Radio Moscow programmes to Chile, which began one week after the military coup of 1973. The USSR and Chile have had no diplomatic ties since that time.

For more than a decade, Radio Moscow guided those who sought to restore democracy in Chile, especially the underground communist activists who were persecuted by the regime. Many people who did not belong to any party also listened to the Radio Moscow programme because of the strict constraints in Chile. The regime's security services monitored the "Escucha Chile" programme daily and the regime made many unsuccessful attempts to interfere with it. (WBI 1/19) & also see "Clandestine(s) below. (bmm)

Radio Station Peace and Progress resumes broadcasts in Azeri - Monitoring research 14 Dec 89. Radio Station Peace and Progress was observed on 14th December with its scheduled broadcast in Azeri at 1600-1630 gmt on 15320, 12065, 9665 and 7325 kHz. (WBI 12/22)

Radio Peace and Progress Indonesian broadcast no longer observed. Monitoring research Jan 90. The radio station Peace and Progress broadcast in Indonesian is no longer observed at 1130-14 gmt on Tuesdays and Wednesdays. On these days Radio Moscow's Indonesian programme has been extended to 60 minutes (13-14 gmt), as on other days of the week. (WBI 1/19)

Radio Tashkent, Uzbek SSR Sked - This schedule is divided as follows: (1) Broadcasts are not affected by time changes. (2) Broadcasts will be one hour earlier during summer time in the USSR.

Radio Tashkent (1): 0230-03 Uzbek ME 11975, 9785, 7335, 7305, 5955; 12-1230 EG As, 1230-13 Urdu As, 13-1330 Hindi As, 1330-14 EG As, 14-1430 Urdu As, 1430-15 Hindi As 15470, 11785, 9600, 9540, 5945; 1520-1550 Dari As, 1550-1630 Uzbek ME, 1630-17 Persian ME, 17-1730 AR ME, 1730-1830 Uzbek ME, 1830-1900 Persian ME 12000, 9540, 7285, 5945, 5935.

Radio Tashkent (2): All in Uighur to Asia: 0030-01 5915, 5035; 1230-

1330, 1430-15, 1530-16 6135, 5915, 5035; 2330-24 5915, 5035. (WBI 12/15)

Tajik Radio First Programme, Dushanbe, Tajik SSR - When not carrying its own programmes, Tajik Radio relays All Union Radio's Orbita-4 service from Moscow. During summer time in the Tajik SSR, all programmes will be one hour earlier than shown. Sked: 0000-2000 overall Multilingual 4635 w/freq change at 0015 9785 added, 0015-0020 Programme preview (Tajik/RR), 0020-0035 News (Tajik), 0215-0220 Weather report (Tajik/RR), 0220-03 Mon-Fri "Breeze of time" (Social/economic programme), 0315-0330 Tue-Sat Republican press review (Tajik/RR/Uzbek), 0350-04 Thu Review of 'Literature and Art' (Tajik), 0350-04 Fri Review of 'Komsomol' (Tajik/RR), 07-0715 News (Tajik), 08-0855 "Rural Life" (Tajik);, 10855-09 Weather report (Tajik), 10-1010 News (Tajik), 1010-1020, 13-1310 News (RR), 1310-1320 News (Uzbek), 17-1715 News (Tajik) 9785 4635, 18-1805 Programme preview for following day (Tajik/RR), 1805 Freq change 4635. (WBI 12/22)

Tajik Radio Second Programme, Dushanbe Sked: 0000-19 Daily Multilingual ME 4975 (but WBI 1/5 reports since 12/27 on 7245, possibly replacing 4975, which has been unheard for some time. (includes local programmes, relays of Radio Orbita-4 and Tajik Radio's external service) (WBI 12/22) The freq 7245 heard hear at 0201 w/AKO QRM on 1/24 (bmm)

URUGUAY - 11835, 0039, R. El Expectador (reactivated), SS, M talk. At 0045 ad then 2 M talking about Futbol. What sounded like a singing ad at 0051-0052 then M talk & another ad at 0054 then M talk mentioning Futbol & what sounded like crowd cheering (maybe promo) then at 0056 M "Attencion" & gave R. El Expectador ID & mentioned Radio Oriental at 01 then into news on 12/29 (bmm-R)

VIETNAM - Beginning 0000 on 1/1/90, the Voice of Vietnam in EG will come on at 10, 1230 (new), 1330, 16, 18, 19, 2030 & 2330 on (as announced today at 2315 on 12/28) 15010, 9840 and 12020 (announced in this freq sequence; announcement was first made by W, then M repeated details) At 11, the broadcast will now be available on 1010 kHz (297m). (Lim Kong Jin, Penang Malaysia in his "SE Asia DX News No. 6")
Voice of Vietnam, Hanoi Domestic Service Sked: 2145-1600 10049, 6448, 4895 (WBI 1/19)

CLANDESTINE - Radio Magallanes and "Escucha Chile" broadcasts to end. Radio Magallanes, Moscow, in Spanish 0100 gmt 14 Dec 89. Excerpts from commentary. The Radio Magallanes programme from Radio Moscow International was born during a moment of complete press censorship in Chile... Those who are with the people's struggle face a responsibility that is greater than that of the past, and no less that of the future. They will participate, together with the democrats, in the birth of Chile as a sovereign, fair and progressive country. Popular newspapers are again circulating, together with those of the opposition. Opposition voices may be heard on radio and TV. Radio Magallanes will soon appear again in Chile. We at Radio Moscow only took over temporarily. The appropriate thing now is that Radio Magallanes should occupy the high position it has won with its excellence and consistency. With the democratic triumph of tomorrow, we will turn off our equipment here in Moscow.

Radio Magallanes, Moscow, in Spanish 0100 gmt 16 Dec 89. Excerpt from "Mailbag" programme. Chilean history is changing. We, with our programmes, your letters, the country's news and our weekly chats were also part of these past 16 years. Since the deadline was met, since the historical day of relief has passed, the Radio Magallanes programme will close its studios on Sunday (presumably 17th December).

However, the "Escucha Chile" programme that has also been with you through the hardest times and is now accompanying you in these times of hope and progress will remain with you until March (presumably March 1990), when President-elect Aylwin is scheduled to take office), until the man (referring to Pinochet) is actually relieved...

Monitoring research 20 Dec 89 - When checked on 20th December, frequencies which previously carried the 0230 gmt Radio Magallanes programme were found to be broadcasting Radio Moscow's general service

in Spanish for Latin America.

(Editorial note: Radio Magallanes, a radio station which operated in Santiago, Chile, until the fall of President Allende was offered airtime by Radio Station Peace and Progress and has broadcast from the USSR since January 1977. The "Escucha Chile" broadcasts have been carried by Radio Moscow since November 1973) (WBI 12/22)

Radio Patria Libre - This radio station was first traced on 27th October 1988 although Radio Progreso (Havana) mentioned it as early as 11th October.

Broadcasts are hostile to the Colombian government. Radio patria Libre describes itself as a "voice of the new Columbia ... a voice for the Camilist Union - Army of National Liberation." Sked: 0030-0115 Daily SP Am 6290v. (WBI 1/12)

Radio Venceremos - 0000-0115, 02-0315 Daily, 1215-1315 Mon-Sat, 14-1515 Sun, 18-1915 Mon-Sat, 20-2115 Sun SS (Main broadcast) 6835v, 6340v, 3550v. Additional Data: Radio Venceremos announces its address as: P.O. Box 7-907, Mexico City, D.F., Mexico. (WBI 12/15)

Voice of the National Army of Democratic Kampuchea - 2315-02, 08-09, 10-14 Cambodian, 14-15 VT 5408v. (WBI 1/12)

Voice of the DAB - This radio station, which probably operates from the Thal/Burmese border area, announced that it began broadcasting on 4th Dec 89. Programmes support the Democratic Alliance of Burma, which is opposed to the government in Rangoon. Its main objective is to restore democracy in Burma.

Voice of the DAB broadcasts in Arakan, Chin, Kachin, Karen, Lahu/Wa, Mon, Pa-O, Palaung and Shan languages, as well as in English and Burmese. Sked: 0130-0330 to As on 7137.5 multilingual w/pgm in EG 0215-0230. (WBI 1/5)

National Front for the Salvation of Libya/Libyan National Movement - Voice of the Libyan People (Arabic: Sawt al-Sha'b al-Libi) was first heard on 13th September 1982. It broadcast from a transmitter in Sudan until President Numayri was deposed in April 1985. Broadcasts resumed, possibly on 10th June 1985, from a different transmitter believed to be in Iraq. However, in March 1987 the transmitter was traced to a location in the south of Chad. The station describes itself as the voice of the National Front for the Salvation of Libya (Arabic: Sawt al-Jabha al-Wataniyyah li Inqadh Libya).

Since April 1988 what appears to be a separate station has been observed showing frequencies with Voice of the Libyan People. It identifies itself in Arabic as Voice of the People, Voice of the Libyan National Movement.

Frequencies and transmission times are subject to constant variation.

Voice of the Libyan People/Voice of the People Sked: 05-07 (Voice of the Libyan People) 15700, 11825; 14-18 AA 11825; 18-20 (Voice of the People) 11825; 20-22 AA (Voice of the Libyan People 11825, 9450; 22-24 AA (Voice of the People) 9450. (WBI 1/19)

My observations: 9450 at 2343, ME music then M talk w/ID at 2346. Not same as at 05, so 2 different "Voice of Libyan People" broadcasts apparently. This followed by marital music and 2347* on 12/31. 9500, 2228, AA M talk then band music at 2231. Jammer underneath on 1/2 and at 0522 same day over jammer ex 11825. M AA mentioning Qadaffi t/0523 then ME music. Co-channel R. Tirana which signed off at 0528 and then s/on again at 0530. Note: Seems to be just on 9450 now for all broadcasts, but check 11825, 9500 & 9425. (bmm)

Voice of Malayan Democracy ceased broadcasts on 1/1/90 after the Malaysia Communist Party and the Malaysian govt signed a peace treaty (Media Network via "ADKN" Jan 90")

Voice of Unity - Pashto: De Wahdat Ghazh, Dari: Inja Sada-ye Wahdat asT) was formerly known as the Voice of the United Muslim Fighters (Mojahedin) of Afghanistan. It was first heard in May/June 1980. An address for listeners letters is given as: Voice of Unity, Radio Muslim Mojahedin of Afghanistan, P.O. Box 2605, 2000 Hamburg 60, West Germany. Sked: 0130-0225, 12-1255, 1515-1610 all in Pashto/Dari on 11490, 15685, 12230. (WBI 1/5). Hope everyone has been having good listening conditions and not going crazy like I am trying to keep up with all the exciting things going on. 73's, Bruce

QSL Reports

Sam Barto
47 Prospect Place
Bristol, CT 06010



ABU DHABI: Voice of the United Arab Emirates 13605 f/d folder cd. in 7 wks. w/ schedule. v/s Ahmed A. Shouly, Director. (Butcher-MA). 11985 same cd. in 34 ds. (Peake-IA). same w/ stickers and personal note in 25 ds. for 2 IRCs. and \$1.00. (Carson-OK).

ALASKA: KNLS 7355 f/d "Station Photo" cd. w/ schedule and ltr. in 28 ds. for ms. v/s L. Wesley Jones, Director. (Bishop-FL).

ANTARCTICA: AFAN 6012 n/d "Welcome to the Club" cd. w/ ltr. in 1 mo. for 82 reception after 4 tries. v/s Lt. M.R. Reed, Administration Office. (Palmer-MN).

ARGENTINA: Radio Argentina Al Exterior 11710 f/d cd. in 32 ds. v/s Gabriel Ivan Barrera. (Barhyd).

ARMENIAN SSR: Radio Moscow
12025 via Yerevan f/d cd. in 2 mo. (Kohlrenner-PA).
* Radio Magallanes 9470 via Yerevan f/d cd. in SP in 2 mo. (Barto-CT).

ASIATIC RUSSIA: Radio Moscow
17840 via Petropavlovsk - Kamchatsky f/d cd. in 70 ds. (Gaharan-LA). 17570 via Komsomolsk-on-Amur f/d cd. in 2 mo. (Kohlrenner-PA). 12050 via Khabarovsk f/d cd. in 2 mo. (Kohlrenner). 21690 via Vladivostok f/d cd. in 45 ds. (Watts-KY). 21790 via Irkutsk f/d cd. in 45 ds. (Watts).

AUSTRALIA: Radio Australia 9580 via Shepparton f/d "Koala Bear" cd. w/ schedule, T-Shirt and ltr. in 180 ds. for ms. v/s Michael Taft. (Foxy-VA). "BiCentennial" cd. w/ sticker in 21 ds. (Terrence-NY). VNG 15000 f/d cd. w/ schedule in 30 ds. (Bishop-FL).

AUSTRIA: Radio Austria International 9870 f/d "Walser Valley Royal Costume" cd. in 111 ds. (Peake-IA). 9875 f/d cd. w/ schedule in 41 ds. (Gaharan-LA). 6015 f/d "Klagenfurt, Carinthia" cd. in 68 ds. for 2 IRCs. (Carson-OK).

AZERBAIJAN SSR: Radio Moscow 15260 via Baku f/d "Lenin Mausoleum" cd. in 2 mo. (Kohlrenner-PA).

BAHRAIN: (Don't get excited): Bahrain Broadcasting and Television 15505 * via Radio Kuwait f/d ltr. in 2 mo. w/ statement "We use the facilities of Radio Kuwait for our shortwave broadcasting at present on 15505 Khz." v/s Abdul Rahman Abdulla, Director of Broadcasting. (Barto-CT). Not a new country but interesting...Sam.

BANGLADESH: Radio Bangladesh 15195 p/d "Tiger" cd. w/ personal ltr. in 6 wks. for a taped rpt., 2 IRCs and \$1.00. Station welcomes taped rpts. v/s Masudul Hassan. (Klink).

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SM Gong (T'ang Tam) from Amoying Island, used in village to village communications and in custom ceremonies.

To Joseph Zobro
of U.S.A.

I AM PLEASED TO VERIFY YOUR
RECEPTION OF THIS STATION
as listed.
AT G.M.T. DATE

ON 1125-9945, 7260 Khz

Greg
FOR RADIO VANUATU
P.O. Box 49,
PORT VILA, VANUATU

21790 via Irkutsk f/d cd. in 45 ds. (Watts).

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BELGIUM: BRT 9925 f/d "Genk" cd. in 70 ds. (Zobro-MI). f/d "Facade of Brussels Townhall" cd. in 70 ds. (Zobro-MI).

BOLIVIA: La Cruz del Sur 4875.5 f/d prepared cd. w/ schedule in 36 ds. for a SP rpt., ms. and a shack photo. (Hosmer-MI).

BONAIRE: Trans World Radio rcvd. "Confirmed all TWR shortwave transmitter sites" certificate # 7 in 1 mo. (Macharg-IN).



BONAIRE: Trans World Radio 9535 and 11930 f/d "25th Anniversary" cd. in 1 mo. (Foxy-VA). Radio Nederland 15560 f/d cd. in 27 ds. w/ schedule. (Suzuki-JPN).

BORNEO: RRI Palangkaraya 3325 f/d prepared cd. * in 26 ds. for an IN rpt. and ms. v/s Amiruddin. (Palmersheim-MN).

BRAZIL: Radio Guarujá ZYE891 5980 f/d prepared cd. in 55 ds. for a PT rpt. and \$1.00. v/s Irineu Comelli Jr., Director. (Palmersheim). Swiss Radio International 17730 via Radio-Bras f/d "Cathedral and Castello Grande" cd. in 19 ds. for 1 IRC. (Butcher-MA).

BYELORUSSIAN SSR: Radio Moscow 15455 via Orsha f/d cd. in 2 mo. (Kohlbrener-PA).

CANADA: Radio Japan 6120 via Sackville n/d cd. * in 41 ds. (Carlsen-OH). Adventist World Radio 6005 via CFCX f/d cd. in 9 mo. for a taped rpt. and 3 IRCs. Program is on Sundays only. (Matthews-OH).

CHINA, PEOPLES REP. OF: Radio Beijing 7405 via Xi'an f/d cd. in 24 ds. (Hosmer-MI).

