

SPEEDX

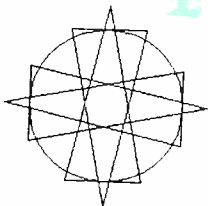
MAY, 1989

VOLUME 19, NUMBER 5

SPEEDX Awards Program

OVER 20 AWARDS AVAILABLE

THE AMERICAS	USSR	VOA	EUROPEAN
ASIAN	INDONESIAN	AFRICAN	
JOURNEYER	VOYAGER	WAY DOWNUNDER	
GLOBAL VOYAGER	WAYFARER	UTILITY HUNTER	
GLOBE TROTTER	360	MARS	MASTER UTILITY
EXPEDITIONIST	CW BEACONS		ARMED FORCES
		CRUISE SHIPS	

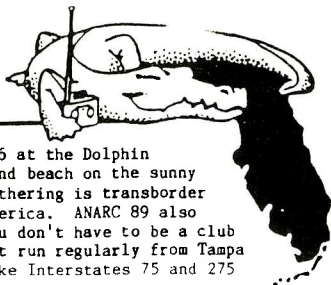


**Harold Woering
48 Campbell Dr.
Easthampton, MA
01027-2724**

- | | |
|--|---------------------------------------|
| 2. ANARCON '89 | 21. EUROPE, Daniel Sampson |
| 3. SPOTLIGHT ON.... John Trautschold | 24. USSR, Jason Berri |
| 5. DX MONTAGE, Ed Janusz | 26. AFRICA, Al Quagliari |
| 8. LATIN NOTEBOOK, Carl Huffaker | 30. ASIA/OCEANIA, William Westenhaver |
| 10. TECHNICALLY SPEAKING.... Kent Willis | 35. OSL REPORT, Ray Forsgren |
| 13. CONTINUOUS TUNING, Bruce MacGibbon | 39. UTILITY SCENE, Paul Lannuier |
| 17. WESTERN HEMISPHERE, Thomas F. Sable | |

THE DX MAGAZINE FOR ACTIVE SWLs

ANARC-89



ANARC's annual convention will be held July 14-16 at the Dolphin Beach Resort, located on a seven-mile-long white sand beach on the sunny Gulf Coast of Florida. The focus of this year's gathering is transborder broadcasting in the Caribbean region and Central America. ANARC 89 also marks the 25th Anniversary of ANARC's founding. You don't have to be a club member to attend. Buses to the Dolphin Beach Resort run regularly from Tampa International Airport. For those coming by car, take Interstates 75 and 275 to St. Pete Beach.

The Dolphin Beach Resort Hotel has agreed to offer the special ANARCON room-rates for as many days as you want before and after the convention, so you can plan a family vacation around the event. While dad (or mom!) takes in the convention, mom (or dad) and the kids can relax on the beach, use the hotel pool, go waterskiing, deep sea fishing, miniature golfing, parasailing, etc. Walt Disney World/EPCOT Center - the world's most popular tourist complex - is only 90 minutes away. An optional all-day visit is planned for conventioners on Monday, July 17th. Kennedy Space Center, Busch Gardens, and Sea World are also within easy driving distance or bus range.

Here's what we have lined up for you (as of our mid-March press deadline):

Friday morning, July 14th, the registration desk will open at 10 a.m., as will the exhibition area for displays by ANARC clubs, equipment vendors, radio stations and publishers. There'll be a continuous screening of English-language videos from the ITU Library, including: "Black Bamboo" (design and construction of the Indonesian Radio Monitoring Center's antenna system); "Grimeton" (construction/operation of one of the world's most powerful radiotelegraph stations in Sweden in the 1920s); "Tale of a Tower" (construction of a 1080-foot concrete antenna tower in England); "Telecommunications Development in Burma" (telegraphy, telephony and radio, 1857-1987); "Toktok" (building a microwave network in Papua New Guinea); "The Vital Link for Sailors" (a day at Danish Coastal Radio); and "Window on the World" (history of television in Europe).

On Friday evening, the World Radio-TV Handbook will host a poolside reception, with tropical drinks, hors d'oeuvres and music by a steel band. This will be followed by a "Radio Comedyfest," short radio-related comedy films from the 1930s to the 80s.

Starting late Friday afternoon, all day Saturday and wrapping up Sunday morning, our scheduled speakers will include: Ernesto Betancourt, Director, Radio Marti, on "Radio Marti in an Era of Glasnost"; Bill Crawford, co-author of "Border Radio," with an audio-visual history of superpower AM stations on the US/Mexico border; H. Dickson Norman, President, NDXE Global Radio, on "NDXE's Vision"; Fred Osterman, Manager of Universal Shortwave, on "New Shortwave Modulations"; Jerry Romaine, Director of Grenada's Government Information Service, on "Broadcasting In and From Grenada"; John Santosuosso, Chairman, Dept. of History/Political Science, Florida Southern College, on "The State of Clandestine Broadcasting in Latin America"; and O. G. Villard, Jr., Senior Scientific Advisor, SRI International, on "Interference Reducing Antennas for Shortwave Listeners."

In addition, we have several panel discussions and forums scheduled: "The ANARC Forum," a discussion of ANARC's past, present and future; "The International Broadcasters Forum," an annual tradition, in which station representatives answer questions and discuss topics of mutual interest with the audience; "Radio in Conflict," with representatives of stations involved in political confrontations in Central America discussing their activities; "St. Pete SW Merry-go-Round," an equipment/technical round-table moderated by a popular DX show host; "The World Radio-TV Handbook Quiz," moderated by Andy Sennitt, Editor of the WRTH, this year focussing on Latin America.

Saturday night, July 15, will be the ANARC Banquet, followed by presentation of awards by ANARC and the WRTH. Ian McFarland will conduct the annual ANARC fundraising raffle, and Alfonso Montelegre of Radio Netherlands will record an edition of his popular music show with conventioners as the live audience.

Sunday afternoon is free for beach activities, sight-seeing, and (if you must go) checking out from the hotel. Monday, July 17th is the optional trip to Orlando to visit either Disney World or the EPCOT Center. Buses leave from and return to the Dolphin Beach Resort.

To register write: ANARC-89, P.O. Box 272301, Tampa, FL 33688 USA

Spotlight on...

SPEEDX SPOTLIGHTS:

MAY 1989



EDITED BY: JOHN TRAUTSCHOLD & THE ALTAIR 8800 COMPUTER
354 N. WINSTON DRIVE, PALATINE, IL 60067-4132 U.S.A.

TOTAL CONTRIBUTORS: 59

2 ALLRED, BRENT	EC ICF2010	1	JOHNSON, DAVID	ID FRG7700
1 ARCHER, ROWLAND	NC	1	KANA, JOHN	GA R390
5 BERHENT, DON	MA	4	KERRIGAN, PATRICK	IL R1000
4 BERRI, JASON	CA R2000	5	KLINE, JAMES	CA FR88000
2 BEVENS, EDWARD	MA	.26	KLINGE, JACK	CO
6 BISHOP, FORREB	NY RF4800	2	KLINGENFUSS, JOERG	FB ICF2010
1 BLAIR, ARTHUR	CA NRD515	5	KUNKEL, ROLAN	CA DX440
3 BLIGHT, WILLIAM	MD FR88000	1	LAAG, ROBERT	CA
6 BROWN III, EDWARD	IL ICF76000A	4	LANGLOIS, HAROLD	FL
2 CADORETTE, NORMAN	MA IC-R70	5	LEVISON, HAROLD	PA IC-R70
6 CARD, PETER	RI NR4515	6	MATSUSHITA, YUKIMASA	JP RF2200
6 CARSON, JOHN	OK SPR4	10	MEZEK, FRANK	CO IC-R71A
7 CICHOREK, EDWARD	MA FR88000	7	MILLER, WILLIAM	CA DX400
1 CODAY, RICHARD	CA FR87700	2	MORBY, LINDA SUE	NY R5000
3 D'ANGELO, RICHARD	PA NC190	1	PERRON, FRED	NY NR525
7 DOWNING, RON	CO IC-R70	1	RADTKE, CARL	CA SPR4
1 ECKERT, JOHN	PA R5000	2	ROBINSON, BETSY	TN ICF2010
2 EHLY, STEWART	IA IC-R71A	5	ROGERS, JOHN	MA
5 FAMILARO, RALPH	WJ ICF6000A	1	SABLE, THOMAS	PA TS430S
4 FISCHER, GREG	WI NRD525	1	THORNTON, DON	NJ
5 FISHER, JOHN	MA	1	THUNBERG, BOB	PA R1000
8 FLYNN, BILL	CA R2000	5	TREBCHER, FRED	PA ICF2010
4 FRASER, BOB	MA XCR30	1	TUNICK, HOWARD	CT ICF-8W1
5 GEARS, GARY	IL R5000	2	VALENTINE, F.A.	CA IC-R70
5 GEORGE, STEVE	MA R5000	2	WAKEFIELD, PAUL	IA ICF2010
1 GERSTNER, JOHN	FL DX1000	3	WALLACE, ANDREW	MA
15 HARDER, PHILIP	CO	1	WASHBURN, CHARLES	ME R1000
22 HEINEN, WAYNE	CO R390A	1	WEBER, DONALD	OH R2000
1 HESCH, RUTH	NY R1000	1	WESTENHAVER, WILLIAM	PQ ICF6500W
3 HOWELL, JOE	CA			

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:
AFRICA / UTILITIES

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:
WESTERN HEMISPHERE / USSR

THE FOLLOWING MEMBERS HAVE ACHIEVED THE STATUS OF FULL!

JIM ETTEN.....MN ROLAN KUNKEL.....MN
JOE HOWELL.....CA DON THORNTON.....NJ

THE FOLLOWING MEMBERS HAVE CONTRIBUTED FOR THE FIRST TIME!

DON BERHENT.....MD HOWARD TUNICK.....CT
EDWARD BEVENS.....MA

Welcome aboard guys! Thanks for your contributions and hope to see your names here month after month. SPEEDX is your magazine, so use it to the utmost! And thanks too to our 4 new full members this month. Your contributions have been invaluable and we too look forward to more from you all in the coming months. And by the way, remember that the 4 of you are now eligible to participate in the upcoming election for our new Board of Directors. If you are interested in running for a seat, get your nomination in today! If you really don't want to run, please make sure to vote later this year for those that are nominated.

GROVE ENTERPRISES ANNOUNCES A "NEW FREQUENCY DIRECTORY FOR SHORTWAVE LISTENERS!" The 268 professionally-bound and illustrated pages feature some 10,000 authoritative and accurate entries compiled from official documents

and off-the-air monitoring. While concentrating on the busy shortwave spectrum, listings are provided from 10kHz through 30MHz. Major listings include Air Force, Navy, Coast Guard, Federal Government, Aircraft, Space, Maritime, Public Safety, Business and Scientific, Common Carrier, Broadcasting and Longwave. Over 150 subtitles make identifications quick and easy. With major emphasis on utility stations, hundreds of timely world broadcasters' frequencies are also given. An exhaustive glossary of communications terms, call sign prefixes, procedural signals and abbreviations makes the *Directory* even more useful. The book is sorted by agency and cross-referenced for listeners to the first 30MHz.

The new *Shortwave Directory* by Bob Grove is available from Grove dealers or may be ordered directly for only \$14.95 plus \$2 shipping from:

Grove Enterprises
P.O. Box 98
Brasstown, NC 28902

or call toll-free (credit-card orders) 1-800-438-8155.

UPDATING THE VOA...the continuing story...

Now that the Washington D.C. facilities have been upgraded, the VOA is concentrating on the RF portions of it's worldwide facilities. The agency actually began planning the upgrade its transmitter facilities more than 10 years ago. Many of the VOA's transmitters are over 35 years old! Only 18% of the agencies transmitters could be considered modern...that is, built within the past 15 years.

To prepare itself properly for the bidding process of buying many new high powered transmitters, the VOA purchased 1 from each of four manufacturers, this permitted the technical staff to become familiar with the operation, installation, and maintenance of the transmitters in actual use. With this information in hand, the VOA was better able to write bid specifications for the remaining transmitter purchases.

We'll publish more about this again next month. Information for this article was taken from Broadcast Engineering, January 1989.

LONG-TIME SPEEDXER ROB HARRINGTON OF COLORADO WRITES:

"I am interested in hearing from SWLers who are also HAM Radio Operators. Please send your call to:
Rob Harrington
P.O. Box 22202
Denver, CO 80222-2202

I plan on getting my ham license this summer!"

WANT ADS...FOR SALE...WANTED...

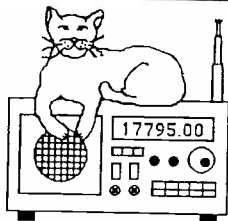
(Remember...all ads will automagically run for two consecutive months...space permitting, unless you tell us otherwise. And please, where phone numbers are given, don't call collect and do call during the hours posted or during reasonable hours!)

FOR SALE: Yaesu FRG-8B00 complete with FRA-7700 Antenna Tuner. Would like to sell for \$425. Frederick Perron, 555 Ft. Washington Avenue, New York, NY 10033.

WANTED: ICF-6500W, Panasonic RF-2200 in good condition. Call (912)228-1433. John Miller, 2620 Powell Drive, Thomasville, GA 31792.

WANTED: 1987 or 1988 Foreign Radio Amateur Callbook. Direct inquiries with price to Bob Thunberg at SPEEDX HQ s.

FOR SALE: I have available 10:1 matching transformers as described in Fine Tunings Proceedings 1988. Perfect for matching Beverage antennas. Binding post inputs, SO-239 output. \$16 post paid. Steven R. Lare, 824 W. 25th Street, Holland, MI 49423.



DX Montage

Ed Janusz

Box 149

Bricktown, NJ 08723

"You know what they say about Red Sox baseball. It's not life and death; it's more serious than that." --Ken Magrath, 10 April, 1989.

SPEEDX Ads work! I bought Bob Thunberg's boat anchor, as advertised in "SPEEDX Spotlights" last month; and one of these days I'll be (a) not working and (b) not at a baseball game, and the sun will actually be out, at which time I'll risk life and limb stringing up an antenna and seeing what this thing can actually do.

Not that I needed another receiver--but Emmett and Kelly approve of the new masthead (tnx Kent Willis), and, having heard of the warm qualities of boat anchors, suggested that I pick one up in preparation for winter. (Since cats, in general, have nothing on their minds, they have plenty of time to plan ahead).

You've still got a week or so--maybe even more than that, if this issue goes out on time for a change--to cast your votes in the SPEEDX Popularity Poll. Why not do it today? Well, okay...how about tomorrow? Deal?