11685 f/d "Rooster" cd. w/ stickers in 39 ds. for 1 IRC. (Carson-OK). 9690 f/d cd. w/ pennant in 29 ds. (Levison-PA). Xinjiang PBS 5800 via Urumqi f/d "Vase" cd. direct from station in 45 ds. direct from the station. for an EG/CH rpt. and ms. (Hosmer-MI). Fujian PBS 5040.1 f/d cd. in 32 ds. direct from station. (Palmersheim). Voice of Jingling 4875 f/d cd. in 1 mo. for \$1.00. (Hazzard-PA). CPBS 5075 via Beijing f/d cd. w/ XMAS cd. in 21 ds. (Hosmer). Swiss Radio International 9620 p/d "Lausanne" cd. in 16 ds. (Suzuki-JPN).

CLANDESTINE: Voice of the Libyan People 15700 ltr. from the Chicago addr.

* stated that I did not hear their pgm. on this freq; then my next rpt. for 11825 pgm. resulted in QSL for both 15700 and 11825. Both responses in 1 mo. for ms. I guess the Chicago addr. is not kept current * about their freq. usage. (Renfrew-NY). Voice of the National Army of Democratic Kampuchea 5407.9 f/d prepared cd. in 24 ds. for ms. v/s Song Theng, Third Secretary. (Palmersheim-MN). Radio Iran Toolers 10870 f/d prepared cd. in 25 ds. for \$1.00. via the Sweden addr. v/s John Takman, M.D. (Palmersheim-MN).



via Nick Terrence

MINISTRY OF INFORMATION AND NATIONAL GUIDANCE
SOMALI BROADCASTING SERVICE
FOREIGN RELATION DEPARTMENT
= RADIO HOGADISHU =

DEAR Mr./Mrs./Ms/Miss A. VRANES JR.

Date:
your Ref.
our Ref.
Enc.

In response to your request for QSL admission from Radio-hogadishu you are recommended to pursue the following procedures:

1. To send reception report of Radiostation broadcast; if I not tape recording approving that you heard our station MUST be sent to us. 2. to enclose application processing FEE in the sum of \$50.00 American express card.
3. Nothing is being and possible for you to get from the station, if you DON'T complete and follow the above_shown procedures.

Upon receiving the arrangements you will be informed and sent the QSL verification card to you at an appropriate time.

Thank you for your recent inquiry and wish you best of lucky in your endeavors.

SINCERELY,

Mohammed Hassan
For Mr. Mohammed Hassan Head.
The Head of Foreign Relation Department
RADIO- HOGADISHU.
30th Street
Box. 6100
HOG/SOM.

Please Note: The letter to the left from Radio Moga-dishu was sent to us from Alex Vranes, Jr. I have been waiting for just this type of letter for quite some time. The enclosure of American dollars instead of mint stamps or IRCs has led us to this situation. It was to be expected. You as individual DXers may do as you wish; however, I believe that other types of enclosures or "gifts" to the station in question will serve its purpose. The enclosure of mint stamps or IRCs along with used collect-able stamps, postcards, or station stickers, decals, etc. will often work along with a friendly request for a verification. An interesting topic to be sure...let me have your comments...Sam.

PLEASE NOTE: As the situation presently stands it looks as though I will not be present for the Winter SWL Fest. Drat! I really enjoyed meeting the attendees last year and especially the contributors to this Column. My daughter, who attends UPENN in Philadelphia, recently broke several long standing swimming records at Cornell, Princeton and several at UPENN. These were all in the 100 yard butterfly. The ECAC Championship finals are scheduled on the same weekend as the Winter SWL Fest. They will be held at the Univ. of Pittsburgh. Its family...I gotta go or my wife will kill me! Next stop may be NCAAs or trials for some national or international event.



CLANDESTINE: Voz do Galo Negro... Jim Renfrew of 61 Wilcox St., Rochester, * NY 14607-3832 needs the most current addr. The 1850 K. St., Suite 370NW, Washington DC. have been returned....Any help?...Sam.

COSTA RICA: Adventist World Radio 11840 f/d cd. in 5 mo. after 3 f/up rpts. for \$1.00. (Gaharan-LA). 11870 f/d "Map" cd. in 85 ds. w/ schedule for \$1.00. v/s David Gregory, General Manager. (Connor-PA). same w/ personal ltr. in 3 mo. (Field-MI).

CUBA: Radio Habana Cuba 9655 f/d cd. w/ schedule in 168 ds. (MacHarg-IN).

CZECHOSLOVAKIA: Radio Praha 7345 f/d "Orlik Chateau" cd. in 1 mo. for 1 IRC. (Carson). rcvd. 3 f/d. cds. in 1 mo. for 1 IRC. (Carson-OK). 21450 f/d "Chlumeck Nad Cidinou Chateau" cd. in 30 ds. for 1 IRC. I sent the station a map of OK! (Carson-OK). 6055 via Velke-Kostolany p/d "Hluboka Chateau" cd. in 55 ds. (Butcher-MA).

DOMINICAN REPUBLIC: Radio Amanecer 6025 and 1565 n/d ltr. in 30 ds. for a SP rpt. and ms. v/s Ing. Socrates Dominguez, Director. Postcard rcvd. Also mentioned rpts. from Jensen and Potter. (Vranes-PA).

DUBAI: UAE Radio Dubai 21605 f/d cd. w/ paper pennant in 38 ds. for 3 IRCs. v/s K.F. Fenner. (Carson-OK).

ECUADOR: HD210A 7600 f/d cd. w/ sticker and ltr. in 17 mo. * for a SP rpt. and ms. v/s Victor Yepez Valarezo. (Foxy-VA). **Radio Centro** 3289.8 f/d ltr. in 35 ds. for a SP rpt. v/s Luis A. Gamboa T., Director Gerente. Sticker and 5 sucre banknote rcvd. (Barto-CT). (Hazzard-PA).

ETHIOPIA: Voice of Ethopia 9660 f/d cd. w/ sticker in 55 ds. for \$1.00.

EUROPEAN RUSSIA: Radio Moscow 13710 via Moscow f/d cd. in 2 mo. (Kohlbrener) 15520 f/d "Arbat Square" cd. in 66 ds. (Butcher-MA). 9470 f/d "Moscow State University" cd. in 45 ds. (Butcher-MA).

7390 via Serpukhov f/d cd. in 2 mo. (Kohlbrener). 15550 via Tula f/d cd. w/ brochures in 9 wks. (Butcher). **Radio Magallanes** 9880 via Moscow f/d cd. in SP in 2 1/2 mo. (Barto-CT). 9865 via Armavir f/d cd. in 66 ds. w/ schedule. (Butcher-MA).

FRENCH GUIANA: Radio France International 21645 f/d cd. via Paris in 9 wks. for a rpt. sent to the site. (Klinck). **Radio Beijing** 11695 f/d cd. w/ sticker in 23 ds. v/s LiFang. (Peake-IA).

GERMAN DEMOCRATIC REPUBLIC: Radio Berlin International 21465 f/d "Wernigerode-Rathaus" cd. in 33 ds. (Carson-OK). f/d cd. in 19 ds. (Suzuki-JPN). 21465 f/d "Cottbus" cd. in 24 ds. (Suzuki). 11785 f/d cds. in 25 ds. (Peake-IA). 9730 f/d cd. in 33 ds. (Carson).

GHANA: Ghana Broadcasting Corporation 4915 f/d cd. in 34 ds. for \$1.00. (Hazzard).

GUAM: KTWR 11805 f/d cd. in 1 1/2 mo. w/ personal ltr. and schedule. (Field-MI).

1310AM. RADIO NACIONAL ESPEJO 4880. ONDA COSTA
 Encuentro del Tumbador 21366 + 21106 + 21008, Apartado 242, Guaymas-Guadalupe
 Quito, 5 de Octubre de 1989.
 Robert Allred.
 Calle 601
 Quito.
 Escribíale este en un recortador plegado para enviarlo al poder contactar se puede enviar o al menos tiempo verificar su reparto de entrega del día 30 de Octubre de 1989.
 Escribíalele de, cuando RADIO NACIONAL ESPEJO de Quito el día 30 de Octubre de 1989. de los 1310AM, hasta los 1310AM, y así la demografía nuestra mejorada, y queda mejorando un resultado.
 RADIO NACIONAL ESPEJO no me interesa como más de 47 años de vida nuestra programación no varía, música, deportes, noticias, literatura, etc. Nuestro programa de radio es de 1310AM, nacional una semana por semana, sin ser posible de 30 minutos y una semana de 20 minutos de altura en forma de T.
 Me regrese y al momento trabajé aquí en Radio E. Espero ya que el poder político en el mundo no lo mismo, el amor de otro no herencia y también en hijo de 3 años.
 Como aproximadamente había y medio hora al poder de recibir un reparto de material de nuestro programa en un país. Sin un OFICIAL alguna vez lo envío por parte de la Isla del Sur, en la Provincia de TUMBADOR al nombre del presidente en el poder W.D. CHARRLES.
 Me era delgado y concurri. amor por los mensajes y el amor de mi esposa y del trabajo de mi programación.
 Me speak and write a little English. Espero que me ayude de mi trabajo.
 Hoy quiero lo entiendo cualquier alguna necesidad de nuestro programa. Solo lea todo los mensajes que trabajamos en RADIO NACIONAL ESPEJO quedamos como una más felices y seguiremos escribiendo.
 RADIO NACIONAL ESPEJO
 W.D. CHARRLES
 1310AM



Notes: Kurt Cox in Leasburg, OR states that he nearly gave up on Jordan until he got this most wanted QSL. He is eagerly anticipating cooperative solar conditions during the Winter DX season. Dave Turnick needs the address for WYMN. So do I. Anyone got it?...Sam. Don Hosmer, long time DX'er, says that the prepared cd. he received from Radio Los Andes was the first one he ever had returned: Marienne Barhydt in Milwaukie, OR asks about reporting to the QSL Column. Your format is fine. You don't even need to cut your items apart. My fingers are fine and I can cut your items apart...Sam. Jerry Klinck was looking through some old reports from the 60s and noted that the normal response time was 5-6 weeks. Not so today. He also says that he has sent 5 reports to Radio Australia along with 4 follow up reports over the past 8 months. All reports had ms. and IRCs but he hasn't even received an acknowledgement. The way things are going today this is not all that unusual...Sam. Kirk Allen in OK says he goes through DX listening phases. (So do I.) He was very glad

that Radio Fides replied after 12 tries! I've been trying Azores on 13584 but no luck as per your tip...Sam.

GUAM: KTWR 11805 f/d cd. w/ pennant in 3 wks. for \$1.00. (Kohlbrener). AWR-ASIA 13720 f/d "Beach Resort" cd. in 28 ds. from ARDXC for 2 IRCs. v/s Max Krumbek, QSL Manager. (Suzuki-JPN).

GUATEMALA: Radio K'ekchi TGVC 4845 p/d personal ltr. in 167 ds. w/ paper pennant. v/s Gilberto Sun Xicol, Gerente. (MacHarg-IN). p/d ltr. in 361 ds. for a prepared cd., 1 IRC and used stamps. (Bishop-FL). Union Radio 5982 f/d "Map" cd. w/ pennant in 33 ds. for a SP rpt. (Bishop). La Voz de Atitlan 2390 f/d cd. w/ personal ltr. in 43 ds. for a SP rpt. and used stamps. v/s Juan Ajtzip Alvarado, Director. (Bishop-FL).

HOLLAND: Radio Nederland 6020 f/d cd. in 5 wks. (Klinck).

HONDURAS: Sani Radio HRRI 4755 n/d SP ltr. in 1 mo. for an 87 reception for \$1.00. (MacHarg-IN).

ICELAND: INBS 15767 f/d "Fra Porsmork" cd. in 45 ds. for \$1.00.

(Carlsen-OH), same in 7 wks. for a taped rpt. and 2 IRCs. (Kli-
INDIA: All India Radio 9910 p/d "Golden Temple at Amritar" nck). cd. in 42 ds. (Butcher). 11620 f/d cd. in 42 ds. (Gaharan). 15050 f/d cd. w/ sticker in 2 mo. (Barto)...Anyone know the site?...Sam.

IRAN: IRIB 9022 f/d cd. in 4 mo. (Hazzard-PA).

IRELAND: Radio Stella International 6320 f/d "Black Rock Castle" cd. in * 18 ds. for \$1.00. Photo rcvd. (Connor-PA).

ISRAEL: IBA 11605 f/d cd. in 29 ds. w/ schedule. (Bloomer-MI).

ITALY: AWR-Forli 7125 f/d "World Map" cd. in 30 ds. for 1 IRC. (Watts-KY)



same in 6 wks. for 1 IRC. (Kohlbrener) RAI 9710 p/d cd. in 94 ds. (Suzuki-JPN).

JAPAN: Radio Japan 15325 f/d "Nara" cd. in 44 ds. w/ schedule. (Levinson-PA). 9505 same cd. w/ map of Japan in 41 ds. (Carson-OK). 15310, 15135, 17825 and 15300 n/d cd. in 5 mo. (Barto-CT).

* NHK-Nabeta 3970 n/d ltr. in 2 1/2 mo. Also rcvd. phone calling cd. good for 50 units of calls. v/s Hayao Tanabe, Sr. Engineer (Palmerheim)

NAVCOMMSTA

Department of Defense

NAVCOMMSTA CANNBERA
HMAS HARBAN
CANNBERA ACT 3800

ROYAL AUSTRALIAN NAVAL COMMUNICATIONS STATION



TO P.O. Box 3074
64004
2026

Des Justine

1. Thank you for your reception report dated 5th March 1989

- NAVCOMMSTA Canberra transmits an area CIV broadcast simultaneously on six frequencies in the HF band. This broadcast is keyed by both NAVCOMMSTA Canberra (during Naval Periods) and Sydney commercial Coast Radio Station (during Merchant Periods).
- NAVCOMMSTA Darwin also transmits a time signal on a trial basis for Navy purposes. This signal is not a replacement for the signal from Lynchburg, Virginia (VHG), and users should note the service may be pre-empted without notice.

CW BROADCAST - Details of Transmission

Hours of Operation - Continuous
Frequencies - 4285, 6428.5, 6478, 12907.5, 16918.8, 22485, 28160 kHz
Emission - 100HA1A
Transmitter - ATSIQ, 10kW output
Antenna - Omni-Directional
Callign - VHP (Naval Periods) VIX (Merchant Periods)

TIME SIGNAL - Details of Transmission

Hours of Operation - Continuous
Frequencies - 6449.5 (6448) kHz, 12884 (12882) kHz
Emission - 2A0Q3E, 1 kHz pulsed tone
Transmitter - ATSIQ, 10kW output
Antenna - Omni-Directional
Callign - Nil

Time is indicated by the leading edge of the first wide pulse of three for the hour, two for the half-hour and a single wide pulse for the minute after four clipped lead pulses.

NOTES: Gerry Bishop, a member of the USAF, was recently on alert for Panama. He said he probably wouldn't have much time to DX but his radio was packed. You got the right attitude Gerry - I would do the same thing....Sam.

Dale Bloomer in Ann Arbor, MI has submitted his first two verifications. Thank you!

I don't even want to think back that far.

Donald Weber in Westlake, OH says that the mail is beginning to pick up a bit. He is especially pleased with the QSL from Yemen and the New Years card from Tashkent with the great stamped envelope. Your Editor recently received a very nice looking envelope from North Korea. I thought it was a QSL but it was nothing more than a Season's Greeting card!...Sam.

JORDAN: Radio Jordan 9560 f/d cd. in 11 mo. for ms. (Foxy). f/d cd. in 9 mo. for 1 IRC. (Hazzard). same in 385 ds. for a taped rpt. (Radtko-CA). in 357 ds. w/ station brochure. (Frodge-MI). in 145 ds. for 2 IRCs. (Estes-AL). in 305 ds. after a f/up rpt. (MacHarg-IN). 11955 f/d cd. in 9 mo. for a taped rpt. and 4 IRCs. v/s R. Alkhas, Director of Engineering. (Carson-OK).

KAZAKH SSR: Radio Orbita 4610, 5260 and 11950 f/d cd. in 2 mo. via * Moscow for RS transmission. (Barto-CT).

KOREA, REPUBLIC OF: Radio Korea 15575 and 9750 f/d "Parade Marchers" cd. in 34 ds. for 1 IRC. Stickers rcvd. (Carson). f/d "Tae Kwondo" cd. in 44 ds. for 2 IRCs. (Carson). 15585 cd. in 33 ds. (Bloomer).

LATVIAN SSR: Radio Riga 5935 f/d cd. in 78 ds. for \$1.00. (Hazzard-PA).

LIBERIA: VOA 17870 f/d cd. w/ schedule in 13 ds. for SASE. (Klinck).

LITHUANIAN SSR: Radio Vilnius 11790 f/d cd. in 69 ds. (Hazzard-PA).

MALAGASY REPUBLIC: Radio Nederland 15150 f/d cd. in 1 mo. (Garahan-LA).

MALTA: IBRA Radio 7110 f/d cd. w/ long personal ltr. in 12 ds. w/ pennant and stickers and \$2.00. v/s Mrs. Terry Murrell. (Butcher-MA).

MONACO: Trans World Radio 9485 f/d "Globe" cd. in 41 ds. w/ schedule for 3 IRCs. (Carson-OK).

NIGERIA: Radio Nigeria 4990 f/d "Lagos Airport" cd. in 60 ds. for 1 IRC. (Butcher-MA).

NIGER: La Voix du Sahel 5020 f/d form ltr. in 6 wks. for a FR rpt., tape and 3 IRCs. (Klinck).

PAPUA NEW GUINEA: Radio Morobe 3220 p/d ltr. in 24 ds. for ms. v/s A.R. Nase, Station Manager. (Vranes-WV).

Volkerschlacht/Jahmal Neues Gewandhaus Sachsendplatz Friedlaender am Hauptplatz Farbfotos: Lange, Leipzig (2) Mitzschke, Leipzig (2)	BILD UND HEIMAT - REICHBACH (VOGTL) ALBERTS - GUTSCHA - BERG (2)
07.11.89	
Date	
To <u>J. Sp. Carson (II)</u>	
Many thanks for your QSL / reception report of our programme	
on <u>26.10.89</u> at <u>04.24UTC</u>	
on <u>11785 kHz</u> <u>25.46</u> metres	
We look forward to hearing from you again soon!	
Radio Berlin International The Voice of the German Democratic Republic	



John Carson submitted the above photo of Pacifica DX Magazine producer, Bill Damick, in the KTWR (Trans World Radio) studio in Guam.



EAST COAST PIRATE RADIO



POST OFFICE BOX 6527
BALTIMORE, MARYLAND 21219

QSL # 15

This is to verify your reception of East Coast Pirate Radio on
1 October 1989 from 2303 to 0003 UTC, on a
frequency of 7415 kHz.

Transmitter: Viking II
Antenna: 1/2 wave dipole
Power: 100 watts

PAPUA NEW GUINEA:

Radio Central
3290 p/d form
ltr. in 38 ds.
for ms. (Vranes-
WV). Radio Ma-
dang 3260 f/d
personal ltr.
in 48 ds. for
ms. v/s Simon
P. Tiori,
Assistant Sta-
tion Manager.
(D'Angelo-PA).
PERU: Radio Tarma
4775 f/d long

form ltr. w/ full schedule and technical data in 4 1/2 mo. for a SP rpt. ms. and \$1.00. v/s Mario Monteverde P., Gerente Administrativa. Also rcvd. postcard w/ note from Sr. Monteverde and a 100 Inti bill. Very friendly individual. (Vranes-WV).

PHILIPPINES: FEBC 11850 f/d "Sailing Vinta in Southern Philippines" cd. in 77 ds. for 2 IRCs. (MacHarg-IN).

QATAR: OBS 11750, 15505 and 9535.4 p/d ltr. w/ cds. in 3 mo. for recep- tions in 82, 85 and 88. (Barto-CT).

RIO MUNI: Radio Africa 7190.3 f/d cd. in 47 ds. for ms. (Watts-KY). 9553 p/d cd. in 15 mo. for a SP rpt. and ms. (Huniwell-NJ).

SAIPAN: KHBI 15115 f/d prepared cd. in 35 ds. for SASE. (Carlsen-OH). 17780 n/d ltr., schedule and stickers in 4 wks. for ms. (Klinck). KFBS 12025 f/d "Transmitter Site" cd. w/ schedule in 4 mo. for a taped rpt. and ms. (Klinck).

SEYCHELLES: BBC Indian Ocean Relay Station 17885 f/d prepared cd. in 43 ds. v/s Peter J. Lovejoy, Senior Transmitter Manager. (Palmerheim-MN).

SOUTH AFRICA: Radio RSA 11935 f/d "Table Mountain - Cape Peninsula" cd. in 46 ds. (Carson-OK). 25790 and 21590 f/d "Karoo" cd. in 27 ds. for 1 IRC. (Carson). 21590 f/d "Flame Lily" cd. in 19 ds. (Suzuki-JPN).

SRI LANKA: Deutsche Welle 17800 and 21650 f/d "Globe" cd. in 27 ds. w/ site indicated. v/s Peter Senger. (D'Angelo-PA).

SWEDEN: Radio Sweden International 21570, 21610 and 11700 f/d "Malmo" cd. w/ new station stickers in 1 mo. (Carson-OK). 17880 via Horby 1, 21610 via Horby 2 and 21655 via Karlsborg f/d cd. in 13 ds. (Renfrew)

SWITZERLAND: Swiss Radio International 6135 f/d "Lau- sanne" cd. w/ schedule in 25 ds. (Peake-IA). 6095, 6135, 9725, 9885, 12035 and 17730 p/d cd. in 19 ds. w/ schedule for 2 IRCs. (Brouillette-IL). 9535, 17715 17840, 3985 and 15430

"SBC" cd. in 4 mo. (Bar- to-CT). Red Cross Broad- casting Service 9885 via Schwarzenburg f/d cd. w/ schedule and logo stick- er in 64 ds. for \$2.00. (Kacir-MI).

SYRIA: Radio Damascus f/d "Map" cd. w/ decal in 13 1/2 mo. for a taped rpt. and ms. Rcvd. via regis- tered mail. (Huniwell).

TAIWAN: Voice of Free China 5275 f/d cd. in 18 ds. (Hosmer-MI). 4090 and 6565 f/d "Northeast Coast Rocks" cd. in 3 mo (Barto-CT). Voice of Asia 7445 f/d cd. in 40 ds. for 1 IRC. (Watts).

TIBET: Xizang PBS 4035 f/d cd. via Beijing in 24 ds for EG/CH rpt. (Hosmer).

Masaru N. Sulaiman,
Maintenance Engineer,
Radio Tanzania Zanibar,
P.O. Box 1175,
Zanzibar,
Tanzania.
25/10/1985.

Dear Mr. D'Angelo,

We received your letter dated 25 September 1985 with a copy of a reception report of 15 November 1985. Thank you.

Your report of 07 November 1985 from 15:02 hrs to 15:55 hrs U.T.C. on a frequency of 11754 kHz is correct.

We transmit on 11755 kHz on 25 meters from 15:00 hrs U.T.C. to 15:15 hrs U.T.C. sometimes up to 15:20 hrs U.T.C. Also on 6055 kHz from 11:00 hrs to 20:00 hrs U.T.C. Hopefully you can hear us. Our station "ID" is "Hii ni Sauti ya Tanzania Zanibar". All of our programmes are in Kiswahili language.

I would very much appreciate a cassette containing a record of reception of "Sauti ya Tanzania Zanibar" some of your local stations and of course some of your current favourite music.

If you are interested about "Sauti ya Tanzania Zanibar", don't hesitate to contact us anytime.

Looking forward to your co-operation.

Wishing you all the best in your listening activities.

Your's Sincerely,

Masaru N. Sulaiman
25/10/1985

TOGO: Radio Toqo 5047 f/d cd. in 30 ds. for \$1.00. (Hazzard-PA).
UKRAINIAN SSR: Radio Moscow 7290, 9765 and 11750 via Lvov f/d cd. in 60 ds. (Rigas-IL). 17595 via Vinnitsa f/d cd. in 40 ds. (Renfrew-NY).
USA: WYFR 5950 f/d cd. in 15 ds. for ms. (Hart-FL). Radio Marti 9525 f/d cd. in 32 ds. for a SP rpt. (Turnick-PA). WWCR 7520 n/d cd. in 83 ds. for ms. (Frodge-MI). WMLK 9465 f/d ltr. in 55 ds. v/s Jacob O. Meyer, Elder. (Peake-IA). WHRI 13760 f/d "Logo" cd. in 56 ds. (Peake-IA).
USA (Pirate): Radio Angeline 6275 f/d "Dolls" cd. in 1794 ds. for an 84 reception. (Zeller-OH). Voice of the Abnormal 7411 f/d cd. in 1 mo. for a rpt. to the Pirate Pages. (Connor-PA). f/d cd. in 49 ds. (D'Angelo-PA). Samurai Radio 7450 f/d cd. in 23 ds. for ms. v/s Eddie Currents. (Connor-PA). Secret Society Radio 7410 f/d cd. w/ personal ltr. in 1 mo. (Field-MI). f/d cd. in 1 mo. for SASE. (Carlsen). 7419 f/d "Antenna Array" sheet in 158 ds. for ms. (Connor). Voice of Laryngitis 7435.1 f/d cd. w/ personal ltr. in 19 ds. (Zeller-OH). Voice of the Purple Pumpkin 15045 f/d "Logo" cd. in 24 ds. (Frodge-MI). 15036 f/d cd. in 27 ds. for ms. (Blight-MD). 15037.5 f/d cd. in 3 wks. for ms. 100 watts. (Allen-OK). East Coast Pirate Radio 7415 f/d form ltr. for a rpt. to ACE. (D'Angelo-PA). Radio EXP 7375 f/d ltr. in 21 ds. for ms. (Connor). WYMN 7412 p/d letter sized poster in 38 ds. for ms. (D'Angelo-PA). WBST 7490 p/d cd. in 44 ds. via Box 40554, Washington DC 20016. (D'Angelo-PA). Radio Garbanzo 7412.7 f/d cd. in 4 mo. for ms. (Renfrew-NY). Radio USA 7416 f/d cd. in 58 ds. for ms. (Palmerheim-MN). Free Radio One 7415 f/d "Certificate" cd. in 25 ds. for ms. (Allen-OK).

Mr. Gregory A. HART
 200 Gay St.
 Live Oak, FL 32060
 USA

MOSCOW, USSR

November 1, 1989

Dear Mr. Hart,

Thank you for writing to us. We have found your reception reports to be correct and are verifying them with two QSL cards.

Concerning your report of September 17, unfortunately, we cannot tell you where the transmitter is located, as the broadcast was conducted on a Single-Side Band with the suppressed carrier frequency.

Please find enclosed our new program and frequency guide.

Wishing you good listening,

Sincerely yours,

O. Freshman

Olga Troshina (Miss)
 World Service
 Letters Department

Andes 6010.6 f/d prepared cd. in 25 ds. for a SP rpt. Also rcvd. 2 small gold stickers. (Hosmer-MI).

VIETNAM: Voice of Vietnam 15010 f/d cd. in 72 ds. (Hazzard-PA).

YEMEN ARAB REPUBLIC: Radio Sana'a 5950 and 9779.3 f/d ltr. in 7 mo. v/s Inge. Abdullah Farhan. (Barto-CT). 9780 f/d ltr. w/ rubber stamp. in 222 ds. after a f/up rpt. for 2 IRCs. and \$1.00. (Weber-OH).

YUGOSLAVIA: Radio Ljubljana 9620 via Radio Yugoslavia f/d "Map/Logo" cd. * in 15 mo. for 1 IRC. (Palmerheim-MN).

Mr. Richard A. D'Angelo,
 2216 Burkey Drive,
 MYRSEIM, P.A. 19610,
 U.S.A.

Dear Sir,

SUBJECT: RECEPTION REPORT

Thank you for your reception report of Radio North Solomons dated 9th September 1989.

Please be informed that your report has been confirmed correct. Details of your report correspond very well with our programme log for that date.

Radio North Solomons operates on frequency 3325 kHz in the 96 metre short-wave band. Our time of transmissions are 0500-0900 hours and 1700-2400 hours our local time.

Thank you once again for an accurate report. We hope you can listen to our broadcasts again in future.

Well I guess this concludes another QSL Column. A few reports were left out but they will be in the next Column. Greetings to everyone at the Winter SWL Fest. Have a great time. One of these days I'll make it. Sooner or later my photo will get into the heading.

Best of QSLing.....

Sam

Contributors' Page

Kris Field
431 Babylon Road
Ambler, PA 19002-2302



LOGGINGS CONTRIBUTORS — FEBRUARY 1990 — DEADLINE 12th of MONTH

The following members submitted loggings this month:

Brian ALEXANDER, Mechanicsburg, PA
Norman BOBB, Minneapolis, MN
Bill BREEDEN, Omaha, NE
John CARSON, Norman, OK
Kurt COX, Leaburg, OR
Richard D'ANGELO, Wyomissing, PA
Peter DILLON, Greece
Alexander DURANT, Albany, NY
Paul EATON, Cleveland, NC
Bill ESTES, Huntsville, AL
Kris FIELD, Ambler, PA
Marlin FIELD, Hillsdale, MI
Karl FORTH, Chicago, IL
Harold FRODGE, Midland, MI
Harold FRODGE, Island Lake, MI
Mike HARDESTER, Okinawa
Hans JOHNSON, Savannah, GA
Rufus JORDAN, Pittsburgh, PA
W. KARCHESKI, Holden, MA
Jerry KLINCK, West Seneca, NY
Fred KOHLBRENNER, Philadelphia, PA
John LACKMAN, Lexington, VA
Harold LEVISON, Philadelphia, PA
Ken MACHARG, Jeffersonville, IN
Don MOORE, Big Rapids, MI
Don MOORE, Bellefonte, PA
Don MOORE/Dave VALKO, Dunlo, PA
David MORBY, Clifton Park, NY
Bill NEWCOMER, Woodlyn, PA
Dale PARK, Honolulu, HI
Martin PECK, Bronx, NY
John PRATH, Ft. Lauderdale, FL
Leonard R. PRICE, Annandale, VA
Ronald PURDUE, Byron, MN
Christos RIGAS, Chicago, IL
David ROSINSKY, Francis Creek, WI
Andrew RUGG, Nuns Island, Quebec
Bob RYDZEWSKI, Santa Cruz, CA
Mitch SAMS, Wichita, KS
Roland SCHULZE, Stuttgart, W. Germany
Nick TERRENCE, Huntington, NY
Jim STREITMATTER, South Bend, IN
Bill TAYLOR, Unionville, PA
John TUCHSCHERER, Neenah, WI
Joe ZOBRO, Hancock, MI

Grundig Satellit 400,
NRD 525, R1000, ICF 5900W
Drake SPR4, National NC183D
Allied SX 190
R70, Alpha Delta DX Sloper
DX 400
Phillips D2935, Sony AN-1 Ant.
DX 440
NRD 515+Datong FL3, HQ180DX
NRD 525
SPR4
R70, HQ-160, RF 2900
R71A + Trap dipole
R71A, 500' RW
R70, Sony 2010
R71A, Multiband AM Pickup
DX 302, Zenith Transoceanic

Kenwood R 5000
NRD 525, Sony 2010

Sony 2010
R5000, FRG7, ICF 7600D
DXpedition (?)

R71A

R5000
R71A
NRD 525, R71A
R2000, ATS 803, GE World Monitor
FRG 8800, DX440, AD-370 ant.
Kenwood R 2000, Sony 2010
DX 440 + 50' LW
R 390A, R71A

HQ 180, FRG-7
Drake R7 & R4C, R70
R71A + trap dipole, Sony 2010
Yaesu 7476X, ATS 803A
R390A, Magnavox D2999
R70, FRG 7700
Sony 2010

Great turnout again! You're definitely keeping me and the two log editors off the streets! Thanks for all of the kind words sent in with the loggings. Go direct to the editors if you miss the deadline, otherwise keep sending your loggings to me. There are some changes still being considered but not yet implemented.

See you all next month,

73, Kris

Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Maritowoc, WI 54220



Welcome to the February issue. How did you like the premiere issue for the new year? To eliminate further confusion, this column will feature loggings below 5900 kHz. More later if there's room . . .