And, don't forget, it's the time for Full Members to consider the forthcoming elections for the SPEEDX Board of Directors. Bob Thunberg at HQ is waiting for your nominations....

*

SPEEDX SELF-PORTRAIT, by Philip Wright

I am 37 years old and married with four children; I am employed as Chief Geologist in the exploration department of a gold-mining company here in Lynn Lake, Manitoba. Lynn lake is a small town of 1,500 people, 650 miles north of Winnipeg. Currently we operate one underground gold mine and are busy putting a second, this one an open pit, into production. The winters here in northern Manitoba are pretty cold, and, although I enjoy cross-country skiing, much of the winter months I spend tuning in the world on my Realistic DX-400. I have an outside trap antenna strung about 30 feet high between the house and the garage. This gives me pretty good reception except when the geomagnetics are particularly strong. Latin America has always been a problem, however, with plenty of static most of the time.

I first began SWling in 1972 when I was a University student living at home in Nova Scotia. At that time I discovered Radio Prague and HCJB on an old Motorola AM radio with a short wave band. I became a member of the Radio Prague Monitor Club then. After a lapse of about eight years during which I worked, traveled through the Pacific and Southeast Asia, and did further schooling in Montreal, I got back into short wave listening when I moved to Lynn Lake. I purchased a Realistic DX-100 which gave good reception but with very inaccurate tuning. After a couple of years I graduated to the DX-400, with an Autek QF-1A filter. I am a member of ANDEX and am an official monitor for Deutsche Welle and Radio RSA. Since I live in an old house with archaic wiring, a lot of external noise and interference causes problems; however my wife, Isabella, has gotten used to me asking her to turn off the TV for a few minutes every half hour for seven evenings a month while I catch those signals from DW and RSA.

Summers here are characterized by 18 to 19 hours of daylight and, with lots of lakes within a 20-minute drive out of town, I do a lot of fishing for walleye, pike, lake trout, and grayling. Although I do some DXing during this time, I try to make the most of the summer in the great outdoors, and my radio listening suffers accordingly. Being as isolated as I am, I don't get to attend any DX gatherings because of the time and expense involved in getting there. One day I hope to be able to get to an ANARC convention or other gathering of short wave enthusiasts and meet many of you whose names are so familiar through the pages of SPEEDX.

I hope so, too, Phil. Maybe Winnipeg or Edmonton 1 of these years...? Lynn Lake, it must be said, isn't very close to any, umm, population centers...but wasn't there an ANARCON in Thunder Bay some years ago? Anyway, thanks for writing.

ABOUT OUR COVER....

You can write to our friendly Awards Chairman, Harold Woering, to find out more about the SPEEDX Awards: Collect some nice certificates to decorate your walls or your QSL album, and maybe attain a lovely wooden plaque or two. Sounds good, huh? Please enclose \$1.50 (check or stamps) when writing to Harold for further details.

*

BOOK REVIEW: WIRELESS ANTENNA HISTORY: A Vertical Design Primer. by Walter Schulz, K3OQF

Reviewed by Paul Lannuier

Schulz's Wireless Antenna History begins with an overview of the early days of radio communications. The author touches lightly on the work of radio pioneers such as Maxwell, Hertz, Popov, Marconi, and Tesla, among others. The transition from spark-gap transmitters to Alexanderson alternator to vacuum tubes is also briefly chronicled. 34 historical photographs grace the center of the book, including many shots of the various antenna farms discussed in the text.

The second part provides "solutions to the feedpoint impedance problem of Hertz and Marconi antennas (and) show how to use capacitive and inductive reactances to reduce antennas' physical size. It also shows how L and T networks are designed with the universal reactance chart." Those who get excited at the sight of mathematical formulae will be delighted, as there are plenty of these. The content is geared towards those with more than a rudimentary knowledge of antenna basics. This is refreshing, considering the vast amount of "beginner" books on the market.

Wireless Antenna History is highly recommended for those who are interested in the early history of radio and the development of vertical antennas.

(\$16.95 + \$2.00 shipping from Gilfer, Box 249, Park Ridge, NJ 07656).

I hope that those of you who were able to get to the Dayton Hamvention got a chance to say howdy to our jovial Utilities editor, who, as is his wont (and his job, too), was representing Gilfer in the dealers' bourse.

*

PEN PALS, continued....

Alain Ladd, a cheerful SPEEDXer in Anaheim, reminds me to tell you about the Letter Exchange. Subtitled "A Magazine for Letter Writers," each issue (what do you call a magazine which comes out three times a year, anyway?) contains, along with essays and quips about the art of correspondence, literally hundreds of listings from people who want to exchange letters about any and all subjects. Amazing. Single copies are US\$5 in the US and Canada, US\$6 elsewhere, from The Letter Exchange, Box 6218, Albany, CA 94706. (Alain is a LEXer; that makes two of us....)

ABOUT OUR SECOND PAGE...

Here's some numbers for ANARCON '89. Registration is \$25, or \$40 for the whole family, regardless of how many of you there are. (You only need to pay the family rate if family members other than yourself will be participating in convention activities). The Banquet is \$25 per person.

Room rates are \$50 standard, \$58 Poolside, and \$66 Gulf-front (facing the beach), per night. You may have up to 4 additional people in each room at no extra charge. And these rates are good for all nights between the 9th and 22nd of July!

Here's the address again: ANARC-89, PO Box 272301, Tampa, FL 33688.

BRUCE IS THE BOSS

Our intrepid editor, Bruce MacGibbon, has set up an exchange programme with Banga (it means "the Wave" in Lithuanian), a DX-club based in Vilnius. I don't know for sure, but this may be the first example of cooperation between North American and Soviet DX-clubs ever.

If you need up-to-the-minute nooz in between your SPEEDXes, send Bruce \$5 and he'll send you 12 issues of THE DX SPREAD. He sends it out when he gets four pages worth of information; for instance, I just received #65, dated 19 April, followed closely by #66, dated...20 April. That's a lotta nooz....

MORE BOOKS

Fine Tuning, in collaboration with OZDX, is updating the 1988 Survey of Indonesian Stations. If you have this volume (it's still available for \$4, +\$1 shipping, from FT Special Publications, c/o John Bryant, Rte 5, Box 14, Stillwater, OK 74074), you can send a #10 SASE to John for the 4-page updater, which is based on the Australian monitoring. A new 1989

Survey should be available in August.

*

SPEEDX SELF-PORTRAIT, by William Blight

I am 20 years old, hobbies are DXing, component stereos, music, and writing letters. In fact, I have the tape recorder plug in the FRG-8800 connected into the AUX input of my stereo! I can make really high quality tape recordings of interval signals, programmes of interest, etc. I got my start in DXing back in 1979, when I was 9 years old. I started on a Mosley CM-1, which I still use, though it belongs to my uncle. He got me a DX-100, and then I started buying my own receivers in 1985. Oddly, with all this land available, I don't mess with building dipoles; with long wires, I've heard Asian time signals JJY (Japan) and BSF (Taiwan). As I say, it's not just the equipment, but the dummy operating it, that will get results. In fact, I've DXed Cameroon and Ghana on a DX-360, which is the ultimate piece of garbage!! I remember Brezhnev-era Radio Moscow and the heavy propaganda at that time. I easily remember CHU and BBC, as the Mosley was a Ham receiver, and covered the 7 MHz range, which all of these above stations can be heard on. I even remember trying to decode those numbers stations when I was about 10 years old. NOW I realize you can't....

Thanks for writing, William. It may be mutiny to say it, but I agree: Equipment is nice, but it doesn't make the DXer a DXer. The Realistic DX-400 isn't generally considered the world's greatest radio, but Philip Wright (p. 1) has heard some incredible stuff on it (as any of our loggings editors can attest).

William is also assistant editor for the WADXA (Washington Area DX Association), which is open to residents of the environs of the nation's capitol. For further details, you can write to Box 6527, Baltimore, MD 21219-0527.

*

So what does make a DXer? Just off the cuff, I'd offer as a few semi-prerequisites: (a) A taste for geography. Maybe I'm prejudiced, being 1 of those people who got hypnotized by maps since before I learned how to read, but I have a hard time dealing with the alarmist stories in the media (i. e., 93% of Americans couldn't find Chicago if they were standing in Wrigley Field)--I've always taken it as a given that people want to know where they are. (b) Patience. (c) Tolerance, and an open mind. This doesn't mean that you have to love everything you hear; but people who are driven to the nearest fire escape upon being confronted by something that isn't recognizably Lisa Lisa aren't likely to become maniacal DXers. Not yet, anyway. I've found that people who automatically reject something new are often suffering from always having been force-fed new things under less than ideal conditions--mediocre schools, fanatical "you-GOTTA-hear-this!" friends, or, simply, a lack of sympathetic minds with whom to share these discoveries. And a good supply of batteries, of course. Anything else?

A NOTE TO NEW MEMBERS: Or, the SPEEDX Movement Throughout the World is Growing in Scope and Strength

Those of you who have joined us in the last couple of months probably get the idea about DX Montage by now: It's a place for SPEEDXers (and not just me--spare us all, please!) to yak about whatever you feel like, whether it's by way of introduction or whether you have opinions about any particular facet of this endlessly fascinating hobby.

BOOK REVIEW: WBBM RADIO--YESTERDAY AND TODAY, by Chuck Schaden

In 1911, two brothers, Les and Ralph Atlass, started a Ham station in the town of Lincoln, Illinois. The radio bug bit deeply; twelve years later, they turned in their "spark" license and obtained a commercial broadcast license under the aegis of the family produce company, which was assigned the call letters WBBM.

Sixty-six years later, many North American radio fans can still hear "Newsradio 78." The station has produced a commemorative book (128 8½" x 11" pages) which traces its history through the early "wild west" days of commercial radio, through the glory years of live comedy and big-band shows, and into its current incarnation (now 20 years old) as an all-news station. And what a book! Great text and better photographs --a real celebration of a classic station and the great city of Chicago. This is the best radio-oriented book I've ever seen, and an excellent (read: fun) history book as well.

(I don't have overseas rates available, but in the US it's \$12.50 post-paid from: WBBM Book, 630 North McClurg Court, Chicago, IL 60611.)

73, Eddie

Latin Notebook



Carl Huffaker
Domicilio Conocido
Huasca De Ocampo
Estado De Hidalgo
Mexico

After writing about Ecuador's Escuelas Radiofónicas (ALER) last month, I remembered that it is often confused with Colombia's educational radio, Sutatenza. There were many parallels, but there seems to have been no connection. Both came from the church and were started by a young priest both of which became archbishops in their later life. Both came into being slightly over 40 years ago, both with the avowed purpose of educating the country Indians, the poor people, via radio, and together, they formed the basis of present day educational radio. But there, the parallel ends.

(It seems that this part of Mexico has trouble picking up the evening overload. As is often the case, they tried four times but the circuit-breakers wouldn't hold. So this next is writ by candlelight.)

Back to Colombia. There the priest, kept away from his parish by a superior who literally relegated him to quarters in the stable, remembered his brother's interest in radio. He studied, got his ticket, built a transmitter, and Sutatenza came on the air with a ham call. His first target area was a village across the valley, within sight, but a long walk. The feedback system was interesting, whenever part of an explanation wasn't adequate, the audience waved a flag, and he tried again. Later, he trained a monitor in each of the reception centers to follow with blackboard material, so when educational TV arrived, the procedure was already established. In Ecuador, it was less do-it-yourself, committee after committee, contracts with the single thread, the priest who kept things moving and resulted in Esuelas Radiofónicas.

In Colombia, education was the goal, and the need for radio justified by the belief that country people didn't really trust anyone from the Capitol. (I'll second that belief as my friends here are always quick to explain that I'm a "relative", not a "Capitalino".) But in Ecuador, the goal involved training leaders and establishing their following through controlled mass education. In Colombia, the government thought education by radio worthwhile and eventually took control. Because of the need to deal in local languages, they've gradually phased out their SW transmitters and are now entirely MW. But their influence remains. Just before Sani Radio came on the air, the Sutatenza crew were in Pto. Lempira for a six-week crash program to train the technical, broadcast, and writing personnel for the station. From Ecuador, the revolutionary movement was spread throughout Latin America, but more on an organization basis than the actual transfer of programs.

Station histories are a bit vague, most have gone through at least two generations of management since they started -- and almost everyone seems to have invented the wheel -- but this is the origin of education by radio as I've been able to reconstruct it. The trend now is away from SW as the local language requirement limits the target area to essentially MW coverage. Yet because it's cheaper and easier to get on the air, new stations will continue to start with SW.

But the radio missionary, who operates with an "educational license", is doomed to a chaotic future. Operating with a target area of economically depressed people, most slip into a need-for-political-change philosophy. And parties in power take offense which results in closure or restriction.

Radio Mil is either off SW again or operating at their super-reduced power which I'm unable to receive from here. They continue, however, to use the ID tape with MW and SW call letters and mentioning both frequencies every half hour on MW. The SW outlet in Merida is apparently inactive again. Otherwise, Mexican broadcasts and schedules remain unchanged. What is increasing is the number of broadcasts beamed toward Mexico from the north.

A bit of late-nite QRM this week. A silver fox (wild) jumped through the window in search of food. I'd never seen one outside a cage before. They are a beautiful animal, especially in action, and this time of year when the pelt's in the prime.

The signal from LV de Atitlán, 2390 kHz in Guatemala, continues to improve, perhaps twice what it was a couple of months ago. Despite their (the new station's) declaration to stay out of politics, they're voicing rather strong opinions again.

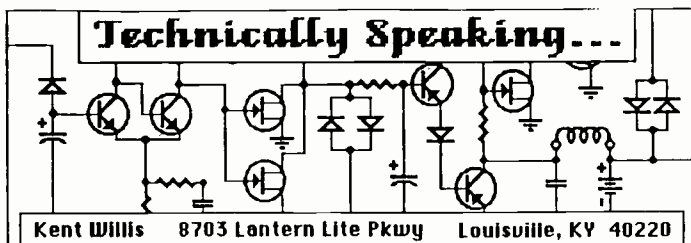
Also active on 120 meters, R Maya de Barillas, 2360 kHz, carries a full schedule paralleling 3325 kHz. The sunrise greyline from the area is on the East Coast now and will slowly swing west until summer. If you haven't logged these 120 meter Latins, you should be able to soon.

I saw a comment some months back that Radio Mexico was installing a "new transmitter". It's the one that was purchased during the Lopez Portillo era and has been in storage ever since as the budget never included money for installation.