- 1620 USA PIRATE, WJDI, 17/12, 0350-0405 w/rock mx, "This is R. St. WJDI w/equip. maint. tests" 2500 watts, ads, addr. as Box 142, Cottlekill NY 12419. SIO=454. (D'Angelo-PA)
0412-0430 really booming in, anncd "The pirate of New York State." (Alexander-PA)
- 1621.3 USA PIRATE, WKND, 17/12, 0534-0625* w/ID, tlk abt WJDI, not near as strong. Rock mx, Slanesville WV addr. Fair. (Alexander-PA)
- 2310 AUSTRALIA, VL8A, 17/12, 1135 w/rock mx, ancmts. Also hrd VL8T on 2325. (Karcheski-MA)
- 2325 AUSTRALIA, VL8T, 30/12, 1340 w/mx //2485, very poor. (Breedon-NE)
- 2340t CHINA, Fujian PBS, 9/12, 1240 w/EG lang lessons followed by CH. SIO=454. (Hardester-OKINAWA)
- 2390 MEXICO, R. Huayacocotla, 12/12, 0049-0111* w/tlk & mx bridges O103 ID, s/off anmmts, poss. anthem. (D'Angelo-PA) 17/12, 0106, "R. Huayacocotla, la voz de los campesinos." Shortly faded into the QRN. (Johnson-GA) 2/12, 2348 w/ballads. SIO=2-32 (Prodge-MI2) MI2 indicates when Harold was DXing at Island Lake, MI instead of Midland--sp.
- 2410 NEW GUINEA, R. Enga, 31/12, 1316. No ID but lcl nx w/ment sev. places in PNG, wx rpt. Poor-fair (Sams-KS)
- 2485 AUSTRALIA, VL8K, 30/12, 1340-1347 w/EG tlk //2325, poor. (Breedon-NE)
- 2541h DOMINICAN REPUBLIC, RTV Dominicana, 2/12, 0954-1012 w/rel, IDs, "El Mundo al Dia" nx. 2 x 1270 harmonic. Tnx Ken Zichi. (Moore-MI)
- 2800h USA, WGIL, Galesburg, IL w/great sig. 2 x 1400 harmonic. Called station to alert of problem. (Leary-IN)
- 2840h HONDURAS, R. Mundial, 21/12, 0150, ment. "Noticias Mundial" rapid tlk, mx 0153, ID. Tnx Moore tip. 2 x 1420 harmonic. (Johnson-GA)
- 3142.8 SUMATRA, RPKDT2 Belitung, 14/1, 1400-1456* w/poor sig. (Bryant-WA)
- 3220t NEW GUINEA, R. Morobe, 7/12, 1100 w/TC, vern tlk & mx. (Karcheski-MA)
- 3230 LIBERIA, ELWA, 2/12, 2250-2300* w/percussion mx, EG s/off anmmts, NA, poor. (Moore-MI)
- 3230.1 NEPAL, R. Nepal, every morning, also //5005 but 5005 only readable after RTM Sibu s/off at 1500. (Bryant-WA)
- 3255 INDIA, AIR Shillong, 16/1, 1530 w/EG nx, poor but // most Indian regionals. (Bryant-WA)
- 3255 LESOTHO, BBC Relay, 13/12, 0307-0320 in EG w/nx at good level but much QRN. (Tuchscherer-WI)
- 3275 VENEZUELA, R. Mara, 5/12, 0344-0425 w/vcls, 0400 ID, "Esta es R. Mara . . . Maracaibo." Nx & vcls. (D'Angelo-PA) 10/12, 0427-0447 w/dance mx, ID by M, much QRN. (Rydzewski-CA)
- *3277p KASHMIR, R. Kashmir, 31/12, 1318-1339 fade tentative. At first just a carrier on very good subcont. opening. Fade ups w/subcont. mx & anmmts by M, not Indonesian. All gone at 1339. Don't think this could've been Indonesia & haven't hrd them in at least a year. (Sams-KS) Hrd on good Indian mornings separable from Indonesia which is on 3276.8. Hrd abt 1530 w/subcont mx & Western oldies. (Bryant-WA)
- 3290 NAMIBIA, SWABC, 30/12, 0230-0305 w/mx like "Don't Worry, Be Happy" ID, fair. (MacHarg-IN) Nice to see the broadcasters taking part such as yourself & Brent Allred also from HCJB--sp.

- 3300 GUATEMALA, R. Cultural, 28/12, 0324 in EG w/Back to the Bible pgm, ID, addr. (Kohlbrener-PA)
- 3315.2 ECUADOR, R. Pastaza, 30/12, 2345 ID & Batman by Prince, anmmts to 2350 mx. (Johnson-GA)
- 3316 SIERRA LEONE, SLBC, 12/12, 2120-2140 in EG w/nx, cmtry, ID, fair. (Morby-NY)
- 3320 SOUTH AFRICA, SABC, 20/12, 0250-0330 in EG/AK w/nx, TP 0257, R. Suid Afrika ID, mx, poss. nx in AK. (Jordan-PA)
- 3335 BRAZIL, R. Alvorada, 1/12, 0025 w/string mx sounding abt 30 yrs old. ID & FC on half hour. Poss. ad string & mx. (Johnson-GA)
- 3355 INDIA, AIR Kurseong, 6/12, 1210-1240 w/string/percussion mx & M anncr, RTTY QRM. Also 3/1, 1143-1235 w/mx, 1230 TP & ID by W, EG nx. (Moore-MI)
- 3365 BRAZIL, R. Cultura da Araraquara, 5/1, 0020-0102 w/rustic guitar mx, ads, fair. (Moore-MI)
- 3366 GHANA, GBC-2, 10/12, 2226 in EG w/tlk abt real meaning of Christmas, particularly to Ghanaians. (Karcheski-MA)
- *3380 MALAWI, MBC, 5/12, 0259 choral anthem & anmmts in Chichewa chime & EG ID, tlk & drum mx 0311 (Johnson-GA)
- 3385 NEW BRITAIN, R. East New Britain, 6-8/1, 1138-1230 w/C&W mx, tlk in Pidgin by M, near armchair level. (Field-PA) 3/12, 1251 w/Gospel mx. SIO=232. (Frodge-MI2)
- 3394.8 SUMATRA, RRI Tanjungkarang, hrd in mid-January mornings 1500 UTC w/good modulation. (Bryant-WA)
- 3552 CLANDESTINE, R. Venceremos, 9/12, 0033-0050 w/pop mx, anmts, ID, Yellow Submarine mx bridge //6340.6, 6852.7. At 0055 hrd on 3552.1, 6345.6 & 6863. (Alexander-PA)
- 3915 SINGAPORE, BBC Relay, 7/12, 1545-1558 in EG w/letters pgm very good. (Cox-OR)
- 3955 ENGLAND, BBC, 11/12, 0310 under SSB & heavy QRM. (Terrence)
- 3965 FRANCE, RFI, 28/12, 0706 in FR //6175. 4 kW. (Sams-KS)
- 3985.9 IRIAN JAYA, RRI Manokwari, 7/1, 1329 w/drama pgm // Fak-Fak & others. Poor w/ham QRM. (Moore-MI)
- 3995.7 ASIATIC RSFSR, Khabarovsk, 10/12, 1520-1610 in RS w/tlks, folk mx, TP, bells, ID by W. (Schulze-FRG) Very good--sp.
- 3999 GREENLAND, Kalaallit Nunaata Radioa, 9/12, 0956 w/IS good to 1000 but tlk hrd to copy due to QRM. (Lackmann-VA) 13/12, 0955 IS under ham net, 1108-1132 pop mx, tlk. SIO=333 on USB. Even hams noted the strong sig. (Field-PA)
- 4000 CAMEROON, CRTV Bafoussam, 12/12, 2105-2115 in EG w/nx to 2115 & into FR, good. (Morby-NY)
- 4000.2 SULAWESI, RRI Kendari, 7/1, 1327 w/drama pgm //Fak-Fak & others, poor. (Moore-MI) Sulawesi is same as Celebes--sp. 29/12, 2350-0012 fade w/big band mx & Indo tlk. (Sams-KS)
- 4030t USSR, Bashkir R., 2/1, 1150 in RS? tlks. Severe polar flutter made reception difficult. (Peck-NY)
- 4453.2t CLANDESTINE, Vo National Salvation, 29/12, 2258+ Instl mx 2310 & tlk w/ment Kanguk (Korea). Unable to // (Johnson-GA)
- 4460 CHINA, CPBS-1, 29/12, 2250 poor sig but better on //4905. (Johnson-GA)
- 4472 BOLIVIA, R. Movima, 7/1, 1042-1047 w/tropical mx, very poor. (Moore-MI)
- 4485p USSR, Kamchatka R., 2/12, 1250 w/somber EZL mx, gone by 1258. SIO=2-32- (Frodge-MI2)
- 4607 IRIAN JAYA, RRI Serui, 7/1, 1205-1228 w/nx by M, RRI ID, Indo pops, later //Fak-Fak, fair. (Moore-MI)
- 4680 ECUADOR, R. Nac. Espejo, 6/12, 0015-0034 w/vcls, 0019 2 IDs ment. Quito, 0032 mx. SIO=252 but clear. (D'Angelo-PA)
- 4725 UNID, 19/12, 1226 w/2 rel songs & tlks in lang by M&W. Burma (Myanmar) unlikely to play When the Saints Go Marching In. (Field-MI)
- 4735 CHINA, Xinjiang PBS, 2/12, 2330 flute mx, anmmts, Mideast type mx //5800. (Johnson-GA)
- 4752.4 SULAWESI, RRI Ujung Pandang, 29/12, 0003-0018 fade w/nx to 0010, Indo island mx. First afternoon Indo opening I've had in 6 years. Also hrd 5257, 3960, 4002. (Sams-KS) Then maybe all your Indo DX will not be gone when you move-sp

- 4753 SULAWESI, RRI Ujung Pandang, 6/12, 1416-1440 w/Indo melodrama w/naive W & sinister M. (Cox-OR)
- 4766 CUBA, R. Moscow, 2/1, 0020-0030 fair. Drifted here from 4765. (MacHarg-IN) 2/1, 0500-0545 w/tlks in RS & 0600 ID. Polar flutter. (Taylor-PA) Since this is relayed via Cuba, maybe just some other flutter--sp.
- 4770 NIGERIA, R. Nigeria, Kaduna, 19/12, 2122 in EG w/tlk on Nigerian dev. Christmas goodwill. (Lackmann-VA)
- 4770t VIETNAM, Son La, 15/1 readable after Korea s/off 1409. Son La s/off 1412. (Bryant-VA)
- 4775p INDIA, AIR Gauhati, 6/12, 1150-1215* w/Indian mx, tlk by W in lang, fair. (Moore-MI)
- 4780t DJIBOUTI, RTVD 5/12, 0258 carrier, rel tlk in Somali. He would tlk & then ask "Why?" sev. times. Good mx but ute QRM. Afr/Arab influences met in mx abt halfway through. 0331 anmts & "Sowt Djibouti" Nx to 0340 & mx. This isn't a listed ID so am considering tent. (Johnson-GA) Sounds pretty sure to me. I hrd a "Radio Djibouti" ID 0333 on 26/11 which also isn't exactly as WRTM lists--sp. 5/12, 0314 in Somali w/tlks, pop & lcl mx. Tent. (Karcheski-MA)
- 4785 AZERBAIJAN, R. Baku, 2/1, 0320-0330 in lang w/calisthenics & piano, W ment Baku, fanfare. (Rugg-PQ) 18/12, 0324-0400 in RS w/exercise pgm, "Govorit Baku" ID 0330 w/tlks & lite mx, 6 TP 0400. ME mx 0428. (Alexander-PA) 2/1, 0430-0500 w/AR mx, YL anncr, TP, ID 0500, nx. (Taylor-PA)
- 4785 BRAZIL, R. Cadari, 7/1, 0033-0038 w/ballads, ID. (Moore-MI)
- 4789.9 IRIAN JAYA, RRI Fak-Fak, 7/1, 1238-1335 w/pops, SCI, nx, drama pgm, fair. (Moore-MI)
- 4790 PERU, R. Atlantida, 2/1, 0945 w/mx, poor sig. (MacHarg-IN)
- 4795 USSR, R. St. Peace & Progress, 25/12, 0038 w/"First Noel" ID, interview. (Field-MI) 11/12, 0045-0145 in RS w/FC, nx RM ID & IS, fair. (Jordan-PA)
- 4800 GUATEMALA, R. Buenas Nuevas, date? 0030-0034 w/rel tlks, poor. (MacHarg-IN) 3/1, 0200 w/rel, rustic mx, 0226 s/off anmts, instl, 0229* (Forth-IL) Hi Karl--sp. 7/12, 0220-0230* w/ID, played "Happy Birthday" on celeste(!) Christmas mx, tlk abt Guatemala & Venezuela. (Jordan-PA) 14/12, 1144-1203 w/rel tlk, simple mx, ID. Fair. (Bobb-MN) 7/1, 1249-1304 w/rel mx. (Barhydt-OR) Tnx for writing, Adrienne--sp.
- 4800 INDIA, AIR Hyderabad, 22 & 27/12, 1533-1555 EG nx on police corruption & sev. IDs, good. (Cox-OR)
- 4800t LESOTHO, R. Lesotho, 5/12, 0308 in Sesotho w/cmtry. (Karcheski-MA)
- 4804 KENYA, Vo Kenya, 30/12, 0300-0315 w/laughing song, jazz by Jack Teegarden, poor. (MacHarg-IN)
- 4805 BRAZIL, Rf. Amazonas, 29/12, 0942-1007 w/tlk, mx, rooster crows & ID. Fair. (Bobb-MN)
- 4810 SOUTH AFRICA, R. RSA, 15/12, *0255-0320 IS, AK tlk & lite mx, polkas, jazz, Spanish & C&W. (Alexander-PA) 5/12, 0258 IS, IDs, FC, nx, TC. (Karcheski-MA)
- 4820v HONDURAS, LV Evangelica, 15/12, 0105 w/SP Christmas jingle, ID 0108, rel, ads. (Terrence-NY) 10/1, 0257-0306 w/rel tlk & nx, poor. (Barhydt-OR) 9/12, 2333-2348 w/mx & tlk & ID. (Bobb-MN)
- 4824.5 PERU, LV de la Selva, 31/12, 0016-0025 w/ID, tlks, weak. (Schulze-FRG)
- 4830 VENEZUELA, R. Tachira, 15/12, 0958-1010 w/NA, state anthem, ID, tlk & mx. (Bobb-MN) 10/1, 0959-1028 w/tlk, mx, sev. ads for something called La Yuca. (Barhydt-OR) 23/12, 1120-1130 w/accordion mx, ads. (Zobro-MI) 30/12, 2245 w/mx, ads, Feliz Navidad, fair. (MacHarg-IN)
- 4832 COSTA RICA, R. Reloj reactivated, 21/12, 0205 //6006 w/ID & tlk. (Johnson-GA) 0410 on 1/1 w/nx (Moore-MI) 22/12, 0415 w/vcls, 0426 ID & nx, TC, 0435 nx. (D'Angelo-PA) 5/1, 0519-0544 w/mx, nx ID 0536, fair. (Barhydt-OR) 7/1, 0558 w/lively mx. (Newcomer-PA) 29/12, 0632 (Rydzewski-CA) 2/1, 1000, good. (MacHarg-IN)