It's March, and the March winds are here. I look out the window and watch the antennas. My predictions of maximum wind load were little more than a guess, and each day, I think I've underestimated. So far the wire antennas have stood up well, but a temporary doublet of TV ribbon was torn to pieces. A new QTH requires a lot of settling in.

But I am more-or-less settled in, so if any plan a trip down Mexico way, let me know in advance. The car runs well, and I can meet you almost anywhere.

73 *AL*



Welcome. 'Tis the season for thunderstorms, lightning and poor DX. For these reasons; this month we will examine the basic principles we need to understand in order to protect our equipment and our wallet from lightning induced damage. We will also take a look at some of the new shortwave products that are just becoming available. I hope to include news and discussion in this column concerning what's new on the shortwave "scene" on a more regular basis in the future. The needs and desires of SPEEDX'ers extend beyond the theoretical and scientific aspects of our fascinating hobby. "DX Montage" certainly provides another vehicle for the expression and analysis of the other facets of SWling/DXing.

If you are aware of any developments or trends which are primarily technical in nature, let me know. If your news or insights are primarily cultural, humorous, geopolitical or otherwise esoteric (hll), drop Ed Janusz a line. I had to change to a smaller font because of the scope and length of this article (Santa Claus gave me three pages this month!). I hope there won't be too much strain on the eyes of our senior readers. We will return to our audio filtering series in June.

Zzzap! KA-BOOM!!!!... "Hello?... El Expenso Receiver Repair Shop?..."

The destructiveness of a single bolt of lightning has been demonstrated time and time again, especially to those who have suffered a direct strike on their antenna or home. When I was 12, I was visiting a friend at his home after school in the springtime when it began to rain and lightning. I was standing in his livingroom looking out the front door, waiting for the rain to end so I could mount my trusty steed of iron and pedal home. I remember the brilliant, blinding flash and the tremendous, deafening noise that followed a direct strike on a large oak tree in the front yard. The tree split in two; one half fell forward into the street, the other half fell toward the house and entered the living room (without permission, no less!) through a large plate glass window. It sure was a memorable sight to see the charred and smoking top of a thirty foot tree *inside* the house. I sure wished I was still wearing diapers that day!

It doesn't take a direct lightning strike to seriously damage or destroy electrical appliances, especially sensitive receivers. An ordinary appliance like a refrigerator is susceptible to damage via only one source: the AC power line. Communications receivers are doubly susceptible; they can be destroyed through the AC power line as well as the antenna terminal. A single bolt of lightning may carry a current in excess of 30,000 amperes and can wreak electrical havoc *many* miles away from "ground zero". Quite logically, the higher and larger our antenna, the more likely it is to be struck by lightning. Unfortunately, these are the two most desirable features of an effective antenna system!

It is ridiculous to see many of the advertisements in shortwave supply catalogs for any device called a "lightning protector". Some devices and their associated "hype" give prospective customers the false notion that all they have to do is install the "protector" and their equipment is safe from all harm. There is absolutely NO device currently available (or commercially practical) which can protect your receiver from a direct strike on your antenna. Transient overvoltages (surges) on the AC line of sufficiently high amplitude and excessively fast "rise time" will destroy (or render ineffective) virtually any so-called "surge protector". Rise time is simply a measurement of how fast a signal waveform reaches 90% (by definition) of its maximum amplitude. The higher the rise time, the faster the surge reaches its maximum level. Some of the "protectors" simply can't respond quickly enough to accomplish their intended function: the shunting of destructive voltages and currents harmlessly to ground away from the "protectee".

We need to take a look at the major types of surge protection devices and examine how they function. We will examine their limitations in order to intelligently apply them and not expect (to our sad and expensive disappointment) more of such devices than they are able to deliver. There are basically two methods of dealing with a potentially damaging transient. The first involves *reducing* the magnitude of the conducted energy to below the limits of susceptibility of the object to be protected, permitting only a small portion of the total energy to reach the equipment. The second technique *removes* all of the total energy from the conduction path by shunting or directing the energy away from the circuit to be protected.

The old "carbon block" and "spark gap" lightning arrestors we find on TV antenna systems function according to the second method. Under normal conditions, i.e., low voltages (or more

accurately, low voltage *gradients*), the physical separation (spark gap) of the carbon rod points or metal contacts represents an extremely high impedance path to physical or earth ground. The energy from the antenna is normally conducted from the elements, down the lead-in wire, past the lightning arrester and into the TV. Under overvoltage conditions, such as those created by a lightning strike near or upon the antenna, there is sufficient potential difference between the "signal" side and the grounded side of the arrester to permit an arc of current to bridge the gap between these two points. The arc permits the excess energy to be shunted harmlessly to earth via this "preferred" low impedance return path. The voltage required to create and sustain the arc depends upon several variables; the most critical are the physical distance between the two contacts and the geometry of the contacts themselves, as well as the relative humidity of the surrounding air. The greater the distance between the contacts, the higher the voltage required to permit formation of the arc. Herein lies the major limitation of these type of arrestors. The "arrester" may pass current levels on to the equipment which are below the minimum values required to activate the spark gap but still sufficiently large enough to damage the equipment. In addition, these devices have an inherently slow "response time". They simply can not react fast enough to protect modern solid state equipment which can fail catastrophically almost instantaneously. For these reasons they are inappropriate for most SWL receiver applications, but they are certainly better than nothing!

Gas discharge tubes behave similarly to spark gap devices. At sufficiently high voltages, the gas within the tube (such as neon) is ionized and changes state from a non-conductor to a conductor because of the voltage difference between the electrodes. They have no mechanical connection between the electrodes like a common tungsten filament incandescent lamp; the gas behaves like a filament once the ionization potential is reached. The gas will remain ionized (conductive) until the de-ionization potential is reached as the transient subsides. The potential difference required for operation again depends upon the physical separation of the electrodes as well as the type of gas within the envelope. These devices have the many of the same limitations as the carbon block and spark gap arrestors, but their "response time" is significantly lower. The Alpha Delta Transi-Trap available from many suppliers uses a gas filled cartridge which must be replaced after excessive discharge, but it has an extremely fast response time and it is perhaps one of the best devices available for the money. Remember, NO device can harmlessly divert or suppress the tremendous amounts of energy involved under direct strike conditions! Fortunately, direct strikes are relatively rare, but electrostatic charge accumulation (build-up) on an antenna system (generated as a thunderstorm traverses your vicinity) of sufficient magnitude to destroy a receiver front end is VERY common. The Transi-Trap and similar devices could certainly save your receiver in these situations. An important point to remember here is that *improper installation of these types of discharge devices may render them ineffective*. You must use as large as possible grounding wire. The inexpensive (and easy to install) 8 gauge aluminum TV antenna ground wire will suffice, but flat copper straps or pieces of sheet metal would be better because of their lower inductance and hence, lower reactance. The reactive component of the ground path impedance is more important than the resistance. The path that the ground wire takes to earth is also critical. It should be as short and direct as possible, ideally perpendicular to the longest dimension of the antenna. Every turn or kink in this wire will increase the effective impedance of the ground return path and permit a larger difference of potential to develop between the antenna system and the receiver input terminals.

Let's now examine the other path that permits destructive energy to enter our equipment: the AC power line. Those of you who use computers at home or work (or both) are probably quite cognizant of what power line "glitches" can do to a program during execution. Receiver power supplies are often damaged by surges or overvoltages. Some people believe that the electric company has safety circuits everywhere along the power transmission path that will protect appliances of any type. However, over-voltages, under-voltages (brownouts) and total loss of AC power (blackouts) are common. Under-voltages generally will not damage a receiver; your equipment will simply cease to operate until the power returns. The major problems occur when AC power is restored. The instantaneous voltages and currents which can occur in the first fractions of a second as power is restored can be *thousands* of times greater than the normal operating limits. The magnitude and duration of these surges depends upon the load, or the total number and types of the appliances connected to your branch of the power transmission circuit. The only "guaranteed" parameter is the power line frequency of 60 Hz (in the US). The frequency is controlled to about +/- .0005 Hz in most instances! Minor deviations in line frequency will not perceptibly affect receiver performance. An increase in line frequency will generally increase the power dissipation in the core of a power supply transformer due to increased "eddy current" flow in the core, but this would be negligible.

Lightning strikes near or upon the AC power transmission towers or cables even dozens of miles away from your wall outlet can directly or indirectly couple tremendous amounts of energy into your receiver's power supply. At sufficient magnitudes, devices which are not even turned on can be destroyed through arcing between switch contacts! Your next-door neighbor can send a destructive glitch your way as he turns off his appliances or power tools. Voltage "spikes" of thousands of volts are created by AC and DC motors when they are turned off because of the collapsing of the magnetic field surrounding the motor windings. The magnitude of such a spike depends upon the effective inductance of the windings as well as how quickly the load is switched

on and off. Even though there will be some attenuation of these glitches as they travel from their source to the "victim" due to the resistance of the power line, we should install some sort of external voltage surge protector to suppress these all-too-common line glitches.

The basic principle of operation of most of these plug-in surge protectors is the same. They contain some sort of voltage clamping or limiting device in parallel with the AC load line. They may also contain some type of current limiting device such as a fuse or circuit breaker in series with the load line. The voltage clamping devices, with trade names like "Transorbs" and "MOV's" are essentially "transparent", or out of the circuit, under normal voltage conditions. More accurately, these devices behave like a "high power bidirectional zener diode". Under overvoltage conditions, these devices will begin to conduct in an extremely short period of time and clamp the voltage on the power line at some maximum level. The additional energy passes through the transient absorber and is dissipated in the form of heat within the device itself. These devices come in many physical shapes and sizes; the greater the required power dissipation in joules, i.e., voltage x current x seconds, the physically larger the device. A "good" 3 conductor AC power line surge protection unit should contain at least 3 of these transorbs; one installed from hot to neutral, one from hot to ground, and one from neutral to safety ground. Many of the lower priced units contain only one transorb connected from hot to neutral. Destructive glitches can appear across all 3 of the combinations listed above. This is the Achilles' heel of many of these units. Most of the units offered for 115 VAC applications clamp the line voltage at 130 VAC and can safely dissipate instantaneous peak currents of about 500 to 5000 amps. These devices also have a limited life. The actual time duration of the surge is a critical factor. The typical device may effectively clamp a 1000 volt/1000 amp surge for 1 millisecond, but fail catastrophically if the pulse lasts for one second. A single surge beyond their power dissipation capacity can destroy them. Their performance will also be degraded by repeated dissipation of surges within their normal capacity. Their role is often sacrificial; they perform their function, i.e., save the equipment, but "die trying". Surge protectors are not the answer to everything, but like the lightning arrester, they are much better than nothing.

The physical location of our antenna determines the likelihood of lightning damage. An antenna supported between the two tallest trees on your property is more likely to couple destructive energy into your home than one that is supported between a eave mounted pole and a non-conductive wood or plastic mast anchored somewhere else in the yard. Face it, lightning *likes* trees. Thunderstorms are also much more common in the southeastern United States than anywhere else in the mainland. Consideration of your geographic location should govern the orientation and protection of your antenna system. Periodically inspect the condition of your antenna guy wires, insulators, lead-in cable as well as your grounding scheme. Oxidation and corrosion of your earthed connections could make your protection system ineffective, or worse, just plain dangerous! Although external grounds are not necessary for most antenna systems and receivers to function, they should never be ignored or carelessly installed because of this supreme consideration: the safety of the individuals using the equipment!

In summary, the safest procedure to follow in the event of an approaching storm is to turn off all your equipment and remove all power cords from the AC wall outlets. Disconnect your downlead and ground the antenna outside the house if possible. If your lead-in is fitted with SO-239 type plugs, a shorted mate (a connector with the signal and shield terminals connected together with heavy gauge solid copper wire and attached to a good earth connection) would be very easily installed and removed when the weather clears.

What's New on the Electronic Front

Paul Lannuier, our dedicated editor of "Utility Scene" and "Man From G.I.L.F.E.R." recently sent along a glossy brochure announcing the soon to be released JST-135 communications transceiver manufactured by Japan Radio Company. It is the twin brother and "talking companion" of the famous NRD-525. The similarity of the modular construction and the front panel ergonomics indicates that it shares a great deal of the technology with the NRD-525, with the exception of the transmitter circuitry, of course. It is continuous coverage, with an output power range of 10 to 150 watts PEP. The list price will be in the neighborhood of \$2000. This may prove to be the transceiver of choice for SWL/DXers who also like to "ham it up". I have to agree with Paul's succinct description: "It's like the NRD-525 on steroids!" Lookout Kenwood! Take cover, Yaesu! Roll over, Icom!

I also received a press release announcing the introduction of the model AR-2515 scanning shortwave receiver from ACE Communications, Indianapolis, IN. It continuously covers the range from 5 to 1500 Mhz. I have formally solicited (in writing) the company for a 60 day "loaner" in order to evaluate and report on the performance of this very interesting new radio. I was verbally promised a production model for an unbiased and uncompensated review, but I haven't heard anything from ACE lately. A technical review of the AR-2515 will be presented here if and when I receive the radio. The listed retail price is \$695.

Well, that does it for this month. Please drop me a quick (and cheap!) postcard and let me know how you like this column or what you want to see discussed in the future. Don't forget to make your nominations for the open positions on the SPEEDX Board of Directors. You have the right and the responsibility to address the everchanging needs of our organization. 73's and great DX!