- 4835 MALI, RTV Malienne, 8/12, 0629 in vern w/vcls & tlks. Tentative. (Karcheski-MA) 25/12, 2228 in FR w/tlk, ID, lcl mx, exc sig, right on 27-day cycle. (Klinck-NY)
- 4840 MANCHURIA, Heilongjiang PBS, 8/1, 1255 fair w/CH vcls, TP 1300, ID, finally ID'd. HIC 203. (Rigas-IL) Congrats!--sp
- 4840 VENEZUELA, R. Valera, 16/12, 0855-0915 w/SP tlk, IDs, mx poor-fair. (Bobb-MN)
- 4845 GUATEMALA, R. K'ekchi, 19/12, 0057-0210 w/lcl mx, full ID tlk in dialect. (Jordan-PA) 9/12, 0133-0202 in SP w/tlk & mx, ID, fair. (Bobb-MN)
- 4845 MAURITANIA, ORTM, 9/12, 2259 w/FR annmts, ID, into AR 2300. (Klinck-NY) Nice one. They were always hard to ID here--sp.
- 4850 CAMEROON, CRTV Yaounde, 19/12, 2108-2143 in EG/FR w/EG nx, 2115 FR cmtry, poor. (Rosinsky-WI) Hi neighbor. 10/12, 2120 vcls, dead air to 2130 EG pop mx, hilife. (Frodge-MI1) MI1 means Harold hrd at Midland--sp. 18/12, 2208-2233 in FR very good w/nx (Tuchscherer-WI) 10/12, 2252 in FR w/tlks & lcl mx, ID 2300. (Klinck-NY)
- 4850p INDIA, AIR Kohima, 6/12, 1202-1237 w/YL annrc, string/percussion mx, sitar 1229, poss. nx (Moore-MI)
- 4860 INDIA, AIR Delhi, 10/12, *0028-0040* w/IS, tlk but very weak. (Alexander-PA) 31/12, 1327 in EG w/train sked revisions, mx, poor. (Breedon-NE) 5/12, 0029 IS, tlk, EG ID, nx to 0040 & just open carrier. Tnx Valko tip. (Johnson)
- 4865 COLOMBIA, LV del Cinaruco, 5/12, 0238-0244 w/mx, sports, fair. (Purdue-MN) 9/12, 0439 w/call-in pgm //5075 Caracol. SIO=222+ (Frodge-MI1) 10/12, 0650 w/tlk & mx, ment. Caracol SIO=444. (Carson-OK) 23/12, 1028-1115 w/ads, guitar mx, "Feliz Navidad" song, TC. SIO=454. (Zobro-MI)
- 4870 BENIN, CRTB, 1/12, 2152 in FR w/hilife mx, ID, drums, cmtry SIO=3-43 (Frodge-MI2) 10/12, 2215 in FR w/radio play abt a village (Karcheski-MA) 29/12, 2221 in FR w/tlk & Afr. mx, fair sig. (Durant-NY) 9/12, 2254 w/tlk in FR (Klinck-NY)
- 4871 IRIAN JAYA, RRI Wamena, 7/1, 1322 w/Indo pops, not // other stations, fair. (Moore-MI)
- 4875 CHINA, Vo Jinling, 12-13/12, 1151 w/tlk by W, clx violin, TP 1200, ID in CH, weak w/mod QRM. (Terrence-NY) 14/12, 1155 w/CH tlk & mx (Klinck-NY)
- 4880 BANGLADESH, R. Bangladesh, 8/12, 0058-0110 w/lcl mx, TP, ID, nx. (Schulze-FRG)
- 4880 SOUTH AFRICA, R. RSA, 15/12, 0300-0330 w/T40 hits, wx rpt, good sig. (Terrence-NY) 31/12, 2215 in EG (Radio 5) w/pop mx, annmts. (Klinck-NY)
- 4881.7 PERU, R. Nuevo Mundo, 31/12, 0845-0915 w/ballads, lcl mx, annmts, ID, poor w/QRM from Brazil 4885. (Alexander-PA)
- 4885 BRAZIL, R. Clube do Para, 0916 w/rel //4955, 4915. 0920 back to lcl pgm w/ID, trop. mx. (Moore-MI)
- 4889y ECUADOR, R. Centinela del Sur, 29/12, 0130-0200* w/tlk abt Nic., instls, ID at s/off. (Jordan-PA)
- 4890p PAPUA TERR, NBC Port Moresby, 2/12, 1240 in EG w/rock mx (Frodge-MI2) First log I've seen in awhile--sp.
- 4895 COLOMBIA, LV del Rio Arauca, 2/12, 1046 w/long tlk over SP rap song to 1050 promos. (Frodge-MI2)
- 4895 USSR, RM North Amer Bx, 30/12, 0150 weak w/RS mx, ID. (Rigas-IL)
- 4900 GUINEA, Rdf. Nat, 9/12, 2210 in FR w/tlk & lcl mx, ID. (Klinck-NY) 5/12, 2345 w/mx bridge, ID & nx, same bridge after nx, more mx to 2358 anthem. (Johnson-GA)
- 4901.9 SRI LANKA, SLBC, 8/12, 0112-0130 in Sinhala w/ID by W, lcl mx, TP. (Schulze-FRG)
- 4904.5 CHAD, RN Tchadienne, 15/12, 0430 in FR readable nightly, often exc. My "beacon" to west/central Africa. (Klinck-NY) 1/12, 2105 w/nx, thumb harp between items. (Frodge-MI2) 1/1, 2115-2200* w/hilife mx, nx, s/off w/NA. SIO=454. (Taylor-PA)
- 4905 BRAZIL, R. Anhanguera, 29/12, 2329-2406 w/vcls, cmts between songs, some IDs. (Rugg-PQ)

- 4910 HONDURAS, LV de la Mosquitia, 7/12, 0230-0255 in Miskito, instls, ID, rel pgm in EG, vcls in Miskito. (Jordan-PA)
- 4915 COLOMBIA, Armonias del Caqueta, 7/12, 1028-1054 w/vcl mix, instls, TCs, some ads, IDs. (D'Angelo-PA) 7/12, 1052-1104 w/mx, tlks, ID. (Bobb-MN)
- 4915 GHANA, GBC-1, 17/12, 0558 in EG w/Christmas mx, nx 0600, drum IS, ID, poor. (Hydzewski-CA) 31/12, 2200 w/EG ID & into vern. (Klinck-NY) 8/12, 2225-2306* in EG/Hausa w/tlk, mx, Qur'an, IDs, hymn, fair. (Bobb-MN) 12/12, 2240-2250 in EG w/ID & nx, good. (Morby-NY)
- 4920 ECUADOR, R. Quito, 3/1, 0250-0259 w/instls, ads, ID & "El Informador" nx pgm (Rugg-PQ) 5/12, 0254 w/mx, IDs, ads, vcls, fair. (Purdue-MN) 16/12, 0328-0501* w/ads, jingles, IDs, tlk, HC mx, s/off w/o NA (Alexander-PA) 27/12, 0448 w/sev. IDs, "La Voz de la Capital" & "R. Quito" (Cox-OR)
- 4920 INDIA, AIR Madras, 23/12, 1600-1620 in EG w/tlk abt gov. services, ID 1602, Indian mx, fair. (Cox-OR)
- 4925 BRAZIL, Rdf. Taubate, 2/12, 2254-2307 w/EG pops, ID 2300, soft instls, poor. (Moore-MI) 10/12, 2325 mellow tunes, ID 2330 (Johnson-GA)
- 4927 INDONESIA, 29/12, 2310-2320 fade w/poor sig, definite IN tlk & gamelan mx but no ID. (Sams-KS)
- 4930 HAITI, 4VEH, 14/12, 1129-1144 w/ID & tlk, fair. (Bobb-MN)
- 4930 USSR, Mayak service, 31/12, 0159 in RS weak w/IS, TP & nx. (Rigas-IL)
- 4934 KENYA, VO Kenya, 9/12, 2104-2110* w/rel tlk, mx bridge, ID, TC, choral vcls, SIO-353. (D'Angelo-PA)
- 4935 PERU, R. Tropical, 10/1, 1033 w/tlk & march mx in background. (Barhydt-OR) 29/12, 1055-1110 w/tlk, whistles, ID, poor. (Bobb-MN)
- 4945.3 COLOMBIA, Caracol, 11/12, 0225 //5075 w/ads, ID, weak. 5075 cleaner audio. (Terrence-NY)
- 4955 BRAZIL, R. Marajoara, 13/12, 0906-0926 w/tlk & some mx, ID, fair. (Bobb-MN)
- 4964.5 HONDURAS, R. Landia, 9/12, 0430 mx w/ID between songs, 0445 s/off anmtns, ID, 0455* Tnx Krueger tip. (Johnson-GA) 8/12, 1155-1207 w/ranchera mx, IDs, ads for Supermercado Copaneco where I shopped when I lived there. Also ad for eye doctor. Reactivated & fun to hear (Moore-MI) Heatl-sp 8/12, 2350 w/rel pgm, ID 0002 (Field-MI)
- *4970 SABAH, RTM Kota Kinabalu, 4/1, 1230 fair w/nx (Rigas-IL)
- 4975 CHINA, Fujian PBS, 7/12, 2140-2155 in CH w/ID, mx, oldies, ID w/mx in back. (Schulze-FRG)
- 4975 COLOMBIA, Ondas del Ortegua, 2/1, 1015-1030 w/mx, anmtns, ads, "Musica para Campesinos" (MacHarg-IN)
- 4976 UGANDA, R. Uganda, 5/12, 0403 EG nx by M, fading fast, full ID before tune out. (Johnson-GA)
- 4980 VENEZUELA, Ecos del Torbes, 9/1, 0150 w/nx, mx. (Eaton) 11/12, 0245 w/rapid tlk, chimes between poss. ads. Ment. San Cristobal too, good. (Terrence-NY)
- 4985 BRAZIL, R. Brasil Central, 13/1, 0412 w/mx, ID, poor. (Barhydt-OR)
- 4990 INDIA, AIR Madras, 8-9/12, *2358-0010 w/IS, Tamil s/on anmtns, subcont mx, very weak. (Alexander-PA)
- 5004 ASIATIC RSFSR, RID Irkutsk, 4/1, 1255 w/TPs, some splash from WWV/WWVH (Rigas-IL)
- 5004 RIO MUNI, RN, 2/12, 2125 in SP w/cmtry & ment. Bata 2130, SIO-222. (Frodge-MI2) 9/12, etc. 2142-2203* w/Afr. mx & SP songs & clear Bata ID. (Tuchscherer-WI)
- 5005 UNID, 28/12, 1519 sounded like combo of Latin/Hindi mx w/ poss. ads? (Cox-OR) Could it be Malaysia?--sp.
- 5010p CHINA, Guangxi PBS, 1/12, 2220 w/vcls & instls in CH. SIO-3-33- (Frodge-MI2)
- 5011.5 ECUADOR, Esc. Radiofonicas Pop, 22/12, 0140 w/wild mx, ID 0200. (Johnson-GA) 1/1, 0812-0835 w/mx, IDs 0818, 0830 trad. HC mx, good. (Alexander-PA) HC means Ecuadorian--sp 22/12, 1010 w/tlk in pres. Quechua, flutes, ID (Jordan-PA)

- 5015p TURKMEN SSR, Ashkhabad, 10/12, 0000-0028 weak u/German numbers station, Kremlin chimes, anthem, lite mx (Alexander)
- 5018.2y BRAZIL, R. Brasil Tropical, 10/12, 0750-0900 w/pops, IDs, ads, jingles, slightly off freq & drifting. (Alexander-PA)
- 5020p CHINA, Jiangxi PBS, 1/12, 2223 w/tlk between M&W. SIO=232+ (Frodge-MI2)
- 5020 NIGER, La Voix du Sahel, 13/12, *0530-0606 in FR w/NA, ID, Qur'an, 4 pips 0600, nx (Kohlbrenner-PA) 8/12, 0637 w/vern tlk. Tentative. (Karcheski-MA) 9/12, 2250 w/FR tlk & lcl mx, ID 2300. (Klinck-NY)
- 5020 SOLOMON ISLANDS, SIBC, 31/12, countdown for new year before 1300, live bx, ID 1329. (Field-MI)
- *5023.1 BIHUTAN, BBS tent, 29/12, 1228 in lang w/Indian type mx, 1258 fade. (Field-MI) 30/12, 1320-1350 fade w/word for word copy but no ID! Hrd on DXped. with customized antenna just for this. Some exotic mx. This & Tonga driving me crazy! (Sams-KS) 16/1, best audio 1410-1452 w/tlk & mx bridges, poss. nx 1415 in EG by W. 1430 poss BBS ID. (Bryant-WA)
- 5026 UGANDA, R. Uganda, 21/12, 2051 in lang w/hilife, tlk at low audio lvl, 2101 anthem. (Lackmann-VA)
- 5030 ECUADOR, R. Catolica Nac, 8/12, 1020-1035 in SP/Quechua, IDs, NA, prayer, tlk & mx. (Bobbs-MN)
- 5040 ECUADOR, LV del Upano, 8/12, 0045 w/lively tlk & folk mx, IDs, ad strings. (Jordan-PA)
- 5044.6 IRIAN JAYA, RRI Jayapura, mid December mornings, 1600-1720 w/big sig playing album sides, no tlk till 1658 lcl ID, SCI, Jakarta nx relay. Is their Midnight to Dawn pgm w/lagu pops & US golden oldies (Bryant-WA)
- 5045 COSTA RICA, R. Impacto, 1/1, 0445-0525 w/continuous vcls, IDs 0445, 0516. (Rugg-PQ) 13/1, 0613-0634* w/nx to s/off, good. (Barhydt-OR)
- 5046.5 TOGO, Lome, 25/12, 0605-0618 in FR w/Christmas mx, reading, WAT mx, fair. (Rydzewski-CA)
- 5050 ECUADOR, R. Jesus del Gran Poder, 23/12, 1030-1052 w/tlk abt Jesus, beautiful hymn, rosary. (Zobro-MI)
- 5055 COSTA RICA, Faro del Caribe, 2/1, 1030 w/rel mx, good. (MacHarg-IN)
- 5055 FRENCH GUIANA, RFO Cayenne, 20/12, 0650 w/FR nx (Cox-OR)
- 5055 SWAZILAND, TWR, 6/1, 0330-0400 in EG w/tlk abt family & society. SIO=342. (Taylor-PA)
- 5055.4 IRIAN JAYA, RRI Nabire, 7/1, 1255-1335 w/pop mx, 1302 // Fak-Fak nx, into drama. (Moore-MI)
- 5075 CHINA, CPBS, 1/12, 2226 not //5010, 5020, 5090. CH tlk & 2230 EG/CH tlk abt US newspapers & sces. (Frodge-MI2)
- 5090 CHINA, CPBS, 1/12, 2228 w/YL vcls, anmt & off. (Frodge-MI2)
- 5290t ASIATIC RSFSR, Krasnoyarsk, 20/12, 0216 instls, clx, All-Union IS not hrd 0230, maybe lcl pgm? Their sunrise time but fading badly. (Johnson-GA)
- 5560t CLANDESTINE, R. Miscut, 31/12, 2310 pol. tlk & marimba interludes, 2318 "anthem" & s/off but no ID. Tnx Crawford tip. (Johnson-GA)
- 5800 CHINA, Xinjiang PBS, 29/12, 1120-1202 w/tlks to 1130 ID, lcl mx w/TPs //4735. SIO=2+52+ (D'Angelo-PA)
- 5900 ISRAEL, Home Sce Pgm D, 17/12, 1745-1805 in AR w/mx, ID 1800, tlk & more mx. (Dillon-GREECE)

As space permits, we will feature some short articles geared toward educating the DXer as well as entertaining. Please keep loggings as recent as the current or previous month but not older. The support has been great for this column. Thanks! A special thanks to those who contributed directly & may not appear on the contributors' page like: Adrienne Barhydt, John Leary, John Bryant (who phoned in his loggings!) Bob Rydzewski & Donna Robinson, who also phoned in a log I almost missed - 4990 AIR Madras, India on 14/1, 0002 w/nx by W but too weak to ID. (Robinson-IL) Tnx for the tip on that one, Donna. It is them--hrd them strong on 19/1--sp. Good DXing to everyone. CUN30.

International Band Loggings

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



- 5910 BELGIUM BRT in EG 2210, DX pgm w/tips, taped ID's, //9925 (Prath FL 12/30)
5945 USSR R. Tashkent in EG *1330-1400*, nx, cmntry, feature, ID (Rosinsky CA 1/3)
5955 COLOMBIA LV Centauros in SP 0940, ID's, tlk, mx, f, abrupt off (Bobb MN 12/27)
59554 GUATEMALA R. Cultural in SP 0955, lite SP mx, ID, annmnts (Alexander PA 1/1)
5975 COLOMBIA R. Macarena in SP 1030, ID, LA mx, tlk, f (Bobb MN 12/15)
5999nf? NICARAGUA LV de Nicaragua in SP 0645-0835, ID's, chimes, mx (Alexander PA 12/30)
6000 BRAZIL R. Guaiba in PT 2320, M talking very fast, ID (Schulze FRG 12/8)
6005 YUGOSLAVIA RY in EG 0130-0145*, tlks re ethnic unrest & vacation spots in Yugo, ID's in EG & lang, mx "Teddy Bears Picnic" (Jordan PA 12/28, Carson OK 12/30)
6020 AUSTRALIA RA in EG 1130, pgm on shrinking rain forests (Hardester OKINAWA 12/10)
6025 DOMINICAN REPUBLIC R. Amanecer in SP 0405*, s/off SP/EG (Tuchschere W 12/17)
6030 BRAZIL R. Globo in PT 0900, annmnts, ads, jingles, ID's, mx (Alexander PA 12/31)
In PT 0015, sports tlk, cmntry on Panama situation, ID (Cox OR 12/26)
6040 BRAZIL R. Club Paranaense in PT 0029, rock mx, ID, f (Cox OR 12/26)
6040 ANTIGUA Deut. Welle relay in EG 0057, IS, site ID, nx (Karcheski MA 12/5)
6055 JAPAN R. Tanpa Tokyo in JP 1415, M & W in tlk format, f-g (Cox OR 12/5)
6060 ARGENTINA R. Nacional in SP 0617, tangos, TC, ID, g (Rydzewski CA 12/17) in SP 0850, LA mx, tlk, frequent ID's (Bobb MN 12/6, Klinck NY 12/22)
6070 CANADA CFRX Toronto in EG 1120, tlks, wx, nx, ads, mx, ID's for Med. Wave CFRB, (Karcheski MA 12/7) in EG 0800, nx re US invasion of Panama, sports (Carson OK)
6085 WEST GERMANY Bayerischer Rundfunk in GM 0205, nx, pop mx (Rosinsky CA 1/3)
6090 BRAZIL R. Bandeirantes in PT 0035, listener call-ins, g (Cox OR 12/26)
6095 CHINA Nanchang in CH 1120, CH mx, ID 1130, tlks, //11000, 15880 (Prath FL 12/23)
6100 USSR R. Vilnius in Lith 2150, classical mx, guitar IS, ID, p (Rigas IL 12/16)
6105 MEXICO R. Yucatan Merida in SP 0100, ID, annmnts, ads, songs (Johnson GA 12/18)
6110 MALTA R. Mediterranean in EG 2300, addr, ID, nx, mx, f (Lackmann VA 12/22)
6110 ASCENSION IS. BBC relay in SP 0146, "Pop Britannica", g (Carson OK 12/31)
6114v COLOMBIA LV del Llano in SP 0815, LA mx, DJ, ID's, TC's (Alexander PA 12/18)
6115 MEXICO R. Universidad de Sonora in SP *1303, ID, pop MX class & pop mx (Cox OR) In SP w/long NA & s/on annmnts, sked, ranchoero mx, f (Moore MI 12/18)
6121 ALBANIA R. Tirana in EG 2350-2357*, dedicated mx, ID, exc (Morby NY 1/1)
6127 INDONESIA RRI Nabire in IN 1350, group vocals & drums, ID, local nx?, distorted signal (Sams KS 12/28) ED: Nice DX'ing! PWBR lists power at only 800 watts.
6135 SWITZERLAND Red Cross BS in EG 0323, tlk re war casualties, ID, g (Rydzewski CA)
6145 WEST GERMANY Deut. Welle in EG 0100, nx, features, fqys (Durant NY, Carson OK)
6150 JAPAN R. Canada relay in CH 1528*, addr. in EG at s/off, exc (Treibel WA 1/17)
6155 ROMANIA R. Bucharest in EG 0045, various demands read out, into FR 0051, SP 0103 return to EG 0105, refs to Counsel of the Front of Nat. Salvation (Johnson GA)
6160 CANADA CKZN Newfoundland in EG 0232, symphony, tlks (Karcheski MA 12/7) in EG 2008, mx, mentioned Atlantic phone-in contest until Feb, nx (Rosinsky WI 12/11)
6175 CANADA BBC relay in EG 0403, nx on Romanian situation, g (Carson OK 12/23)
6185 MEXICO R. Educacion in SP 1026, pop & LA mx, ID's (Kohlbrener PA 12/10) in SP 1220, SP songs w/guitar accompaniment, ID 1230, f (Bobb MN 12/16)
6190 SWITZERLAND SRI in EG 2251, "Dateline", into Swiss mx, g (Carson OK 12/26)
6190 VATICAN STATE VR in EG 2110*, mx, Asian rpt, ID, g (Rosinsky WI 12/21)
6205 ITALY Euro Christian R in lang? 0746, Xmas mx, ID in EG 0806 (Moore/Valko 12/24) ED: Could this be a move from 7360 listed in 1990 PWBR? Only 800 watts!
6281nf PERU R. Huancabamba in SP 0013, TC, ID 0019, refs to Huan. (Johnson GA 12/31)
6300 TAIWAN WYFR Fam. Radio relay in CH/EG 2235, Xmas mx, weak sig (Field MI 12/24)
6549 LEBANON V. of Lebanon in AR 0114, ME mx, chimes, ads, TC, nx, ID (Johnson GA) In AR 2200, e2l mx, nx, AR mx (Taylor PA 1/5, Karcheski MA 12/10)
6815 PERU R. Universo in SP 0020, local mx w/flutes, tlk, ID (Johnson GA) 400 watts!
6900 TURKEY Turkish State Meteorological Service in TK 0512, TK mx, annmnts (Sams KS 12/28, Kohlbrener PA 12/24, Karcheski MA 12/10)
7125 CHINA R. France Int relay in EG 1410, end of nx, FR press review (Park HI 1/7)
7135 GABON R. France Int relay in EG 0339, "Spotlight on Africa", nx (Price VA 12/2)
7145 SPAIN R. Free Europe in RS 0228, rpt, mx bridge, feature, f (Price VA 12/13)
7145 ALGERIA RIV Algerienne in AR 2226, AR mx, annmnts, FR ID (Klinck NY 12/31)

- 7170 UNITED KINGDOM VOA relay in EG 0515, "Saturday Morning", ID (Dillon GRECE 12/9)
- 7170 NEW CALEDONIA RFO Noumea in FR 0800-0935, tlks, mx (Karcheski MA, Lackmann VA)
- 7189 EQUATORIAL GUINEA R. Africa in EG 2100, "Voice of Power", g (Morby NY 12/13)
- 7205 ALBANIA R. Tirana in EG 0634, nx re US nuclear tests in Nevada (Carson OK 12/10)
- 7260 EAST GERMANY R Berlin Int. in EG 1825, nx, political cmntry (Dillon GRECE 12/8)
- 7270 POLAND R. Polonia in EG 2330, nx, "Focus" pgm, cmntry (Durant NY 11/30)
- 7285 POLAND R. Polonia in PL *2305, IS, nx, Gen. Service pgm (Prath FL 12/30)
- 7295 EAST GERMANY R Berlin Int. in FR 2245, IS, s/on w/ID, nx (Prath FL 12/23)
- 7370nf TURKEY Turkiye Polis Radyosu in TK *0455, string-type IS, NA, tlk, mx, ex 6340, Note: Previously rptd by SWL Digest on 7380 & 7362v - must be roaming around.
- 7400nf USSR R. Minsk in Byelorussian *2329-2359*, IS, ID "govorit Radiostantsiya Byelorussia Minsk", nx, vocals, interview (D'Angelo PA 12/31, Johnson GA 12/30)
- 7405nf CHINA R. Beijing in EG 1428, W w/CH recipe, exc (Treibel WA 1/6)
- 7405 ALASKA KNLS in RS 0637, poetry, mx, ID, ute QRM but g (Rydzewski CA 12/17)
- 7412 INDIA AIR Delhi in EG 1730, freqs, ID, nx (Park HI 12/23) in EG 2200-2229* w/ID, cmntry, IN instrumentals (Field MI 12/9, Karcheski MA 12/12, D'Angelo PA 12/23)
- 7430 GREECE V of Greece in AL *2000, IS, NA, freqs, sked, nx (Karcheski MA 12/1) in EG 0130, nx pgm (Carson OK 12/18) in EG 0340, nx, xmsn to NAM (Durant NY 11/30)
- 7435v VIETNAM V of Vietnam in EG 1120, tlk on Viet tourism, mx (Karcheski MA 12/4)
- 7445 TAIWAN V of Asia in EG 1132, mailbag, requests, ID's, lang lesson (D'Angelo PA)
- 7475 TUNISIA RTV Tunisienne in AR 2245, tlks, mx (Klinck NY 12/31)
- 7550 SOUTH KOREA R. Korea in FR *2130, ID, freqs, NA?, nx (Karcheski MA 12/18)
- 8000 JAPAN JYJ Time Station 1108-1202, time, clicks, pips, beeps, ID (Taylor PA 1/4)
- 9395 GREECE VOJ in EG 2330, GK mx, ID, nx, New Year's messages (Lackmann VA 1/1)
- 9485 MONACO TWR Monte Carlo in EG 0736, IS, ID, freqs, "Arise" (Karcheski MA 12/15)
- 9495 PHILIPPINES FBEC in SE Asian lang 2259, ID in EG, IS, freqs (Lackmann VA 12/21)
- 9500nf CHINA(D) R. Beijing in IT 1856, ending xmsn in IT, ID's, f (Treibel WA 1/13)
- 9510 ROMANIA R. Bucharest in EG *0200, mx, tlks re new, free Romania (Prath FL 1/1)
- 9515 BRAZIL R. Novas de Paz in PT 0012, Brazilian mx, nx, ID, p (Rydzewski CA 1/2)
- 9520nf BULGARIA R. Sofia in SP 0559, into TK 0600, organola IS (Treibel WA 12/22)
- 9540 CZECHOSLOVAKIA R. Prague in EG 0100, nx, tape of Romanian riots (Price VA 12/23)
- 9560 SWITZERLAND SRI in EG 0841, cmntry re various topics (Newcomer PA 1/3)
- 9580 GABON Africa #1 in FR 2107, nx, skeds, "Musique Especial" (Frodge MI 12/3)
- 9605 VATICAN STATE VR in EG 0049, IS, Pope's address (Purdue MN, Rydzewski CA 1/2)
- 9605 CZECHOSLOVAKIA R. Prague in EG 1740, nx, political cmntry (Dillon GRECE 12/8)
- 9655nf CHINA R. Beijing in CH *1158, IS, ID, nx?, very weak signal (Schulze FRG 12/3)
- 9665 NO. KOREA KCBS Pyongyang in KR 0825, no ID, //11679 (Sams KS 12/28)
- 9665 CHINA R. Beijing in EG *0000, IS, ID, nx, sports (Karcheski MA) in EG 1100, nx (Newcomer PA) in EG 1211, business nx, press rpts (Frodge MI)
- 9670nf NO. MARIANAS KHBI Saipan in bilingual pgm 1500, ID, mx (Field MI 1/2)
- 9680 USA VOFC Taiwan via WYFR in EG 0308, nx, mx, economic rpt (Levison PA 12/21)
- 9705 SAUDI ARABIA R. Riyadh in EG 2004, piano mx, ID, drama, nx (Zobro MI 12/13)
- 9720 SAUDI ARABIA R. Riyadh in EG 2041-2100*, nx, wx, cmntry, ID (Rosinsky CA 12/14)
- 9720 SRI LANKA SLBC in EG 1240, medley, ID, New Year's wishes, relig pgm (Zobro MI) in EG 1229 w/drums IS, pips, ID, nx (Lackmann VA 12/13)
- 9730 EAST GERMANY R. Berlin in EG 0350, political cmntry (Purdue MN 12/16) in EG 2234, DX pgm, ID 2238, IS repeated 5 times (Streitmatter IN 12/18)
- 9740 SINGAPORE BBC Relay in EG 1241, BBOWS, mx, ID, sports (Karcheski MA 12/12)
- 9743nf INDONESIA RRI Sorong in IN 0753*, s/off annct, ID, "Love Ambon" (Sams KS 12/28)
- 9750 SOUTH KOREA RK in EG 1426, bamboo & its tradition, sked changes (Carson OK 1/6)
- 9760 CANADA RCI in EG/FR 0619, nx, stocks rpt, sports, FR nx (Carson OK 12/15)
- 9800 FRANCE RPT Paris in EG 0315, world nx (Eaton NC 12/21)
- 9800 PHILIPPINES FBEC in EG 0955, "Why we celebrate Xmas" (Hardester OKINAWA 12/17)
- 9860nf ITALY Italian Radio Relay Service in EG 0825, Xmas pgm, req letters, into UN Radio relay 0830, f (Moore/Valko 12/24) ED: See p.96 WRTH 1989.
- 9875 AUSTRIA RAI in EG 0147, cmntry re opening of Czech border (Carson OK 12/31)
- 9910 INDIA AIR in EG 0035, feature on Indian bouqtiques, IS, p (Rydzewski CA 12/18)
- 11570 PAKISTAN RP in lang? 1702, W in EG 1712 then back to lang (Tuchscherer WI 12/15)
- 11585 ISRAEL Kol Israel in SP 1735, nx, ID's (Tuchscherer WI 12/28)
- 11620 INDIA AIR in EG 2212, feature on World Bank aid to India, ID (Rydzewski CA)
- 11664v EGYPT R. Cairo in AR 2055, ME songs, nx by M&W at 2200 (Tuchscherer WI 12/16)
- 11685 CZECHOSLOVAKIA R. Prague in EG 1735, rpts on violence in Romania (Dillon GRECE)
- 11695 BELGIUM BRT in EG 0807, "Radio World", DX nx, pop mx (Park HI 12/11)
- 11705 SWEDEN RS in EG 0230-0240, "New Years" show, special pgm on Nobel Prize Winners, cmntry (Carson OK 1/1, Durant NY 12/11, Eaton NC 12/28)
- 11715 VATICAN STATE VR in FN 1913, IS, harmonica mx, ID, tlks, //9755 (Park HI 12/10)