C O N T I N O O S T U N I N G

*Editor: Bruce MacGibbon
2295 N. E. Juniper Ave.
Gresham, OR 97030 USA*

MAY 1989

Deadline is the 12th of the month

BELGIUM - BRT Int'l Pub EE Sked from 3/26-9/23; Europe: 09 Mon-Fri 9925; 11730 Daily 5910, 11695, 1512MW; 21 Daily 5910; Africa: 09 Mon-Fri 21810, 26050 or 17595; 1530 Mon-Sat 21810 & 17595 or 17650; NA: 1230 Mon-Sat 17560; 21 & 2330 Daily 9925; SAM: 2330 Daily 9925; Australia: 07 Mon-Fri 11695; Asia: 07 & 1230 Mon-Fri 21815. (David Jones, TN & Kraig Krist, VA)

CHINA - May Highlights of Radio Beijing; China Anthology: Ma Yinchu, a Chinese economist had foreseen the population crisis in China long ago. He suggested family-planning in the early 60s. Had his theory been adopted in good time, China wouldn't have to face such a serious population problem as today. On May 14th, our weekly programme "China Anthology" features this far-sighted but ill-treated economist in memory of the 7th anniversary of his death. Listeners' Letterbox: Chinese herbal medicine has been a subject of interest to people all over the world for its miraculous healing effect. But you will learn more of its modern uses in the "Listeners' Letterbox" programme on May 7th. Any visitor to China is impressed by the number of highrises which have gone up in the past few years and are still going up. But what is the tallest structure in China today? "Listeners' Letterbox" on May 28th will tell you. Music Album: Will focus on the trends of Chinese popular music in the past six months. Our first edition in the series on May 7th will feature a concert of Chinese rock'n'roll music. Other Sundays in May, you can hear other Chinese musical hits and selections of the best selling cassettes in China. Ju Jingwei, a talented young folk song singer, has been taking the lead at several singing competitions held in recent years. In "Music from China" on May 6th, we will entertain you with her beautiful folk songs. (via Chen Lifang, EE Section Radio Beijing)

COSTA RICA - Glenn Hauser's "World of Radio" Sked via Radio For Peace Int'l as announced on GH's World of Radio #484: Tue & Thu 17; Tue 23; Wed 03; Fri 21; Sat 01; Sat & Sun 18 & 21. Freqs are 21565, 13665. (via William Flynn WDX6AF, CA)

CZECHOSLOVAKIA - After preliminary tests, regular sound broadcasts in Czechoslovakia began on May 18th, 1923. The beginnings were very modest indeed: a 1 KW telegraphy transmitter which has adapted for this job was first used. There was no studio and broadcasts were made from a tent located right at the transmitter in the Kbely district of Prague. However, as soon as in 1925 a new TX was set up in Prague with a power of 5 KW. With this equipment Prague ranked among the most powerful in the European scene of medium wave broadcasting of this period.

Short wave broadcasting, however, began later.

In 1934 the communication authorities of pre-war Czechoslovakia decided to buy one short wave broadcast transmitter abroad. The TX was a 30KW affair and was able to tune in the band from 100 to 13 metres. It was agreed that it would be located at Podebrady communication centre which was until then used for telegraphy only. Necessary antennas and the building for housing the TX were built in 1935 and then after a year of experimental work, regular short wave broadcasts were inaugurated in 1936. The transmitter was plate modulated - for tubes of the final stage were connected into push-pull. Antennas used were mostly omni-directional verticals and one directional system was used only for the North American area.

Transmitted programmes were mostly in Czech and Slovak for countrymen abroad but English and Spanish were also introduced.

To turn to the present a lot has changed at the original centre located about 30 miles east of Prague near the spa town of Podebrady: new transmitters were built and antenna system erected. Beside this, a new centre was built for short wave broadcasting purposes: this time in Slovakia near Velke Kostolany, a town about 35 miles north-east of

Bratislava - the capital of Slovakia. As you probably know, programmes of Radio Prague are radiated on several transmitters used at the same time. All short wave transmitters are made in Czechoslovakia by the Tesla firm at Prague-Hloubetin. Their output power delivered to the antenna feeding line is 100.000 watts or 100 kilowatts.

Transmitting tube cathodes are heated by the direct current. The heat dissipated by the tubes is disposed of by water circulation. High frequency energy of the carrier is amplitude modulated. Modulation level is maintained at 100%. Low frequency characteristics of the transmitting equipment is practically straight in the spectrum from 30 to 10.000 c/s per second with a maximum deviation of 2 decibels. Oscillator stages of the transmitters are mostly crystal controlled.

In contrast to television, FM or medium wave broadcasting where - as a rule - the transmitter uses only one antenna, shortwave transmitters which cater for different areas one after the other switch over accordingly to a number of antennas. The appropriate antennas are also selected to meet the needs of propagation conditions which vary with the time of the day, season and stage of the solar cycle. Naturally with these prerequisites the number of antennas needed also increases.

They are located at the transmitting sites on so-called antenna fields. Omni directional aerials are used by Radio Prague only for most closeby areas, where at greater distances and especially intercontinental ones are served by directional systems of the rhombic type.

For the European area some of the foreign language broadcasts are radiated over the medium wave transmitter operating on 1.286 kc/s. This transmitter is air cooled, cathodes of the transmitting tubes are heated by alternating current.

To complete this information on professional sound broadcasting in Czechoslovakia, for listeners a home 22 transmitters operate on the medium wave band, in accordance with the propagation of medium waves, some frequencies are also received outside the republic during hours of darkness. Bratislava on 1.097 kc/s, Prague on 638 kc/s, and the network of transmitters operating on 1.520 kc/s, according to listeners' reports, are being heard satisfactorily in Western Europe. Besides this, FM broadcasting is radiated on the VHF band by some 33 transmitters. (via info from R. Prague via John Carson, OK)

INDIA - Ref Feb & March 89 "CT's": Robert Kunkel in California informs me that the station Bob Bodell heard on 4850 is AIR Kohima s/on at 0030 with AIR IS and fades @0050. The exception was during January when it faded later. The real mystery is why it was in parallel with Bombay unless it was a special broadcast. As you know they are not even in the same neighborhood. Kohima, Dhaka, Calcutta and SLBC are in the same time for acquisition to fade + or - 10 mins. Tashkent, Bombay, Dushanbe & Afghanistan are similiary in the same approximate Acq/fade time frames. There were several atmospheric induced exceptions for ground stations during January. I have heard Kohima from the Seychelles, Sri Lanka, Bombay & Guam also, though not in the last two years. (I haven't been there since then). The format is basically the same as I heard from there.

JAPAN - On Nihon Shortwave Broadcasting, Radio Tanpa on 3/26 (Sunday) @1630 was the last broadcast of Bunken & Agnes Chan's "Asian Express" program which ran for 5 years. Agnes, in Japanese, acknowledged receipt of an Easter Card that I sent to her. "Asian Express" has been replaced @1630 Sunday Mornings by "Sunday Roundup" in English. Started 4/2 with this: W "Sunday Roundup" then M "Good Morning the time is now 1:30 here in Tokyo. This is 'Sunday Roundup' news and features about Japan. I'm you host Kelley (Sp?) Ito." I have written to NSB about correct spelling of hosts name. (bmm)

NETHERLANDS - The EE broadcast @0330 the freq should be 9590 not 9715(bmm)

SWEDEN - Radio Sweden Pub EE Sked from 3/26-9/23: Europe, Africa, ME: 1700 9615, 6065; 21 9655, 11705; Asia, Australia: 1230 & 14 21610, 17705; 1530 17705; 01 17790, 15390; NA: 1530 21610, 17880; 03 11705, 9695. (via Ed Kusalik, Coledale, Alberta)

SWITZERLAND - Red Cross Broadcasting Service to August 1989: Australasia: 0740-0757 EE 9560, 13685, 17670, 21695; Far East: 1040-1057 EE 13635, 15570, 17830, 21550; 1310-1327 EE 9620 (via Beijing); South & SE Asia: 1310-1327 EE 11695 (via Beijing), 13635, 15570, 117830, 21695; Near East & East Afr: 1510-1527 AA 13685, 15430, 17830, 21630; Africa: 1710-1727 FF/EE

9885, 11955, 15430, 15525, 17830; SAM: 2210-2227 PP 5965, 9810, 9885, 12035 (via Moyabi, Gabon) Note: The above are broadcast on Mon/Thu 5/29, 6/1, 6/26, 6/29, 7/31, 8/3, 8/28, 8/31. NA & Central Am: 0110-0127 SS 6095, 6135, 9725, 9885, 12035, 17730 (via Brazil); 0310-0327 EE 6135, 9725, 9885, 12035. Note: The above are broadcast on Tues/Fri 5/5, 5/30, 6/2, 6/27, 6/30, 8/1, 8/4, 8/29, 9/1. Europe: Sunday 5/28, 6/25, 7/30, 8/27: 11-1130 EE, 1130-12 FF, 12-1220 GG, 1220-1240 SS on 7210 & on Monday 5/29, 6/26, 7/31, 8/28 17-1730 EE, 1730-18 FF, 18-1820 GG, 1820-1840 SS on 7210. (via Yukimasa Matsushita, Japan)

TAIWAN - Voice of Asia, Kaoshiung Pub Sked to 5/6: Mandarin 04-08 7285, 1050-11 5980, 13-1445 & 1450-15 5980, 7445; EE: 11-12 5980, 7445; Indo: 12-13 & 15-16 5980, 7445; Thai 16-17 5980, 7445 (Direct)

UNITED KINGDOM - Here is the schedule of BBC World Service transmissions in EE via overseas relay transmitters effective 3/26: 3255 LSO 03-0430, 1615-2030; 3915 SNG 15-1745, 22-2315; 5965 OMA 0000-0030; 5975 ATG 0430-0730, OMA 16-1830, ATG 20-0430; 5995 HKG 13-1445, 15-1615; 6005 ASC 0000-0435, 05-07, 1615-1745, 1830-23; 6175 CAN 22-0430; 6180 CYP 03-1445, 17-2215; 6190 LSO 03-2030; 6195 SNG 09-1615, ATG 11-1345, SNG 21-0030; 7145 ASC 04-0430; 7160 OMA 1645-1830, 19-2030; 7180 HKG 1145-12, 13-1445, 15-1615, 20-2115; 9510 ATG 0430-0545; 9515 LSO 10430-0435, 05-1615, CAN 11-1345, 16-1745; 9540 ASC 04-0430; 9570 SNG 20-0030; 9580 OMA 0000-0230; 9590 USA 0030-0230, CAN 22-0030; 9590 SEY 1615-1745; 9600 ASC 04-0435, 05-0815, SEY 2115-23; 9610 ASC 06-0630; 9630 SEY 1830-2030; 9640 ATG 0545-0815; 9660 USA 0230-0330, CYP 08-15; 9670 CYP 02-05; 9740 SNG 09-1830; 1715 HKG 20-2115; 1750 SEY 03-0330, SNG 09-1615, 18-22; 1760 OMA 03-0815, 09-1330; 1775 ATG 11-1345; 1820 ASC 20-2030; 1840 CYP 17-1745; 1845 CYP 03-04, B 09-11; 1860 ASC 07-0915, SEY 15-1530; 11945 HKG 2245-0030; 11955 OMA 0030-0330, SNG 06-0915, 22-0030; 15105 ASC 0730-08, 13-1345; 15140 CYP 1030-15, SNG 19-2315; 15245 CYP 04-1030; 15260 CAN 16-1745, ASC 20-0330; 15310 CYP 0000-0030, OMA 0330-0815, 09-1615, SNG 1615-1830; 15360 SNG 0000-0030, 06-1130; 15400 ASC 07-1130, 15-23; 15420 SEY 03-0435, 05-0630, 09-14, 15-1530, CYP 1615-1830; 17740 CYP 05-0730, 15-1530; 17755 CYP 20-23; 17760 ATG 20-2115; 17790 ATG 09-1515; 17795 OMA 0545-0815; 17815 HJG 01-0945; 17830 SNG 09-1030; 17875 SNG 0145-0330, HKG 2245-0030; 17880 ASC 16-2115; 17885 SEY 04-0430, 05-0630, CYP 0630-09, SEY 09-14, ASC 14-16; 21470 CYP 05-1615, ASC 1615-1745; 21660 ASC 15-1530. (via March 89 WRTH Downlink)

UNITED STATES - World Wide Christian Radio Update as per conversation: Joe Brafier, Program Manager tells me they will be on the air 5/29. The General Manager George McClintok says look for them in May on 15690 & 7520 and on 4/14 received informational packet from General Manager George McClintok. "Here's The Latest!" dated 4-1-89: To: All interested parties. From: George McClintok. New WWCRC Transmitter. I have just returned from checking out and inspecting our new shortwave transmitter at the factory in Quincy, IL. The factory will finish a few more check-out tests and ship it this month. Those of you who get an opportunity to actually operate the transmitter will enjoy the easy of operation and appreciate it as being the finest and most modern transmitter in the World. I have already installed the new audio processor. We are the first station to get this latest generation of processors-one especially designed for Shortwave transmitters. We are still on schedule for programming on May 29, 1989. WWCRC The Purpose: To communicate the Bible in the national languages of the most unreached and illiterate peoples. To broadcast the Bible daily to lands closed to the missionary! Why Radio: Because radio overcomes obstacles! Nearly half of the world is unable to read a printed page. Cultural differences, hostile governments, and rugged terrain cannot stop the beaming of God's word as it breaks through every barrier. One of the programs is "Telephone Time" Live Mon-Fri 9:05-10AM Central Daylight. "Telephone Time" is the daily one-hour broadcast from The Bible Speaks headquarters. "Telephone Time" is co-hosted by Dr. Carl Stevens and Dr. Shuan Redgate. Dr. Stevens is founder of the Bible Speaks World Outreach Ministry. He and co-host, Dr. Redgate, are not only outstanding speakers, but also noted authors and Bible teachers. "Telephone Time" is on-the-air each weekday to answer listener questions about the Bible, address counseling needs, and take prayer requests from listeners all over the country. WWCRC also presents (according to their advertising): The Spoken Word of God in SS, FF, GG, AA, Hebrew. The Process: Recordings of the Bible are produced as nationals narrate the text using the idioms and accents familiar to their respective languages. These recordings of the bible are broadcast throughout the world where they are heard daily by

Millions. Reason No. 5 To Use WWCRC: WWCRC is a SOUND business. And to serve our clients with the BEST SOUND possible, we've added a new audio processing unit! WWCRC provides our clients with a competitive edge by putting the best possible audio on the air...AND increasing coverage of WWCRC to the maximum. It's the second best thing to a power increase. The audio processing unit automatically corrects for errors in audio source program levels, tonal balance, and enhances transient qualities and "punch" while maintaining perfect level control. Audio processing also greatly reduces the aggravated problems of sibilance and essing. It also does many other wonderful things. For more information...CALL US!! Reason No. 1: We want YOU! (The unit is OPTIMOD-HF Audio Processor, ORBON or ORBAN (hard to read letters are run together) Model 9105A) (via George McClintok, General Manager WWCRC)

U.S.S.R. - Via the Tampa Trib 3-14-89. Radio jammed; protesters arrested. Moscow - Authorities detained at least 240 demonstrators in Leningrad and Moscow who likened communism to czarist tyranny, and officials jammed U.S.- financed Radio Liberty on Monday as it reported on the protests, activists said. (via Lois Lang, FL) Radio Moscow has started the World Service in Russian. It was first noted in early February this year, but the idea of creating it was expressed by one of the leaders of Gosteleradio already in 1987. It is designed for all those who speak and understand Russian - estimated over 500 million people the world over. Texts are read in plain Russian and high audio quality makes one think of the digital sound (it may well be that the signal is fed to the transmitters through the satellite sound distributing system "RADIKAL-3RV" system). The unique musical signature of the service is the Russian folk song "There Stood a Birch-Tree in the Field". One hour transmissions appear on the air at 11, 18, 21, 03, 04 in all shortwave bands. Anyway, SW relays of home services and special programs for seamen and Soviet specialists abroad - the "Fifth Program" - still remain. March 26, 1989 is the date when the Soviet Union switches to summer time. This will bring changes in the schedules of home broadcasting and will also affect some external services. Several territories, however, won't add one hour as the Kirov, Uljanovsk, Kuibyshev, Astrakhan and Uralsk regions are switching to Moscow Time (UTC+3h, or +4h in summer), and all 3 Baltic republics and the Kaliningrad region are adopting East European Time (UTC+2h, or +3hr in summer). A new club of Soviet DXers - the Lithuanian DX Club "Banga" - was founded on 26.11.1988. Later on it was officialy(!) registered at the Foreign Service of Radio Vilnius. The all-known DXer Sigitas Ziljonis was elected the club's chairman. In addition to the 5 founding members, the club received letters from over 30 DXers after the info on its opening was published in Lithuanian press. "Banga" (the wave in Lithuanian) prepares English DX programmes for R. Vilnius, puts out a DX-bulletin and the lists "Broadcasts in Esperanto" and "Radio Broadcasts via Satellite". The address is: Lietuvois DX Klubas "Banga", Lietuvs Radijas, Laidu uzsieniu redakcija, 232674 Vilnius USSR. (via Soviet DX Club Newsletter No. 1 dated 3/89 edited by Igor Sannikov, ul. Oparina 6, kv. 37, Novovitsk, 613015 USSR) Note: SDXC Newsletter is supposed to be released irregularly - as soon as enough news about broadcasting and DX-movement in this country is collected. The price is 2 IRCs (3 IRCs air mail). DX Clubs can receive it in exchange for their bulletins.

VATICAN STATE - Radio Vatican EE Service Programs t/Jun 89: E. Africa: 05-0515 15190, 17730; 1115-1130 17840; 1545-16 11810, 15120, 17730; Central & SAfr: (except Sundays) 0615-0630 15190, 17730; 0715-0730 (except Sundays); 12-1215 17840, 21485; 2045-21 9625, 11700, 15120; WAfr: 0715-0730 15190, 17730; 12-1215 17840; 2045-21 11700, 11760, 15120; NA: 0050-0110 6150, 9605, 11780; 0310-0330 6150; Indian Subcontinent & SE Asia: 0200-0215 6025, 7125, 9650; 15-1510 11955, 15090, 17870; Australia, New Zealand, the Philippines: 12-1220 (Weekdays) 15190, 17865; 2205-2225 6015, 9615, 11830; Europe: 05-0520 526, 1530, 6185, 9645; 1345-14 526, 1530, 6248, 7250, 9645, 11740; 1950-2010 526, 1530, 6190, 7250, 9645; Four Voices: 0630-0645 & 1044-1051 (Weekdays) 526, 6248, 9645, 11740; 1514-1521 (Weekdays) 526, 1530, 6248, 7250, 11740. (via Yukimasa Matsushita, Japan) In addition to this, Bob Padula, Surrey Hills, Victoria, Australia called me on 4/2 with this info on Vatican Radio: (New) Asian Service: 2130-2330 on 15105NF in EE, CC, JJ, VV//11830, 9615. Also 21505NF @12 in EE//17865.

Last but not least Radio Finland @0230 is on 15185NF ex 9635//11755. & from 2/28 Tonga has been using a 1 kW transmitter on 5030 from 1730-10 relaying 1017MW. (via 3/89 DXers Calling, DX Australia) 73's Bruce

The Western Hemisphere loggings by the 12th of
the month to:

Thomas F. Sable
University of Scranton
Scranton, PA 18510

Spring has finally sprung. The baseball season opened and sorry to say the Scranton Red Barons are 2 and 8. Fishing season opened with lots of people braving the rain. DX still continues to pour in on all frequencies. You just have to figure out which range of frequencies is open on any given night. When the lower frequencies are dull, as they say in the Bible, friend, move up higher. Now to the catches:

ALASKA*KNLS*****

6065 0800 World of Country Music (333 3/21 Brown-HI)
6125 0700 RR; "Learn English" (433 3/19 Carson-OK)

ANTIGUA*Deutsche Welle relay*****

6120 0500 DW Nx, commentary, new telephones (545 3/10 Miller-CA)
6160 0905 DW Possible food shortage in Vietnam, S. African scandal
(333 3/11 Brown-HI)
9690 0700 DW IS, IS, nx (353 3/14 Matsushita-JP)

BRAZIL

3375^v 0035 R. Nacional Sao Gabriel mx with OM talk (222 3/30 Bishop-NY)
4825 0825 R. Canção Nova OM dj and roosters, ballads, taped ID, mentions of Cachoeira Paulista (333 3/14 Howell-CA)
4895 0820 R. Baré almost African mx, taped ID, mentions Manaus, yelling and roosters (333 4/3 Howell-CA)
4905 2330 R. Relogio Federal Prayer, sermon, church service (433 3/12 Bishop-NY)
4905 0855 R. Araguaia ID with MW freq; into sermon (434 3/14 Howell-CA)
4935 2340 R. Difusora LA pop mx with OM & YL (322 3/12 Bishop-NY)
4935 0803 R. Capixaba religious talk, canned ID# 0808, Bras. mx (343 3/14 Howell-CA)
6060 0205 R. Universo several IDs, mentions Curitiba, soccer game with goooooo! (343 3/14 Howell-CA)
6180 0858 R. Nacional do Amazonia celeste mx, prayer, speech by dignitary (333 4/4 Westenhaver-QU)
11745 0230 R. Bras EE; Braz. mx, culture and work (555 3/19 Miller-CA) (433 3/13 Bishop-NY)
11925 2109 R. Bandeirantes American rock mx (555 3/24 Berhent-OH)

CANADA*Radio Japan relay***Northern Quebec Service*****

5960 0325 RJ "Japan Music Scene" (444 3/11 Gears-IL)
6005 1232 CFCX Sports scores, lottery numbers (343 3/25 Cichorek-NJ) Soviet elections, Car ads (555 3/27 Trescher-PA)
6070 2346 CFRX Talk show on car problems (323 3/12 Carson-OK)
6160 2250 CKZN "As It Happens" (222 3/14 Thornton-NJ)
9755 2300 RCI Nx, Larry Magne, use of swling for geography instruction (555 3/25 Card-RI)
15260 1934 RCI FF; African nx summary (555 3/28 Trescher-PA)
15260 1700 BBC Nx, commentary on Tibetan uprising (333 3/8 Blight-MD)
17820 1706 NQS Canadian Press Review (333 3/15 Carson-OK)

CHILE*Radio Nacional*****

15140 1150 RN OM IDs, OM gives report (444 3/14 Matsushita-JP)

COLOMBIA*CARACOL*****

4755 0047 CC Bogota Radio play with 2 OMs (433 3/30 Bishop-NY)
4865 0420 V. Cinaruco LA mx by group (433 3/11 Miller-CA)
4895 0215 V. Rio Arauca "Hoy y Manana" (343 4/6 Flynn-CA)
6116 1100 V. Lilana Mx, ads (434 3/15 Card-RI)
6150 0957 R. Armonia ID with CARACOL promos, ads (333 3/22 Howell-CA)

COSTA RICA

5030 0019 R. Impacto YL sings (433 3/13 Bishop-NY) (3/18 Cichorek-NJ)
6006 0710 R. Reloj Mx, news bits, IDs and TCs (323 3/20 Howell-CA)
21565^{nt} 0138 R. for Peace International "Scan," ad for T-shirt (444

Costa Rica (cont.)

4/7 Westenhaver-QU) "World of Radio" (333 3/28 Flynn-CA)
25945nf 1815 R. for Peace International Glenn Hauser, S. African Review (353
3/26 Kunkel-CA) +1

CLANDESTINE

9965 0250 R. Caiman SS; LA mx (444 3/8 Fischer-WI)

CUBA***Radio Moscow world service relay***Radio Habana Cuba***Radio
Rebelde***

4765 0051 RM OM talks, ID (433 3/30 Bishop-NY)
5025 0355 RR Ads, mentions Africa and N. America (535 3/21 Miller-CA)
5965 0410 RHC EE; World and Cuban nx, U.S. trade embargo (544 3/21
Miller-CA)
9600 1043 RM EE;"New Market" Business News [Boy, talk about
Glasnost!' TFS] (444 4/4 Westenhaver-QU) "Culture and the Arts" plans
to celebrate Boris Pasternak's 100th anniversary (444 3/26 Fraser-MA)
9605 0319 RM EE; Japanese TV journalist buys seat on Soviet space
flight (444 4/5 Westenhaver-QU)
11760 0411 RHC "Spotlight on Latin America" praises Cuba's human
rights record (343 3/11 Westenhaver-QU)
11820nf 0015 RHC EE; Training housewives for the skilled job mart
(555 3/9 Westenhaver-QU) teaching youngsters to swim (555 3/18
Fraser-MA) (444 3/29 Langlois-FL)
11840 1530 RM EE; Soviet Jazz, ID, nx (343 3/22 Cichorek-NJ)
11950 2030 RHC EE; ID, IS, nx, Soviet Elections, Castro (555 3/27
Trescher-PA) (Blight-MD)
15155 1023 RHC reports on Bolivia and Guatemala
(353 4/4 Westenhaver-QU) (Fraser-MA)

ECUADOR

4870 1100 R. Rio Amazonas Quecha; NA, Indian chants, ID, talk (323 3/27
Howell-CA)
5050 1030 R. Jesus del Gran Poder Easter service with Gregorian chant (333
3/26 Howell-CA)
9610 0805 HCJB EE "Back to God Hour" (533 3/26 Kline-CA)
9765 1035 HCJB into NA then "Desarollo Rural" //6050 (333 3/31
Westenhaver-QU)
11775 0600 HCJB DX Partyline: Europirates (323 3/9 Carson-OK)+1
11925 0735 HCJB "Happiness Is," Listeners' Letters (333 3/12
Brown-HI)
15155 0216 HCJB Quito School of Missions (544 3/13 Bishop-NY) (555 3/9
Berhent-OH) "DX Partyline" (454 3/12 Gears-IL) (Blight-MD)
15230 0045 HCJB Family Life series (444 3/15 Kunkel-CA)

FRENCH GUIANA***Radio France Overseas***

5055 0642 RFO IDs by YL (344 3/9 Kunkel-CA)
9800 0527 RFO SS; U.S. pop mx (555 3/26 Trescher-PA)

GALAPAGOS ISLANDS

4810 0122 V. Galapagos ID; played one song, then long talk by OM (333 3/8
Howell-CA)

GUATEMALA

3300 0354 R. Cultural "Through the Bible" (333 3/24 Bishop-NY)
3325 0220 R. Maya de Barillas Guitars, mx by OM chorus (242 3/25 Flynn-CA)
3360 1050 V. Nahualá Quiché; Marimba mx, mentions Nahualá, into SS at 1100
(222 3/28 Howell-CA)
3370 0019 R. Tezulutlan OM talks (222 3/30 Bishop-NY)
4845 0200 R. Kec'chi marimba mx, OM IDs: "Esta es Radio Kay-ek-chi!" (242
3/6 Flynn-CA)

HONDURAS

3250 0227 R. Luz y Vida Religious talk by OM (242 3/25 Flynn-CA)
4820 0350 V. Evangelica Religious program (343 3/11 Miller-CA)+1
4910 0100 V. Mosquitia VV; religious program (333 3/17 Thornton-NJ) sermon,
primitive mx (323 3/14 Howell-CA)

MEXICO

- 6020 0115 XEUW ad, OM mentions Vera Cruz, chimes (353 3/14 Flynn-CA) jingle after every song (343 3/15 Howell-CA)
9555 1224 La Hora Exacta OM talks, tones, mx, ads (222 3/18 Cichorek-NJ) (222 3/14 Howell-CA)
9680 0958 XEQQ Latin vocals, lively OM DJ (222 3/9 Cichorek-NJ)

NETHERLANDS ANTILLES***R. Netherlands relay***Trans World Radio***

- 6165 0535 RN EE; Swiss guidelines for chemical technology transfers (333 3/15 Brown-HI)
9535 0420 TWR EE; Character Spotlight (434 3/12 Carson-OK)
9590 0228 RN EE; IS, ID, TCS, World nx (544 4/3 Kerrigan-IL) 9630 0730 RN EE; ECC ministers to Iran (333 3/12 Brown-HI)
9675^{nt} 1055 RN EE; "Images" contemporary Polish mx to Holland (343 4/4 Westenhaver-QU)
9715 0605 RN EE; Quiz for T-shirts: Land from the sea (444 3/12 Brown-HI)
15315 0030 RN EE; "Happy Station" Tom's Swiss vacation (555 3/27 Kline-CA) Rembrandt Express (555 4/15 Sable-PA)

NICARAGUA

- 6100 0553 V. Nicaragua EE; News of Central America (433 3/14 Carson-OK)

PARAGUAY

- 9735 0845 R. Nacional de Paraguay New political parties, harp mx (243 4/4 Westenhaver-QU) (444 3/20 Miller-CA)

PERU

- 3340 1109 R. Altura ID with QTH, freqs, flute mx (323 3/16 Howell-CA)
4460 0018 R. Voz Andina Campesino mx (222 3/26 Thornton-NJ)
4775 1018 R. Tacna TCS, IDs, LA disco mx, Happy Birthday in EE (333 3/27 Howell-CA)
4810 0330 R. San Martin Cocks, nx, mx (333 3/17 Kunkel-CA)

PIRATES***She's Out of Control***

- 6275 0350 V. ~~Communism~~ Jetsons are a typical American family (333 3/5 Fisher-MA)
7415 2205 R. U.S.A. obscure remakes of pop mx, broadcast in "triple sideband," T-shirt contest (232 4/1 Westenhaver-QU)

UNITED STATES***Voice of Free China relay***Voice of America***Radio Marti***

- 5985 0712 VOFC Taiwan economic responsibility (333 3/14 Brown-HI) "Let's Learn CC" (555 3/27 Trescher-PA) Jasmine tea (444 3/17 Levison-PA)
6075 1000 RM SS; ID "24 horas en su compan'ia" Gorbachov in Cuba (343 4/4 Westenhaver-QU)
6080 0645 VOA "Sunday Morning (444 3/12 Brown-HI)
6175 0635 KUSW Rock mx (444 3/12 Brown-HI)
7315 0112 WSHB Loud test tone, ID in Cypress Creek, SC (555 3/17 Westenhaver-QU) (322 Cichorek-NJ)
7355 0921 WHRI NN/EE; address in Oslo, YL DJ, IDs into Kenneth Copeland (444 4/4 Westenhaver-QU)
9465 0655 WMLK Elder Meyer talks (444 3/14 Carson-OK)
9495 1049 WSHB Mx, world nx [Yes, it is a feed. TFS] (343 3/31 Kerrigan-IL) (Sable-PA)
9550 0655 VOA Boeing-Lockheed employee swap (433 3/11 Brown-HI)
9575 0520 VOA Soviet agricultural reforms (333 3/15 Brown-HI)
9625 0939 WYFR PP; Religious talk by OM, song (444 4/4 Westenhaver-QU)
9680 0233 VOFC "Starlight," CC lesson (545 3/12 Carson-OK)
9840 0330 VOA SS; Nicaragua, ID (534 3/27 Trescher-PA)
9850 0012 WCSN Spiritual Healing (545 3/18 Berhent-OH)
9870 0506 WCSN Mailbag (555 3/26 Trescher-PA) FF; Herald program (545 3/11 Carson-OK)
11695 0130 KUSW Folk mx with OM (444 3/29 Langlois-FL)
11830 1930 WYFR Contemporary religious mx (544 3/27 Trescher-PA)
13760 1453 WCSN Mx from Graceland album (343 3/24 Kerrigan-IL)
13775^{nt} 1351 VOA SS; founding of Pennsylvania (444 4/5 Westenhaver-QU)
15125 0103 VOFC CC; mx (444 3/7 Levison-PA)

United States (cont.)