- 11720 BULGARIA R. Sofia in EG 0729, cmntry on Romanian problem (Carson OK 12/20)
- 11735nf? JAPAN R. France relay in FR 1146, feature on pianist de la Croix (Park HI 12/23)
- 11740 VATICAN STATE VR in EG 0730, M&W giving alternate nx items (Zobro MI 12/16)
- 11740nf? IRAQ(t)Q R. Baghdad in Azeri 0545-0555*, M w/recitations, lively ME choral mx, s/off annmnts & tent. ID, xmtr site listed as Salah el Deen (Jordan PA 12/30)
- 11760nf? INDIA AIR in EG 1424, press review, ID, some film Hindi mx, f (Park HI 12/14)
- 11765nf? IRAQ R. Baghdad in AR 1757*, ME mx, freqs, ID's (Tuchscherer WI, Rydzewski CA)
- 11780 AUSTRIA RAI in EG 1450, "PO Box 700" hosted by David Ward, f (Park HI 12/11)
- 11785 USSR R. Tashkent in EG 1218, local nx, cmntry (Klinck NY 12/15)
- 11790nf? DENMARK RD in DN 0006, M&W w/presumed nx, EG ID 0015 (Tuchscherer WI 12/18)
- 11805 SOUTH AFRICA RSA in Chichewa? 1556, IS, fanfare, 6 pips, ID, nx? (Park HI 1/5)
- 11820nf? CUBA RHC Havana in EG 0330, "Cultural Showcase" (Durant NY) in EG 0000, nx on US Invasion of Panama (Price VA) in EG 0045, "DX'ers Unlimited" (Dierson PA)
- 11833v BRAZIL R. Anhanguera in PT 0130, Brazilian songs, ID to 0301* (Behr ONT 1/5)
- 11835 URUGUAY R El Espectador in SP 0100, nx, ads, pop mx, ID 0200* (Behr ONT 12/28)
- 11840 PORTUGAL RP in EG 0250, Yuletide Log & PT mx, other xmas traditions (Carson OK)
- 11845 NORWAY RNI in NO *0500, IS, ID's in EG/NO, nx, mx, interviews (Jordan PA 12/30)
- 11850 PHILIPPINES FEBC in EG 1303, "Kids Talk Corner", weak sig (Durant NY 12/9)
- 11850 NORWAY RNI in NO/EG 2309, "Listener's Choice" spec Xmas pgm (Carson OK 12/25)
- 11860 INDIA AIR in EG 2045*, Indian Disco! mx, pgm preview, p (Park HI 12/21)
- 11865 SEYCHELLES FEBA in EG 1524, "Back to the Bible", ID, nx (Park 12/19, Tuchscherer WI 12/19) in lang 1310, typical S.Asian mx, ID, sermon? (Lackmann VA 12/21)
- 11870 JAPAN RJ in EG 0530, discussion re earthquakes, "Asian Crosswords" (Carson OK)
- 11905 BRAZIL R. Universo in PT 2330, relig pgm, QRM from Rome (Behr ONT 12/20)
ED: Behr reports that Dec. listing of Thailand in Dec LRD was erroneous.
- 11910 SWAZILAND TWR in Somali? *0334-0352*, IS, ID 0337, tlk, relig mx (Alexander PA)
- 11910 GUAM KTWB Trans World R. in EG 1616, mx variety, ID 1632 (Tuchscherer WI 12/15)
- 11930nf? AUSTRALIA RA in EG 1405, IS, new freq in use from 0800-1900 (Park HI 1/6)
- 11930 NETHERLANDS ANTILLES RN relay in EG 0410, "Character Spotlight"(Carson OK 12/10)
- 11938 CAMBODIA VOC in EG 0006, nx, mentions of Phnom Pehn, vp (Kohlbrenner PA 1/2)
- 11940 ROMANIA R. Bucharest in EG 0405, cmntry on Romanian revolution (Carson OK 1/1)
- 11940 UNITED ARAB EMIRATES R. Dubai in EG 0354, cultural pgm, ID (Carson OK 12/23)
- 11945 CANADA RCI in EG 2200, world nx, wx, sports, SWL Digest (Eaton NC 1/6) in EG 1930 w/nx on Panama situation, Romanian revolution etc. (Price VA 12/20)
- 11955 CHINA R. Canada via Xian in EG 1310, "Canadian Journal", off 1329 (Park HI 1/5)
- 11955 SWITZERLAND SRI in AR 1730, ID, sked, world nx (Dillon GREECE 12/9)
- 11965 KWANDA Deut. Welle relay in EG 1529, "Newline Cologne", "Insight" (Park 12/12)
- 11970 EAST GERMANY R. Berlin in EG 0638, mx, ID, cmntry, f (Price VA 12/7)
- 11980 GUAM KSDA Arab. World R. in EG 1638, Bible reading, mx bits (Tuchscherer WI)
- 11985 UNITED ARAB EMIRATES Abu Dhabi in EG 2225-2320, DJ & rock mx, ID, nx (Zobro MI)
- 11990 CZECHOSLOVAKIA R. Prague in EG 0300, spec newscast, Xmas pgm (Carson OK 12/25)
- 11995 FRANCE RFI in EG 0340, tlk on cattle disease in Africa, g (Price VA 12/10)
- 12015 MONGOLIA R. Ulan Bator in EG 0910, IS, pgm on composer, sked (Hardester OKINAWA)
- 12015nf? GABON R. France Int relay. in EG 1640, top 5 LP in France, nx, f (Park HI 12/19)
- 12019v VIETNAM Vov in EG 1900, ID identifies Hanoi, nx, g (Morby NY 12/17)
- 13610 EAST GERMANY R. Berlin in GM 0130, ID, nx, cmntry, //9730,13690 (Prath FL 12/31)
- 13610nf? KUWAIT R. Kuwait in EG 1800, ID, pgm info, pop mx, f (Purdue MN 12/16)
- 13650 CANADA RCI in GM 1730, theme mx, ID, nx, //17820, f (Park HI 12/22)
- 13655 JORDAN R. Jordan in EG *0629, s/on w/Scottish pop tune, TC, ID, DJ w/pop mx, vg (Alexander PA, Tuchscherer WI) in EG 1300, ID, classical mx (Prath FL 12/9)
- 13670 SOUTH KOREA RK in EG 0850, world relations of Korea, ID (Zobro MI 12/27)
- 13685nf? CHINA R. Beijing in SP 0248-0257*, lang lesson, ID (Tuchscherer WI 12/28)
- 13720 GUAM KSDA AWR in CH 0355, relig pgm, EG annmnt for pgm in Hakka (Park HI 1/7)
- 13730 AUSTRIA RAI in EG/GM 1950, talk re composer, instrum mx, into GM (Carson OK)
- 13770nf? USA WGSN CSMonitor in EG 2145, "Letterbox", relig tlk, ezl mx (Tuchscherer WI)
- 13830 ICELAND ISBS Reykjavik in IC *1459-1617, tlk, Xmas mx (Alexander PA 12/24)
- 13861nf? ICELAND ISBS Reykjavik in IC 1456*, tlk, Xmas mx, //15767, 15790 (Alexander PA)
- 15020 INDIA AIR in lang? 1450, Vedic-type chants by men's chorus, p (Peck NY 1/2)
- 15030 CHINA R. Beijing in CH/EG 0838, education of lawyers in USA (Hardester OKINAWA)
- 15060 SAUDI ARABIA BSKSA in AR 0455, AR mx, tlk, mention "Arabia Saudia" (Klinck NY)
- 15125 GUAM KSDA Adv World R in EG 2311, relig tlk & mx, free calendar (Rosinsky CA)
- 15150 CANADA RCI in EG 2144, "SWLD" w/maillbag portion, //13670, 17820 (Park HI 12/16)
- 15155 INDONESIA RRI Jakarta in IN 2251, pop mx, exercise pgm (Kohlbrenner PA 12/17)
In TN 2258, ID as "Program Nasional.", nx, weak but sharp audio (Lackmann VA)
- 15171 SOCIETY IS. RFO Tahiti in TT 1115, tlk, ukelele mx, male chorus (Peck NY 1/2)
- 15180 USSR R. Kiev in EG 0032, nx by YL, ID, "Dialogue", f (Rydzewski CA 1/7)

- 15200nf? GUAM K1WR Merizo in EG *0800, IS, ID, relig tlk & mx (Alexander PA 12/17)
- 15225 GUAM KSDA Agat in CH 0600, ID in EG "Adventist World Radio" (Hardester OKINAWA)
- 15275nf? BANGLADESH RB in Urdu 1400-1545*, into Hindi 1515, f-p (Behr ONT 12/26)
- 15275 NO. MARIANAS KHBI Saipan in EG 2219, relig pgm, ID, g (Rydzewski CA 12/29)
- 15305 NORWAY RNI in NO 0235, mx, Scandanavian mx, ID in EG, off 0245 (Eaton NC 12/21)
- 15380 WEST GERMANY R. Liberty in RS 1835, tlk on East Bloc economics, ID (Prath FL 1/1)
- 15405 VATICAN STATE VR in SP *1330, pgm for "America Latina", nx, tlks (Prath 12/23)
- 15425 AUSTRALIA ABC Perth in EG 0858, Xmas carols, nx, more songs, g (Zobro MI 12/25)
- 15445 PHILIPPINES R. Veritas in EG/Sinhala 1330, relig pgm to Sri Lanka (Frodge MI) in EG 1500-1552, "The Church in the World", nx, ID's, into HD 1530 (Durant NY, D'Angelo PA 12/30, Tuchscherer WI 12/14)
- 15450 LIBYA R. Jamahiriya in AR 2300-2345, nx w/much fanfare, f-p (Cox OR 12/26)
- 15475 GABON Africa #1 in FR/EG 1740-2035, ID, mx w/DJ, ads, nx, cmntry, war drama (Dillon GREECE 12/20, Zobro MI 12/14, Frodge MI 12/1, Karcheski MA 12/1)
- 15476 ANTARCTICA I3A36 in SP 2135, mx, ID's, tlks to 2337*, f (Behr ONT 12/1)
- 15525 SWITZERLAND SRI in EG 2117, "Swiss Merry-Go-Round", features (Frodge MI 12/23)
- 15540 BELGIUM BRT in EG 1848-1903*, pop/rock mx, tlk re compact discs (Tuchscherer WI)
- 15640 ISRAEL Kol Israel in Georgian 1510, tlk re Ceausescu, mx, ID, f (Peck NY 12/23)
- 15780v ICELAND ISBS in IC 1958, tlk, Xmas mx, //13855, 15767 (Alexander PA 12/24)
- 17595 MOROCCO RTV Marocaine in FR 1503-1700, rock songs, p (Zobro MI, Newcomer PA)
- 17630 GABON Africa #1 in FR 0724, ID, AF pop mx, nx (Carson OK 1/5)
- 17660 PAKISTAN RP in EG *0227, ID, slo-speed nx, terrible audio (Jordan PA 12/19)
- 17690nf USSR R. Rodina in RS 0240-0257*, tlks, heroic male chorus, ID (Jordan PA 1/1)
- 17690nf USSR R. Kiev in EG *0300-0330*, IS, ID, nx, "R. Kiev Dialog" (Jordan 1/1)
- 17705 NEW ZEALAND RNZ in EG 0718, nx, Xmas mx, S. Pacific mx, f (Carson OK 1/5)
- 17715 CANARY IS. REE relay in SP 2220, tlks, ID's & freqs, mx, interviews (Jordan PA)
- 17735 OMAN R. Oman in AR 1722, bouncy folk mx, many mentions of Oman (Peck NY 12/23)
- 17740 NORWAY RNI in EG 0900, xmsn to SEAsia w/pgm on Dhali Lama receiving Nobel Peace Prize and struggles in Tibet, f-g (Hardester OKINAWA 12/10)
- 17740 SWEDEN RS in EG *1230, nx w/rpt on events in Romania, //15190 (Prath FL 12/23)
- 17750 AUSTRALIA RA in EG 0004, International Report, //15240, 17795 (Durant NY 12/15)
- 17755 JAPAN RJ in EG 0113, Japanese & world nx, pgm notes, ID, cmntry on Japanese aid to Europe (Frodge MI 12/7) ED: PWBR 1990 lists Gabon as RJ relay on this freq.
- * 17775nf? VATICAN STATE VR in CH/EG/VT 1145-1300, CH to 1145, in EG 1200-1220, then into VT, QRM from UAE and R. Moscow (Jordan PA 12/14)
- 17775 UNITED ARAB EMIRATES R. Dubai in EG 1329, nx, features (Zobro MI, Frodge MI)
- 17815 MOROCCO R. Morocco in EG 1700-1758, "Radio Morocco" ID at 1700 (Zobro MI)
- 17845 SPAIN RNE in SP 1926, IS, NA, ID, stronger than co-channel WYFR (Park HI 12/10)
- 17850 ROMANIA R. Bucharest in EG 1341, Sonya w/ethnic mx pgm (Frodge MI 12/3)
- 17855 MARIANAS IS. KHBI Saipan in EG 0628, pgm on environment, God's gifts, ID "This Is KHBI coming to you from Saipan, Marianas Islands" (Hardester OKINAWA 12/10)
- 17865 PHILIPPINES VOA relay in RS 0800, IS, ID in EG, freqs, nx, g (Park HI 12/15)
- 17870 LIBERIA VOA relay Monrovia in EG 1727, nx, interviews (Klinck NY 12/10)
- 21470 CYPRUS BBC relay in EG 1410, pgm on Islamic community (Durant NY 12/10)
- 21475nf? AUSTRIA RAI in EG 1145, rpt on Czech nuclear power plant, //13730 (Prath FL)
- 21485 MADAGASCAR RNW relay in EG 0852, "Media Network", //17575, f (Park HI 12/14)
- 21495nf? PORTUGAL RP in PT 1800, ID, instrum mx, nx, xmsn to Africa (Estes AL 1/8)
- 21525 QATAR QBS in AR 1616, tlks, AR mx, QRM from WYFR (Durant NY 12/17)
- 21550 FINLAND RF in EG 1411, feature on fresh water seals, g (Frodge MI 12/3)
- 21590 SOUTH AFRICA RSA in EG 1413, feature on rescue services, //21535 (Frodge 12/3)
- 21700 GABON R. Japan relay in EG 1520, economic news abt Japan, f (Newcomer PA 12/29)
- 21715 HONGKONG BBC relay in EG 0100-0156, "Play of the Week" (Kohlbrener PA 12/24) in EG 0750 w/"Wave Guide", ID, nx, "The Pleasure is Yours" (Hardester OKINAWA)
- 21770 FRANCE RFI in EG 1400-1430*, "Listener's Letters", Xmas mx, nx, sports, ID, pop mx, skeds, address (Prath FL, Durant NY, Frodge MI, Rosinsky CA, Park HI)
- 25850 DENMARK RD in DN *1300-1328*, IS, ID in EG/DN, mx fill, tlks, choral mx, NA at s/off (Frodge MI 12/3, Jordan PA 1/4)
- 25895 UNITED ARAB EMIRATES R. Dubai in Farsi 1220, tlks, AR recitations, rhythmic vocals & instrml selections, ID 1230, nx? w/refs to Iraq, Iran (Jordan PA 12/31)

HELP WANTED DEPARTMENT Bob Rydzewski in California reports an unidentified station on 15080 xmiting from 0044-0101 on 1/7 in EG preaching on the Bible vs. "New Age" material. The annr had an Australian accent, gave freq info but no ID. Has anybody heard this one?
PIRATES AND CLANDESTINES There's not enough room for Pirate & Clandestine reports this month. We'll save them and try to have a two-month separate report on these next month

English Schedules

Tom Sundstrom

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Vincentown, NJ 08088-2275
MCI Mail 244-6376
Fax 609-859-3226
Pinelands RBBS 609-859-1910

Thanks to Chuck Rippel for his work as Executive Director these past two years, and congratulations to Bob Brown in the assumption of this post. The new Journal format is clearly a success, judging from the comments received here.

Don't forget that the **Winter SWL Festival** will be held February 23-25 at the Kulpville/Lansdale (PA) Holiday Inn. See the past bulletins for information.

Thanks to John Carson (OK), Kris Field (PA), Gordon Darling (Papua New Guinea), and Dale Park (HI) for forwarding schedules, lots of schedules. Notable among schedules we hadn't seen for a long time were ones from Bulgaria, Radio Station Peace and Progress, and (for a change) a detailed ORF schedule breaking out languages and target areas. Also saw a V of Hope/Lebanon for the first time.

From Joe Hanlon, V of UAE adjusted 31 m up 5 kHz to 9600 at 22-24, the others remaining the same, and the correct days and times for DX Asiawaves on KSDA. DW at 02 to As changed 11835 to 11965. Joe also heard the opening of the 100 kw transmitter at RNZ at 04 UT Jan 24, on 17680, and an announcement that it was moving to 9850 at 06. Re RNZ, I have made a best guess on the new schedule out of the conflicting information. On the RFB-65 portable, I can hear 17705 circa 04, and at 21 UT on the NRD-525 I am listening to 17680 kHz.

Dale Park provided the new schedule from **R Australia**, and the changes here include

his observations not included in the printed schedule. These include 11930 (probably Brandon) noted from 08 to beyond 1935 and the use of 6020 from around 1600 to beyond 1730 (I assume it continues all the way through to its published schedule start). Dale mentions that 11705 replaces 15415 in the Hawaiian evening but I haven't deciphered these times yet. Also, **R Australia** is announces 17600 will be used 01-09 but wonders if this will be used just for Commonwealth Games?

Gordon Darling sends a copy of a verification letter from Nassor M. Suleiman, Maintenance Engineer, **Radio Tanzania Zanzibar**, PO Box 1178, Zanzibar, Tanzania. Mr. Suleiman writes "We transmit on 11735 kHz from 15:00 hrs U.T.C. to 18:15 U.T.C. sometimes to 18:30 hrs U.T.C. Hopefully, you can also hear us also on 6015 kHz from 11:00 hrs U.T.C. to 20:00 hrs U.T.C. Each transmitter have an output power of 50 kw. All our programmes are in Kiswahili language. Our station "ID" is "Sauti ya Tanzania Zanzibar". Fascinating stuff. Thanks for sharing this, Gordon. Speaking of Papua New Guinea, I hope some of you had a chance to see the three-part Cousteau series on Papua New Guinea on WTBS (cable) or on one of your local channels, airing in early January. I was surprised to learn that 700-odd languages are spoken in this part of the world, approximately half of those found on the planet.

New versions of the English language schedules, receiver control and utility logging PC software was released mid-Jan. Changes include: The schedules program is now UTC day/time smart, using the internal computer clock to seek records by time, and the viewed records can be restricted to transmissions in progress. The receiver control programs differ from most other control programs and focus on database management of the memories. The NRD-525 and R-5000 programs offer options to combine and rename files, scan memories or frequency ranges and both support their respective VHF modules. The R-5000 version can additionally poll receiver memories and make a datafile from the current receiver memories. The Utility Logbook now suggests the UTC day/time when logging a station. For more information send a business-sized SASE to the address on the masthead above, or download info from the Pinelands RBBS.