15140^t 1712 KJES religious talk by OM, nx, commentary (222 3/14 Miller-CA)
15145 0143 WINB Christian mx (433 3/14 Bishop-NY)
15160 0007 V. O.A.S. SS; "La Musica Country" (544 3/12 Kline-CA)
15225 1950 WSHB Test, gave Program previews (353 3/20 Flynn-CA)
15410 2130 VOA World nx and sports (444 3/9 Langlois-FL)
15420 2033 WRNO MFJ ads, rock mx (333 3/16 Miller-CA)
15650 2130 KUSW Rock mx, freq. change to 15580 at 2200 (555 3/3
Laag-CA)
17775 2100 KVOH SS; nx of Venezuela (555 3/3 Laag-CA) EE; UPI nx, address
for QSLs (444 3/9 Kerrigan-IL)
17845^{nt} 2233 VOPC "Mailbag Time" talk on ROC-Canada trade growth
(433 3/26 Westenhaver-QU)
21640 1904 WCSN Oil prices jump, Kaleidoscope (333 3/15 Brown-HI) Union
Carbide/ India settlement "New Focus," nx (434 3/15 Carson-OK)

VENEZUELA

3275 0450 R. Mara LA mx, Maracaibo address, OM IDs (333 3/16 George-MA)
(342 Flynn-CA)
4970 0238 R. Rumbos EZL mx, piano with YL singing ballads, ads, IDs (222
3/18 Cichorek-NJ)
4980 2357 Ecos de los Torbes OM sings, ads (322 3/12 Bishop-NY)
6010 0951 R. Los Andes Guitars and vocals, ID by OM (222 3/7 Cichorek-NJ)

That's quite a roundup for this month. Finally logged WSHB, but I missed the test tones. They were already into regular transmissions. Seems to be a pretty good signal up here in NE PA.

Just a few suggestions to help me out with the loggings and the editing. Try to use the standard large-sized SPEEDX forms. If you can't use those, then use some kind of consistent logging system that puts the information on the same part of the page every time. Cut the loggings and if possible arrange them in alphabetical-by-country order. It sure saves me a lot of time and trouble.

I do not usually include in this column loggings after the ninth of the previous month. Some exceptions are made for unusual stuff, but these are rare cases. I do not accept utility, feeder (usually sideband transmissions), medium wave transmissions.

The Western Hemisphere BBS is still in action for those of you with computers and modems. More features to come in the future. ATDT (717) 961-7687.

As always send your loggings directly to me by the 12th of the month and to our beloved Central Distribution Editor by the fifth of the month. He is:

David B. Jones WDX4DBJ
2120-C Mockingbird Lane
Springfield, TN 37172

Good DX and 73 for now,
D.B.J.

OAX 9C - ONDA MEDIA
1340 KHZ
OAX 9D - ONDA CORTA
9710 KHZ
OAX 9E - ONDA CORTA
4935 KHZ



Jr. Bolognesi No. 157
Dirección Cablegráfica "Tropical"
Casilla 31 — Telef. 2083
Tarapoto - Perú

LA ONDA QUE HACE VENDER

EUROPE

Daniel Sampson
 P. O. Box 31
 Independence, WI 54747-0031



Deadline: 12th
 Times/Dates: UTC
 Frequencies: kHz

BOARDING PASS
 Rev
 Seat Window Center Aisle
 Flight
 Destination: _____

EUROPE

First I must start off with a correction. In the March issue of this column I stated that the Radio Berlin International broadcast at 2200 UTC to North America was not listed in the World Radio Television Handbook. I misread the listing in the WRTH for it most certainly is listed. I most sincerely apologize to Andy Sennitt and the fine staff of the World Radio Television Handbook.

ALBANIA Radio Tirana
 5057 2240 Gjirokastër Albanian; OM w/ t/k on cl mx (321 3/12 Bishop-NY)
 9500 *0000 RT EE; trumpet IS, nx, weak signal (pr 3/7 Howell-CA) 2030 SS; IS, ID
 "Aqui Tirana," nx about Hoxha & Comrade Ramiz Alia (333 3/4 Fisher-MA)
 11825 0335 RT EE; nx, ethnic Albanian uprising in Yugo. (422 3/10 Blight-MD)
 11870 0058 RT SS; IS, anthem, // 9760 & 7300, ID "Aqui Tirana" (353 2/27 Kunkel-CA)

AUSTRIA Radio Austria International
 6015 0350 RAI SS; contry to 0355, 'Blue Danube' & multi-lingual ID (fr 3/22 Howell)
 9870 0305 RAI GG; CAN nx, politique, Sandinistas, German nx (555 3/27 Trescher-PA)
 11780 2208 RAI GG/EE; t/k, nx, speaking in GG tll 2230, ID in EE w/ Blue Danube
 Waltz, Dallas TV crew in Vienna (544 3/17 Berhent-OH)
 13730 0037 RAI EE; t/k about new Austrian Airlines svce to N.Y. (444 3/19
 Westenhaver-QU) 0031 EE; nx, election results, archeology comments,
 trumpet solo (444 3/18 Levison-PA)
 17870nf 1247 RAI EE; items about history of Austrian-Chinese relations & declining
 birthrate in Austria, 1256*, QRM de Moscow in CC (333 3/8 Westenhaver-QU)

BELGIUM Belgische Radio en Television
 5910 *2200 BRT EE; ID, time pips, Brussels Calling (322 3/12 Bishop-NY)
 9925 0030 BRT EE; Brussels Calling, story on Mozart (444 3/6 Gears-IL) 0035 EE; t/k
 on Artwerp Art Museum, song 'We Gotta Stop & Think Things Over,' touring
 on a budget (544 3/18 Berhent-OH)
 21810 1630 BRT EE; P.O. Box 26, Radio World, nx, rock mx (544 3/17 Card-RI)
 21815 1331 BRT EE; nx, comments on Berko Co., press review, contry on under age
 marriages (444 3/1 Levison-PA)
 26050 *1200 BRT Dutch?; marginal reception of BRT IS until 1200 OM w/ t/k, ex-21810?
 (pr-unusable 3/25 Famularo-Japan)

BULGARIA Radio Sofia
 7115 0400 RS EE; nx b/c w/ bad grammar (444 3/3 Gears-IL)
 7150 0432 RS EE; answering your letters, some fading (434 3/1 Bevens-MA)
 9700 0235 R. Moscow relay EE; t/k on Bulgaria & WWII (333 3/8 Miller-CA)
 11735 0400 RS EE; freqs, t/k on Bulgaria, QRM (433 3/9 Miller-CA)
 11835 0425 RS EE; mx to 0430 EE contry, new time & freqs for EE (444 3/7 Kunkel-CA)
 11870 1944 RS Turkish; ID @ 1945, OM/YL w/ mx bridges (343 3/21 Cichorek-NJ)

CZECHOSLOVAKIA Radio Prague
 6055 0325 RP EE; good signal, moderate fading, folk mx (434 3/1 Bevens-MA)
 7345 0100 RP EE; nx, Sunday Program on the Air (444 3/10 Bevens-MA) 0309 EE; nx, pgm
 on trade unions & nat'l literature (323 3/7 Carson-OK)
 13715 1753 RP EE; political contry, peace plans for Lebanon, melody of the day-
 strange, depressing song (333 3/22 Cichorek-NJ)
 17705 *1530 RP EE; IS, ID, s/on aamt, nx (322 3/25 Wakefield-IA)

FINLAND Radio Finland
 15400 1302 EE; t/k, mx for Good Friday, Summer sked (433 3/24 Berhent-OH)
 17795 0905 EE; nx, Easter pgm promo, Nordic wx, Finnish press editorials, QRM de RFI
 from 0912 (fr-pr 3/21 Famularo-Japan)

FRANCE Radio France international
 9790 0530 RFI FF; ment Francais, ID, Gorbachev (555 3/26 Trescher-PA)

FRANCE continued

17795 1635 RFI EE; mx, tlk, ID, letters from listeners, mx from Mozambique (555 3/5 Berhent-OH) 0912 FF; Medias France Intercontinents pgm, 0915 time pips, TC, ID, tlks interspersed w/ IS, QRM de Finland (pr 3/21 Famularo-Japan)

21645 1255 RFI EE; press comments on municipal election results (fr 3/27 Famularo-Japan)

GERMAN DEMOCRATIC REPUBLIC Radio Berlin international

11785 0501 RBI EE; int'l nx, mailbag (344 3/13 Bevens-MA) 0230 GG; mx (322 4/1 Rogers-MA) 0450 EE; nx, RBI DX Club, VLF b/cing in 1910 (433 3/7 Carson)

15240 1314 RBI EE; IS, ID, "B/Cing to Africa, we hope your reception will be good," nx (222 3/19 Cichorek-NJ) 1458* AA; ID "Huna Berlin," IS, s/off (333 3/18 Wakefield-IA)

17755 0635 RBI GG; soft rock, 'Got Morgan,' YL (454 2/26 Kunkel-CA)

17880 0615 RBI EE; contry, hard rock mx, to Asia (455 2/26 Kunkel-CA)

21540 1308 RBI EE; contry by YL, popular mx, echo (444 3/8 Levison-PA)

GERMANY, FEDERAL REPUBLIC OF Deutsche Welle

3995 0040 DW GG; OM w/ play-by-play of a soccer game (433 3/30 Bishop-WY)

5960 0509 DW EE; Letter from Bonn (545 3/6 Bevens-MA)

6000 0450 DW AA; // 6025, 9640 & 11795, rousing AA mx, ID @ 0500 (355 3/25 Kunkel)

25740nf 1304 DW GG; OM w/ nx, ending w/ ID @ 1310, // 21680 (242 4/3 Westenhaver-QU)

GREECE Voice of Greece

5995 0700 VOA relay unid lang; IS, heavy QRM, OM (222 2/20 Kunkel-CA)

7205 0200 VOA relay EE; nx (243 4/4 Rogers-MA)

11645 0145 VOG EE; OM, ID, Greek mx (333 3/29 Langlois-FL)

HUNGARY Radio Budapest

9835 0158 EE; int'l & Hungarian nx (333 3/24 Bevens-MA) 0220 EE; comments on Hapsburg, DX & amateur nx (444 3/11 Levison-PA)

11910 0031 EE; tlk, listener from Ohio requesting Hungarian mx, contry on sound quality of CD's (545 3/22 Berhent-OH) 0039 EE; disc. of Hung.-Romanian relations & problems, growing high-tech industries, (444 3/11 Cichorek-NJ)

INTERNATIONAL WATERS Radio Caroline

6215 0403 EE; ID, lots of rock mx, ad for Canadian lottery-"Lotto 649," gave address in Spain for correspondence (333 3/12 D'Angelo-PA)

ITALY Radiotelevisione Italiana

7125 0555 Adventist World Radio EE; rel song, ID, request for reception rpts, Forlì address, freq ment as 7257 their usual freq not heard, EE/GG ID @ 0601* (222 3/28 George-MA)

7275 0527 RAI Romanian; weepy mx & 2 bars of 'Love is a Many Splendid Thing,' IS @ 0530 (344 3/5 Kunkel-CA)

7280 0509 RAI Somali; IS, s/on, OM (333 3/5 Kunkel-CA)

9860 0800 Italian Radio Relay Svce EE; ID by OM "Broadcasting from Milan, this is I.R.R.S., the Italian R. Relay Svce," U.N. radio pgm about UNESCO (232 3/26 Fisher-MA)

LUXEMBOURG Radio Luxembourg

15350 1857 FF; French & rock mx (555 3/28 Trescher-PA)

MALTA

7110 2103 IBRA Radio EE; rel tlk, hymns, 2111 address given for U.S., ID (333 3/8 Cichorek-NJ)

9690 0557 DW relay GG; IS, OM ancr, DW pgm, GG nx (444 2/10 Carson-OK)

9765 0620 Voice of the Mediterranean EE; Campus Corner, intvw w/ philosopher professor, Greek People of the Mediterranean, ID @ 0651, pause, then AA (343 3/16 George-MA)

MONACO Trans World Radio-Monte Carlo

7100 0728 EE; religious pgm (444 3/4 Bevens-MA)

NETHERLANDS Radio Nederland

6020 *0230 EE; iS, EE ID, mixing w/ XEUW (pr-fr 3/22 Howell-CA)

9615 0601 EE; tlk about car show, pollution (434 2/11 Carson-OK)

NORWAY Radio Norway International

11850 0108 Norwegian; YL w/ nx, OM w/ contry, // 15165 (333 3/13 Miller-CA)

21705 1904 EE; ment of sanctions against Pretoria re apartheid, intvw w/ author on crime fiction writers (333 3/26 Cichorek-NJ)

POLAND Radio Polonia
 7270 2341 EE; disc. importance of vacations for children, summer camps, mx by Polish Radio Light Orch., questions re army service (433 3/10 Cichorek-NJ)

PORTUGAL Radio Portugal
 9705 0235 RDP EE; nx, wx, sked (fr 3/17 Howell-CA) 0245 EE; OM, ID, Port. tourism & guides (333 3/1 Langlois-FL)
 11840 0242 RDP EE; end of nx, freq anmt, // 9705 & 9680 (332 4/1 Rogers-MA)
 11915 1553 RCI relay EE; OM w/ nx, PLO will accept Soviet & U.S. sponsorship (threshold 3/22 Cichorek-NJ)
 21530 *1400 R. Free Afghanistan (RL) Dari; sub-continent mx theme, OM "Inja R. Afghanistan azad ast" & annts. nx, this freq has RFA in Pashto to 1359* (343 4/3 Westenhaver-QU)

ROMANIA Radio Bucharest
 6155 0150 RE Romanian; mx, YL ancr, // 5990, 9570 & 11830, SS 0330, ID @ 0347 (253 2/27 Kunkel-CA)
 9570 0232 RE EE; symphonic mx, doctors & patients, // 5980 (434 3/2 Levison-PA)
 15250 0541 RE EE; radio picture pgm, moderate fading (333 3/6 Bevens-MA)

SPAIN Radio Exterior de España
 9690 0340 R. Beijing relay EE; feature on population growth (343 3/31 Rogers-MA) 0200 CC; s/on, long tik by YL (did not appear to be nx (444 3/7 Fraser-MA)
 15110nf 0003 REE EE; OM w/ nx, 0005 ID as "Spanish National Radio's nx service" & back to int'l stories, ex-11880 (433 3/8 Westenhaver-QU) 0100 EE; wld nx, Panorama, tik, SS mx, editorial comments. press review (334 3/24 Miller)
 15290 1926 R. Liberty RR; Gorbachev, Afghanistan, Kabul (523 3/28 Trescher-PA)
 21495 2335 REE SS; tik about tango festival in Grenada & literary conference in Palma de Mallorca, // 21555 (444 3/18 Westenhaver-QU)
 21555nf 0000 REE SS; time pip, TC, theme mx, ID "R. Nacional de España. R. Exterior," into tik (343 3/8 Westenhaver-QU)

SWEDEN Radio Sweden
 9695 0320 EE; listing of prize winners in radio contest, special rpt on Swedish stamps (322 4/3 Ehly-IA)
 15330nf 1542 EE; wx, nx of Danish composer Carl Nielsen (fr-gd 3/20 Famularo-Japan)

SWITZERLAND Swiss Radio International
 6135 0400 SRI EE; Dataline, int'l nx (444 3/7 Gears-IL) 0205 EE; rpt from African World Bank director, committee against torture (545 3/10 Berhent-OH)
 9885 0415 SRI EE; nx, feature pgm (343 3/30 Rogers-MA)
 12030 0632 SRI EE; nx, conf. in Canada on the atmosphere (333 3/11 Brown-NI)
 12035 0424 SRI EE; Swiss folk mx (444 3/1 Bevens-MA)
 17570 0643 SRI EE; mx, // 15430 & 12030, QRM de Moscow (333 ??? Kunkel-CA)

UNITED KINGDOM British Broadcasting Corporation
 6080 0555 VOA relay unid lang; OM w/ tik, Yankee Doodle & EE ID, covered by VOA-Greenville @ 0600 (pr-fr 3/22 Howell-CA)
 6125 0545 VOA relay AA; YL/OM, IS @ 0559, wiped out @ 0600 by VOA-Bethany (333 2/22 Kunkel-CA)
 7185 0345 BBC EE; tik, march-style mx, ARO QRM (244 3/9 Miller-CA)
 7260 *0315 RCI relay RR; IS, ID, ARO QRM (pr 3/22 Howell-CA)
 9410 0749 BBC EE; taste & colors (555 3/27 Trescher-PA)
 18080 1556 BBC EE; classical mx pgm, YL w/ ID, wld nx (544 3/9 Kerrigan-IL)
 21550 *1156 BBC Mandarin; IS, ID, pips, opening mx, nx by YL, // 5995, 9725, 7180 & 11955 (343 3/14 Matsushita-Japan)
 25750 1100 BBC EE; wld nx, Nx about Britain (pr-fr 3/25 Famularo-Japan)

VATICAN CITY Vatican Radio
 6035 0243 SS; end of SS svce, IS & Cathedral bells (pr-fr 3/22 Howell-CA)
 21670 1757 EE/FF; Mass celebrated by Holy Father de St. Peter's, OM w/ contry in FF, YL w/ contry in EE, beautiful choir mx (232 3/24 Cichorek-NJ)

YUGOSLAVIA Radio Yugoslavia
 9620 *1959 R. Pristina & R. Novi Sad Albanian/Hungarian; home svce relays now an hour earlier UTC w/ Pristina 1959-2015 in Alb., all nx, Novi Sad in Hung., all nx except for a 1-minute mx bridge before s/off, IS (353 3/30 D'Angelo-PA)
 9660 2139 RY EE; Spotlight on Culture, mx & art festivals in Yugo., brief closing annts, IS, 2143* (444 3/29 Westenhaver-QU) 2100 EE; ID "This is R. Yugoslavia," nx, contry on 3rd World debt (444 3/26 Fisher-MA) 2212 EE; ID, music box, disc. of Canberra school of mx in Australia (Cichorek-NJ)
 11735 0100 RY EE; nx, ID, mx, Spotlight on Culture (555 3/2 Berhent-OH)
 15325 1304 RY EE; political contry on Vietnam & Kampuchea (333 3/24 Cichorek-NJ)



Jason Berri 21240 S. Western Ave #18 Torrance, CA 90501

U.S.S.R. Radio Moscow Radio Kiev Radio Vilnius Radio Tashkent
Radio Station Peace and Progress Radio Yerevan

4795 0056 **Buryat R.** -Ulan Ude (RDI): RR; EZL mx to TP @ 0100, ID "This is R. Moscow in Russian" (433 3/30 Bishop-NY)

4810 0118 **Kirghiz R.** -Frunze (RDI): RR?; US pop mx, M tkl, UTE QRM (322 3/30 Bishop-NY) (ID? -ed)

7205 0200 **RM-Kiev** (RDI): RR; mx, TP, W ancr (233 3/5 Kunkel-CA)

9480 0220 **RM-Vladivostok** (ILG): CC; M/W tkl, fill mx, ID @ 0226 & tkl w/ ments of America & Canada (343 3/7 Westenhaver-QU)

9685 0126 **RM-Lvov** (ILG): EE; jazz mx pgm (443 3/19 Allred-Ecuador)

9695 0100 **RM:** RR; weak IS under R. Sweden (232 3/3 Kunkel-CA)

9755 1728 **RM-Petropavlovsk Kamchatskiy** (ILG): EE; W tkl abt families, mx, ment Moscow, ; 9540, 9895 (333 3/23 -ed)

9765 2313 **RY-Lvov** (UHN): EE; Women's Rights & child care discussion, ID & freq. @ 2327 (433 3/10 Cichorek-NJ)

9765 0040 **RK-Lvov** (UHN): EE; "Open Studio" pgm on Russian Orthodox Church (545 3/4 Fraser-MA)

9810 0353 **RM-Moscow** (ILG): RR; Russian election campaign, Pravda rpt, ID (533 3/27 Trescher-PA)

9820 0334 **RM-Armavir** (ILG): SS; Latin Am. nx (555 3/37 Trescher-PA)

9880 0303 **RK-Simferopol** (ILG): EE; nx & ID, cmtry on perestroika, @ 0309 into "Ukraine Today", ; 9765 (444 3/7 Westenhaver-QU)

9860 0312 **RM-Simferopol** (ILG): RR; Pravda rpt, election results (555 3/27 Trescher-PA)

9880 0255 **RM-Tula** (ILG): SS; ID, RM IS @ 0300 (523 3/27 Trescher-PA)

9890 0245 **RM-Moscow** (ILG): RR; ment "Ameriki" (533 3/27 Trescher-PA)

11835 1322 **RM-Irkutsk** (ILG): Tagalog; jazz mx, M w/ ID & addr. @ 1328 (333 3/5 Cichorek-NJ)

11990 1650 **RM-Vladivostok?**: EE; RR mx pgm (Asian, Moldavian, etc.), ID @ 1700 (455 3/29 -ed)

12000 2045 **RM-Tashkent** (ILG): AA; M cmtry, QRM (323 3/27 Trescher-PA)

12000 2330 **RK:** EE; nx, political cmtry (333 4/1 Rogers-MA)

12010 2012 **RM-Petro. Kam.** (ILG): EE; "Inside Report", choral mx (545 3/24 Miller-CA) (333 3/23 -ed)

12045 2342 **RM:** EE; RR mx (343 4/1 Rogers-MA) (more details please -ed)

12060 2006 **RM:** FF; W nx & ID, heroism awards (343 3/24 Westenhaver-QU)

12060 2346 **RM-Kiev** (ILG): SS; feature on Samarkand (444 4/1 Rogers-MA)

12065 1005 **RM-Petro. Kam.** (ILG): JJ; wld nx, ID, tkl on Siberian development, listeners mx requests (gd 3/19 Famularo-JP)

13645 0029 **RK-Komsomolsk Amure** (ILG): EE; IS, ID @ 0030, local nx (343 3/1 Cichorek-NJ)

13720 0440 **RM:** AA; M & W tkl, ; 9830, 7140 (343 2/28 Kunkel-CA)

15135 2108 **RM-Vinnitsa?**: EE; nx, "News & Views" on Soviet-Hungarian summit (544 3/24 Westenhaver-QU)

15140 0334 **RM-Frunze** (ILG): EE; W nx, mx, "Side Light on Soviet Life", ID @ 0343, mx (333 3/1 Cichorek-NJ)

15210 0107 **RM-Irkutsk** (ILG): CC; W ancr (343 3/15 Kunkel-CA)

15240 0320 **RK-Nikolaevsk Amure** (ILG): EE; "Ukraine Today", ID, sked (gd 3/15 Famularo-JP) (Matsushita-JP) @ 2130 in RR (Kunkel-CA)

15240 0353 **RY-Nikolaevsk Amure** (ILG): EE; M ID & nx, sked, closing mx, 0359* (454 3/17 Matsushita-JP)

15425 0145 **RM-Petro. Kam.** (ILG): EE; tkl on Aids, ID, mx, QRM de BBC on 15420 (444 3/16 Miller-CA)

15445 0031 **RK:** EE; cmtry on foreign policy (434 3/7 Levison-PA)

15455 2306 **RY-Petro. Kam.** (ILG): EE; mailbag, folk mx, "Lithuanian by Radio", 2329* (353 3/12 Matsushita-JP)

15480 2136 RM-Armavir (ILG): EE; pgm on life of composer M. Svirsky, QRM (322 3/24 Westenhaber-QU)

15520 0206 RM: CC; W nx w/ ments Afghanistan & Canada, mx, ID, M & W w/ tlk (343 3/19 Westenhaber-QU)

15525 0058 RM: SS; ID by M, sked, IS @ 0059 (333 3/7 Cichorek-NJ)

15580 2314 RM-Irkutsk (ILG): Indonesian; current affairs rpt, ID in closing anmts @ 2329* (322 3/17 Westenhaber-QU)

15585 0351 RSP&P-Frunze (ILG): SS; promo, address, fill mx, ID, 0358* (343 3/19 Westenhaber-QU)

15585 2006 RM-Armavir (ILG): EE; African nx, ID (433 3/21 Cichorek-NJ)

17570 *2000 RM-Tbilisi (ILG): EE; "This is the African Service of RM", Lidia Kedrova w/ pgm details & nx (344 3/24 Westenhaber-QU)

17605 0500 RM-Petro. Kam.: EE; s/off anmt (455 3/7 Kunkel-CA)

17665 1119 RM-Tula (ILG): EE; Mongolian holidays (555 3/27 Trescher-PA)

17655 0253 RY-Petro. Kam. (ILG): EE; "this is Yerevan", regional nx, !! 15240 (gd 4/1 Famularo-JP) (Westenhaber-QU)

17720 2245 RM-Petro. Kam. (ILG): EE; USSR C&W mx (455 3/14 Kunkel-CA)

17755 0200 Radiostantsiya Rodina: RR; IS, Moscow ID, Rodina ID, M/W nx (fr 3/25 Famularo-JP)

17775 0210 RM-Frunze (ILG): EE; nx, "Focus on Asia & Pacific" (242 3/8 Flynn-CA)

17870 2354 RM-Chita (ILG): CC; tlk, mx, ID "Mosuko guangbo diantai", anmts, IS @ 0000 (243 3/17 Westenhaber-QU)

21600 0957 R. Afghanistan Relay: EE; M ID, address, folk song, cmtry (333 3/20 Matsushita-JP)

21635 0108 RM-Dushanbe (ILG): EE; "News & Views" (151 3/25 Flynn-CA)

21690 0100 RM-Khabarovsk (ILG): EE; W tlk, "News & Views" (444 3/13 Valentine-CA) (Westenhaber-QU)

21820 0800 RM: RR; Kremlin bells, tlk by ancrs (gd 3/26 Famularo-JP)

Relay loggings for this month: 6000, 9605, 9720, and 11840 via Havana, Cuba; 7115 and 11735 via Plovdiv, Bulgaria. Some old logs were received this month - please try to submit logs no older than the 1st of the month preceeding the month of issue (i.e. for this month, April 1st). I received the latest RM North American Service schedule in time to make another frequency graph similar to the one in the January issue (presented below). If this is a useful feature, let me know. 73 for now... -Jason

Frq\Tm	22	23	00	01	02	03	04	05	06	Probably Site
21470		**	****	****	****					
17840	****	****	****	****	****					
17700	****	****	****	****	****	****				Petro. Kam.
17865						****	##	####	####	Petro. Kam.
17605	****	****	****	****	****	####	####	####	####	Petro. Kam.
15455						####	####	####		Petro. Kam.
15440			##	####	####					
15425	####	####	####	####	####	####	####		####	Petro. Kam.
15405	####	####	####	####	####	####	####	####	####	Petro. Kam.
15290	####	####	####	####	####					
15245	####	####	####	####	####					
15180						####	####	####	####	Komsomolsk
13645						####	##	####	####	Komsomolsk
13605	####	####	####	####	####	####	####	####	####	
12050	####	####	####	####	####	####	####	####	####	Petro. Kam.
12040								**	****	
12030	####	####	####	####	####	####	####	####	####	
12010						**	****	****	****	Petro. Kam.
12000						**	****	****	****	
11850			####	####	####					
11750	####	####	####	####	####					Havana
11730	####	####	####	####	####					
11710	####	####	####	####	####					Plovdiv
9865	****	****	****	****	****					
9765	####	####	####	####	####					Lvov
9720	****	****	****	****	****					Havana
9700			**	****	****					Plovdiv
9600			****	****	****					Havana
9580							##@	****		
9530	##	####	####	####	####					
7290			****	****	****					
7165	**	****	****	****	****					

@ = May 7 to Sept 23 # = May 7 to Sept 2 * = from Sept 3



Africa

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

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

Submission Deadline is the 12th.