Changes entered between 12/30/89 and 01/26/90.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, W2XQ

Start Time (UTC)	End Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000	0100	Australia	R Australia	21740	17795	17750	15320	15240	15160			As/Pac/PapNG		01/25/90
0100	0400	Australia	R Australia	21740	21525	17795	17750	17715	15395	15320	15240	As/Pac/PapNG		01/25/90
0100	0150	Fed Rep Germany	R Deutsche Welle	11865	9735	9565	6145	6040				EMA		01/06/90
0200	0250	Fed Rep Germany	R Deutsche Welle	11965	11945	9690	9615	7285	6035			As		01/19/90
0300	0350	Fed Rep Germany	R Deutsche Welle	9605	9545	6130	6085					NA		01/06/90
0330	0600	New Zealand	R New Zealand Int'l	17730	17680	15485						E Pac	either #2 or #3	01/25/90
0400	0500	Australia	R Australia	21740	21525	17795	17750	17715	15395	15320	15240	As/Pac/PapNG	#4&6 Sa-Su only	01/25/90
0400	0500	Bulgaria	R Sofia	11765	11735	11720	9700	7115				Afr/NA		01/16/90
0400	0450	North Korea	R Pyongyang	17765	15180	13650						SE As		01/01/90
0400	0600	USA	MCSN	9840								S Afr	105 dep	01/20/90
0500	0600	Australia	R Australia	21740	21525	17795	17750	17715	15395	15320	15240	As/Pac/PapNG		01/25/90
0530	0600	Austria	DRF	21490	15410	13730	6155	6015				ME/Eu/WNA	#5 v Canada	01/20/90
0600	0630	Australia	R Australia	21740	21525	17715	15395	15240	15160	11910		As/Pac/PapNG		01/25/90
0600	1000	Lebanon	V of Hope	6280	6215							ME	# 2 alt	01/25/90
0600	0700	Malta	V of Mediterranean	9765										01/14/90
0600	0650	North Korea	R Pyongyang	15180	13650							SE As		01/01/90
0630	0700	Australia	R Australia	21740	21525	17715	15395	15240	15160			As/Pac/PapNG		01/25/90
0700	0730	Australia	R Australia	21740	21525	17715	15395	15240	15160	9655		As/Pac/PapNG		01/25/90
0700	0750	North Korea	R Pyongyang	15340	11335							SE As		01/01/90

0730	0800	Australia	R Australia	21525	17715	15395	15160	9655			As/Pac/PapNG	01/25/90	
0800	0830	Australia	R Australia	21525	17750	17715	15395	15160	11930	9655	9580	As/Pac/PapNG	01/25/90
0800	0830	Bangladesh	R Bangladesh	15195	11705							Eu	12/30/89
0800	0930	Guam	KTWR	15200								Far East	01/05/90
0800	0850	North Korea	R Pyongyang	15180	15160	11830						SE As	01/01/90
0830	0900	Australia	R Australia	21525	17750	17715	15395	11930	11720	9655	9580	As/Pac/PapNG	01/25/90
0830	0900	Austria	ORF	21490	15450	13730	6155					Aus/As/Eu	01/20/90
0900	0930	Australia	R Australia	17715	15415	11930	11720	9760	9655	9580	6020	As/Pac/PapNG	01/25/90
0900	0950	Fed Rep Germany	R Deutsche Welle	21680	21650	21600	17820	17780	15410	11945	9650	Aus/As/S&C&E Afr	01/06/90
0930	1030	Afghanistan	R Afghanistan	17720	15350							S&SE As	v USSR 01/25/90
0930	1000	Australia	R Australia	15415	11930	9760	9655	9580	6020	5995		As/Pac/PapNG	01/25/90
1000	1030	Australia	R Australia	15415	11930	9770	9655	9580	6020	5995		As/Pac/PapNG	01/25/90
1030	1100	Australia	R Australia	15415	11930	9770	9580	6020	5995			As/Pac/PapNG	01/25/90
1100	1130	Australia	R Australia	11930	11800	9770	9710	9580	7215	6080	6020	As/Pac/PapNG	01/25/90
1100	1150	North Korea	R Pyongyang	11735	9977	9645						Am	01/01/90
1100	1115	Pakistan	R Pakistan	21575	17555							M Eu	Slow-speed news 01/20/90
1130	1200	Australia	R Australia	11930	11800	9770	9710	9580	7215	6080	6035	As/Pac/PapNG	01/25/90
1200	1230	Australia	R Australia	11930	11800	9770	9710	9580	7215	7205	6080	As/Pac/PapNG	01/25/90
1230	1300	Australia	R Australia	11930	9770	9580	7215	7205	6080	6035	6020	As/Pac/PapNG	01/25/90
1230	1300	Bangladesh	R Bangladesh	15195	11705							Eu	12/30/89
1300	1400	Australia	R Australia	21525	11930	9580	7205	6080	6035	6020	5995	As/Pac/PapNG	01/25/90
1300	1350	North Korea	R Pyongyang	15180	13650	9645	9345	9325				SE As/Am/Eu	01/01/90
1330	1400	Austria	ORF	15430								Far East	01/20/90
1400	1430	Australia	R Australia	11930	9580	7205	6080	5995				As/Pac/PapNG	01/25/90
1400	1500	Malta	V of Mediterranean	11925									01/14/90
1415	2155	Jordan	R Jordan	9560									12/31/89
1430	1500	Australia	R Australia	11930	9580	7205	6080	6035	5995			As/Pac/PapNG	01/25/90
1430	1600	Lebanon	V of Hope	6280	6215							ME/India	01/25/90
1500	1600	Australia	R Australia	15245	11930	9580	7215	6080	6035	5995		As/Pac/PapNG	01/25/90
1500	1550	Fed Rep Germany	R Deutsche Welle	21600	17765	15135	11965	9735				S&C&E Afr	01/06/90

Changes entered between 12/30/89 and 01/26/90.

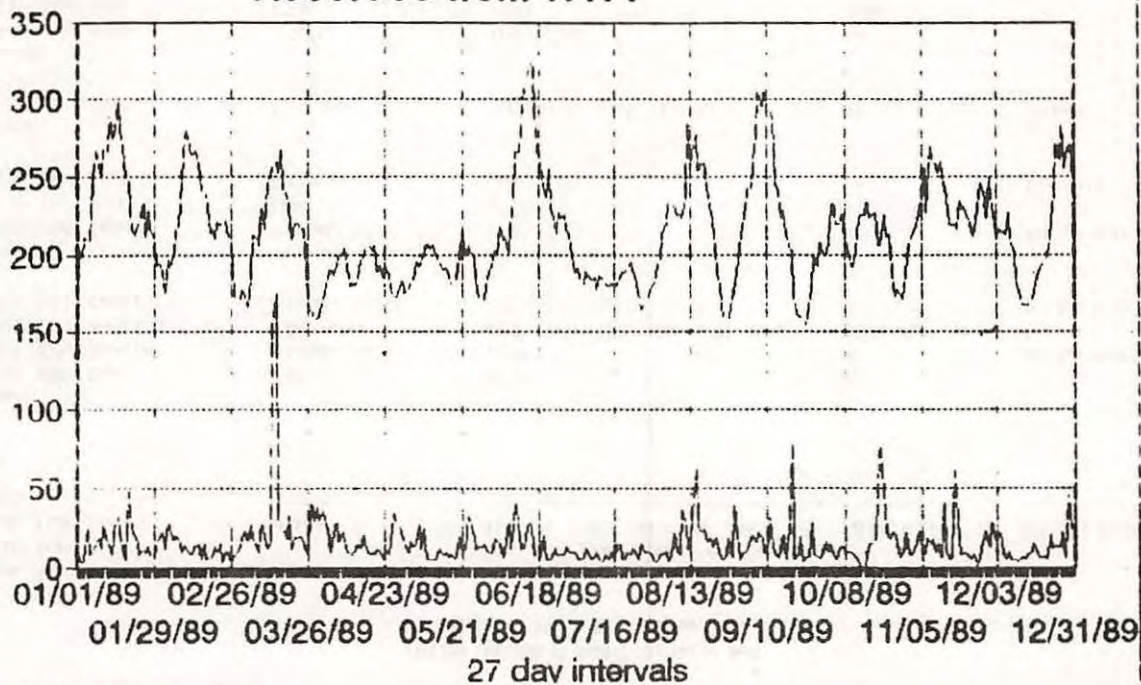
ENGLISH LANGUAGE DX SHOWS: By Day of Week

Compiled by Thomas R. Sundstrom, W2XQ

Shortwave DX Program	Show Start Time	Xasn 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														
DX Asiawaves	0230	0200	Guam	KSDA	13720							As		01/16/90
Listeners' Corner	0307	0300	Austria	R Canada Int'l	11925							ME	occ has sked data	01/25/90
Communicator	1430	1430	Australia	R Australia	11930	9580	7205	6080	6035	5995		As/Pac/PapNB		01/25/90
Listeners' Corner	1807	1800	Canada	R Canada Int'l	17820	15260	13670					Afr	occ has sked data	01/25/90
** DAY OF THE WEEK: Monday														
Listeners' Corner	0107	0000	Canada	R Canada Int'l	9755	5960						USA	occ has sked data	01/25/90
DX Asiawaves	1050	1000	Guam	KSDA	13720							As		01/16/90
DX Programme	2250	2230	USSR	R Vilnius	9765	6100						Eu	bi-weekly	01/21/90
** DAY OF THE WEEK: Thursday														
DX Programme	2320	2300	USSR	R Vilnius	15455	15180	9765	7400	6100			NA	bi-weekly	01/21/90
** DAY OF THE WEEK: Saturday														
P Sofia Calling	0045	0000	Bulgaria	R Sofia	11680	9700						NA		01/26/90
DX Asiawaves	1630	1600	Guam	KSDA	11980							India		01/16/90
DX Asiawaves	2330	2300	Guam	KSDA	15125							SE As		01/16/90

Solar Flux & A-Index: 1989

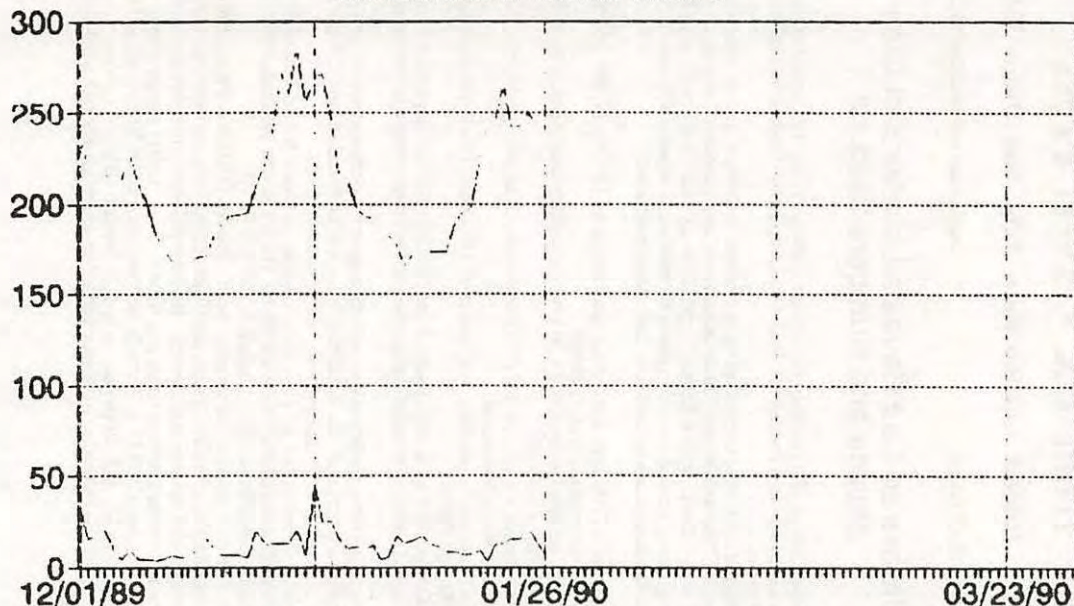
Recorded from WWV



by Sundstrom

Solar Flux & A-Index: 12/89-3/90

Recorded from WWV



27 day intervals

by Sundstrom

News! from DX • SWL Press

10606-8 Camino Ruiz, #174, San Diego, CA 92126

FOR IMMEDIATE RELEASE

Additional information: (619) 578-4577

***Umbra et Lux* Reveals Locations of Clandestine and Numbers Stations**

In a world exclusive, the monthly newsletter *Umbra et Lux* has revealed the locations of transmitter sites used by Radio Venceremos, Radio Caiman, Radio Quince de Septiembre, and several "numbers" stations.

The transmitter sites were uncovered by the famed "numbers" station researcher who goes by the pseudonym of "Havana Moon." In an apparently unprecedented move, an agency of the U.S. government with radio direction-finding capabilities agreed to cooperate with Havana Moon in locating the originating sites of several mysterious shortwave signals. The results, as revealed in the December and January issues of *Umbra et Lux*, were as follows:

- Radio Caiman's 7490 kHz transmitter was traced to 14° 30' N, 90° 35' W, or within a seven mile radius of Guatemala City, Guatemala.
- Radio Quince de Septiembre's 6214.39 kHz transmitter was found to be at 13° 33' N, 87° 29' W, near Jicaro Galan, Honduras.
- Radio Venceremos's signal on 3551 kHz was found to be coming from 13° 23' 19" N, 85° 52' 00" W, near Sacramento, Nicaragua.
- "Numbers" stations transmitters were traced to Jamelteca, Honduras, Jinotega, Nicaragua, and Guineo and Havana Cuba.
- Different transmitter sites were found to be used on different days by a five-digit Spanish numbers station on 6577 kHz. This signal has caused serious interference to aeronautical traffic.

In the coming months, *Umbra et Lux* will have several additional revelations about clandestine broadcasters and numbers stations. Additional sites will be revealed, and a major technical discovery involving certain numbers stations will be discussed in detail.

Havana Moon is the author of *Uno, Dos, Cuatro: A Guide to the Numbers Stations* published by Tiare Publications (ISBN 0-036653-06-X). He is also the moderator for *Los Numeros On-Line* on the Portal telecommunications service (408-973-9111).

Umbra et Lux is a monthly newsletter published by DX/SWL Press. Edited by Harry Helms, it covers signals and communications intelligence, numbers stations and related shortwave mysteries, espionage, and counterintelligence. Its editorial staff includes Havana Moon, Don Schimmel of *Popular Communications* fame, and Kristin Kaye. Yearly subscriptions are \$18 in the United States and possessions, \$21 to Canada and Mexico, and \$30 airmail to the rest of the world. Sample issues are \$2, with all payments in U.S. funds to DX/SWL Press.

DX/SWL Press is a publisher of books and other materials for radio hobbyists and electronics enthusiasts.

PUBLISHER'S PAGE



NO COLLECT CALLS ON THESE ADS, PLEASE.

FOR SALE: Drake 1A receiver, serial #498, in good condition. Best offer. I can also provide 10:1 matching transformers as described in "Fine Tunings Proceedings 1988." Perfect for matching beverage antennas. Binding post inputs and SO-239 output. \$16.00 each postpaid. Steven R. Lare, 824 West 25th Street, Holland, MI 49423.

FOR SALE: Grundig Satellite 500. Like new with original carton and manuals and AC adapter, \$400.00. Victor Orlando, 1711 Robinson Avenue, Havertown, PA 19083. Phone (215) 853-2878.

WANTED: Uniden CR-2021, Realistic DX400, Magnavox (Philips) D2924, or similar receiver. Ken McCoy, 9747 South Oswego, Tulsa, OK 74137. Phone (918) 298-1657 evenings.

FOR SALE: ICOM R71A with narrow PBT filter and notch in AM, \$600.00. "Popular Communications" magazines, issue 1 to 1987 in binders, \$60.00. List of antique radios, parts, tubes, and literature for sale for an SASE. Fritz Mellberg, 1505 Central, Hawarden, IA 51023. Phone (712) 552-2458 evenings except Tuesday.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to over 435 WRTH-89 transmitter sites. Useful in selecting alternate transmissions and choosing listening times based on distances. ITU Country Codes included. Send your location/coordinates. \$6.25. "Passport to Worldband Radio" 1989, \$9.75. "FRENDX" '89, \$9.25. WRTH-87, \$8.50. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

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