Whassamatta, afraid of sunspots? Or did some strange solar disturbance dry up all the ink in your Flair pens? Where is everybody? Just because the weather's warming up is no excuse to leave the shack...are you listening? I need you! Come back here! Hay!

COLUMN FOR MAY, 1989

ANGOLA

- 4970 0558 ER do Cabinda: PP; Afro mx, M tlc, mx, IDs, mx like NA #0602, then off. 533(3-10 Miller-CA). [Anything's possible, Bill, but I'll bet you were hearing R. Rumbos, Caracas, signing off. -ed.]
- 9535 2139 R. Nacional(t): FF; drum rhythm, highlife mx, M/W tlc, 5 TPs for 2200, W "Nacional" ID, nx. 333(3-15 Cichorek-NJ)

ASCENSION ISLAND

- 9515 1725 BBC Relay: EE; Listeners' cats on Rushdie. 333(3-15 Brown-HI)
- 9575 0522 BBC Relay: EE; Rpt on Soviet agriculture, reforms. 433(3-15 Brown-HI)
- 11820 2355 BBC Relay: EE; end Sandy Jones request show, ID, off. 222(3-18 Fraser-MA)
- 11840 0806 BBC Relay: EE; nx; El Salvador elections/violence. 433(3-19 Brown-HI)
- 15400 1838 BBC Relay: EE; Focus on Africa. 555(3-28 Trescher-PA). 80715..444(3-16 Brown-HI)
- 17885 1855 BBC Relay: EE; nx; Zimbabwe minister resigns. 444(3-15 Brown-HI)

BURKINA FASO

- 4815 2230 RTV Burkina: FF; native mx, M ID; good audio. 344(3-2 Morby-NY). 433(3-18 Bishop-NY)

CAMEROON

- 4795 2240 CRTV Douala: FF; M dj solicits dance mx selections, thanks listeners (possibly charity dance, as money was mentioned). Full FF/EE ID 2305. 444(4-5 George-MA)
- 4850 0505 CRTV Yaounde: EE; nx, ID #0508. 343(3-29 Rogers-MA). @2114 in EE/FF..fair(3-29 Famularo-JAPAN)

EGYPT

- 9850 0511 R. Cairo: AA; AA music, Arab, Arabia. [???-ed.] 534(3-26 Trescher-PA)
- 9900 2127 R. Cairo: EE; pgm abt tourism. Terrible audio, GRM de RN/9895. 422(3-22 Cichorek-NJ). @0236..555(3-27 Trescher-PA)
- 11905 0435 R. Cairo: AA; VD Arabs, AA mx//97670 & 9850. 242(3-10 Kunkel-CA)
- 15115 0630 R. Cairo: AA; general AA pgm. 242(3-10 Kunkel-CA)
- 15220 0045 R. Cairo: SS; M ID, s/on anats, this freq not mentioned; theme mx, pgm details. 353(4-7 Westenhaver-QUE)

EQUATORIAL GUINEA

- 4926.4 2150 R.Nacional: SS; M tlc, ment Malabo; clsg anmt @2157 "Viva la Republica Guinea Ecuatorial," NA 2159. 5004 dead today. 333(4-1 George-MA)

ETHIOPIA

- 9660 1830 VQ Ethiopia: EE; IS, W ID "You are tuned to the External Service of the Voice of Ethiopia," into nx/mx. Vy weak. 222(3-12 Fisher-MA)

GABON

4830 2043 Africa #1: FF; poorly-acted drama w/whiny M, animal noises, evil laughter; ID #2100. fr/gd(3-24 Famularo-JAPAN). 332(3-12 Bishop-NY)
 4890 0450 R. France Int'l Relay: FF; M ancr, FF mx, ID/frq annt #0455. 443(3-29 Rogers-MA). 343(3-11 Miller-CA)
 11800 2300 R. Japan Relay: EE; ID, nx; Rushdie; poor audio. 322(3-8 Cichorek-NJ)
 11940 0705 Africa #1: FF; African mx, ID. 333(3-16 Brown-HI)
 15475 2048 Africa #1: FF; play "L'Attentat au Stade" to 2058; Afropops to 2100, nx to 2113. 343(3-17 Westenhaver-QUE)
 17810 0745 RJ Relay: EE; rpt on foreign exchange students. 333(3-24 Brown-HI)
 21700 1514 RJ Relay: EE; costs of Japanese construction. 444(3-25 Wakefield-IA)

GHANA

3366 2259 BBC: EE; ID, TP, nx, NA, off at 2307%. 322(3-18 Bishop-NY)
 4915 0526 BBC: EE; VN; guitar mx, VN annt, brief hymn, EE ID, more rel mx. 443(3-29 Rogers-MA). 333(3-12 Cichorek-NJ). 544(3-10 Miller-CA). #2218. 322(3-12 Bishop-NY). fr/unusable(3/24 Famularo-JAPAN)

GUINEA

7125 #0552 R. National: FF; string IS, NA 0558, M vcl o/jazzy bongos, ID "Vous ecoulez Radiodiffusion Television Nationale du Guinee," into recitation. 4900 dead. 253(3-25 George-MA)

KENYA

4934 0250 VO Kenya: EE; cont rock mx to "six o'clock" TC, fanfare, nx to 0313; then fanfare, TC, ID, back to Afro mx. 353(3-12 D'Angelo-PA)

LESOTHO

3255 0300 BBC Relay: EE; OC from 0255, s/on w/BBCWS theme, TPs, into nx. 232(3-6 Flynn-CA)

9515 [I've received yet another log claiming this site for this frequency. To clarify: if you are in North America and hear the BBC on 9515 from 1100-1345 and 1500-1745, you are hearing SACKVILLE! The strong signal is the dead giveaway. Lesotho is weak and tough from 0430, covered first by Iraq and then Italy. Propagation also makes reception highly unlikely past 0700 or so. -ed.]

LIBERIA

4760 0640 ELNA: EE; religion w/mx, M ancr. 242(3-10 Kunkel-CA)
 7265 0443 VOA Relay: PP; nx abt Namibia, off 0459% but back @#0500 in Hausa. 343(4-5 Westenhaver-QUE)
 9540 0655 VOA Relay: EE; nx; Debate over Gorbachev reforms. 333(3-16 Brown-HI). 534(3-27 Trescher-PA)
 15445 1833 VOA Relay: EE; nx in Special EE; oil prices rise. 444(3-15 Brown-HI)

MADAGASCAR

17575 1441 R. Nederland Relay: EE; nursing in the Third World; //15150. 333(3-20 Wakefield-IA)

MALI

4835 1845 RTV Maliense: EE; M magazine pgm w/nx, mx; ID #1847 "This is Bamako." 343(3-19 Matsushita-JAPAN)
 9500 1718 R. Beijing Relay: EE; M ID, tik abt political parties. 222(3-23 Berri-CA)
 9690 0308 RB Relay: EE; nx, cmty, tik abt sightseeing. 444(3-12 Levison-PA)
 9770 0340 RB Relay: EE; feature on population growth. 322(3-31 Rogers-MA). 333(3-18 Cichorek-NJ)
 11715 0030 RB Relay: EE; W disc earthquake, housing problems in Beijing. 433(3-18 Kerrigan-IL). 554(3-17 Fraser-MA). 555(3-3 Berhent-OH)
 15130 #2300 RB Relay: SS; s/on w/"Aqui R. Pekin" IDs, chat abt wx, into M nx. Mix w/VOFC/WYFR in SS -- coincidence? [No such beast on shortwave. -ed.] 222(3-17 Westenhaver-QUE)

MAURITANIA

4845 2300 ORT Mauritania: AA; nx, native mx, Gur'an, NA. 544(3-30 Card-RI)

MOZAMBIQUE

9618 1538 R. Mocambique: PP; ragtime piano, hiflife mx, ads, ID #1601, W nx, M tik; xmsn break #1624. fair(3-31 Famularo-JAPAN)

NAMIBIA

3290 0005 R. SNA: EE/AK; Baez/Broadway/Bebop mx nonstop, short ID #0030, back to mx. Apparently independence has done nothing for their musical selections. [These things take time, Steve. Did you hear any Tony Orlando? See, things look better already! -ed.] 322(4-6 George-MA)

NIGERIA

4770 2255 R. Nigeria, Kaduna: EE; 1cl/world nx, quick RN Kaduna ID, closing anmts, NA 23018. 444(3-28 George-MA). 80510..333(3-29 Rogers-MA)
 4990 1757 R. Nigeria, Lagos: EE; M tik, TC for 7 pm, ID national nx. pr/fr(3-31 Famularo-JAPAN)

SENEGAL

7170 0817 RTV Senegal: FF; mx, M & W ancrs; //4890 (SID 233). 343(3-5 Kunkel-CA)

SOUTH AFRICA

4810 0201 R. Orion: EE; M "one minute past four, Wednesday morning here on Radio Orion," into accordian mx. 322(3-29 Thornton-NJ)
 4880 0435 R. Five: EE; birthday dedications, ID. 343(3-31 Rogers-MA). 434(3-11 Miller-CA). 322(4/3 Thornton-NJ)
 4965 10350 R. RBA: EE/Afk; RBA IS 0350, ID 0359 "You are tuned to the Afrikaans Service of Radio RBA, b/cing from J'burg." NA, into Afk. 343(4-2 George-MA). 322(3-30 Rogers-MA). vy good(4-5 Sheedy-CA)
 9615 0200 R. RBA: EE; Touring South Africa By Train. 444(3-13 Gears-IL). 545(3-11 Miller-CA)
 11760 0230 R. RBA: EE; W local news; tik abt new mineral discovery. 433(3-1 Langlois-FL)
 11900 2006 R. RBA: SS; news abt Malawi & Zimbabwe; ID. 555(3-27 Trescher-PA)
 15295 10430 R. RBA: FF; s/on under title "L'Afrique parle a l'Afrique;" into nx. 243(4-7 Westenhaver-QUE)
 17755 11300 R. RBA: EE; theme mx, ID/freqs, world nx//21590. fair(3-26 Famularo-JAPAN)
 17765 1959 R. RBA: SS; EE/SS IDs, fanfare, anmts, etc., into nx 02003. 322(3-11 Westenhaver-QUE)
 21590 1946 R. RBA: EE; Amateur Radio Spectrum: Reciprocal licenses in IS-land. 333(3-25 Westenhaver-QUE). 01407..poor(3-29 Ross-Nutt - JAPAN)
 25790 1410 R. RBA: EE; tik, mx, cmty on protecting elephants. 343(3-24 Berhent-OH). 343(3-24 Cichorek-NJ). 454(3-25 Wakefield-IA)

TOGO

5047 10528 RDif Togoleise: FF; IS, NA, choral anthem, nx; lo mod. 333(3-18 Wakefield-IA)

IDENTIFIED (MAYBE)

Last month's mystery on 4871.2 at 0905 is probably Indonesia's RRI Wamena. This according to Dan Sheedy-CA.

////////////////////////////////////

DX NOOZ

ALGERIA--RTA has reactivated 6145 kHz, last used about 5 years ago. It's been heard with Middle Eastern music at 03:30 hrs with an ID at 04:00 hrs. (Bob Hill-MA/SCDX)

CAMEROON--CRTV, Garoua is currently heard on 7240 kHz, rather than the customary 5010, until sign-off at 22:09 hrs. Programs are in French, with highlife and other African pop. (Hill-MA/SCDX)

EGYPT--Radio Cairo's Farsi service seems to be using 11560 kHz instead of the listed 11930, from 17:45 hrs until sign-off at 19:59. (Hill-MA/SCDX)

LIBYA--Since 5th March, Libyan Radio has been observed on a new frequency of 7235 kHz, in parallel with the regular 15450, 15415 and 15235 kHz. Sign-on is at 11:00. This carries Libyan radio's external service Voice of the Greater Arab Homeland programme in Arabic from 11:15-13:15 and 17:45-04:30. From 13:15-17:45 all frequencies usually relay Libyan radio's domestic service in Arabic. (BBCMS/SCDX)

MADAGASCAR/NETHERLANDS--Radio Netherland's English broadcast at 14:30-15:25 on 15150 kHz is via Madagascar. 21615 kHz at 11:30-12:25 in English is via Flevo, and not Madagascar. (Aguia-BRASIL/SCDX)

NIGERIA--The Minister of Information and Culture, Prince Tony Momoh, says the external service Voice of Nigeria will soon be reactivated. Because of the current economic situation in the country, less than half the corporation's 60 transmitters are functioning. (BBCMS/SCDX)

SEYCHELLES--FEBA can now be heard in English 15:00-16:10 hrs on new frequencies of 11870 and 15325 kHz. (Duryodhana-INDIA/BCDX)

FEBA has cancelled all its programs in the Mundari language. Programs in Hindi for India are broadcast daily at 00:30-01:00 on 7275 and at 02:00-03:00 on 11870 and 15325 kHz. (Banerjee-INDIA/BCDX)

FEBA has a new 100 kW SW transmitter, which arrived on February 21st. It replaces the old 25 kW unit. (FEBA/BCDX)

HERE AND THERE--Vashek Korinek-RSA reports that Transkei's Capital Radio appears to be inactive on shortwave. He also notes the following "local" stations on 41m between 0500-0600 UTC:

7165.0 SWABC, Namibia
 7174.7 ZBC Radio 2, Zimbabwe
 7189.6 SWABC, Namibia
 7234.4 ZBC, Zimbabwe
 7285.0 R. Oranje, South Africa

Vashek also notes Radio Five is now on 11880 from 0515-1620. If these hours are correct, they would change the sked published here last month to the following:

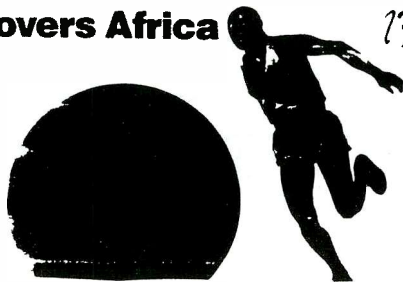
0300-0515 4880 English
 0515-1620 11880 English
 1620-2400 4880 English

USA/EVERYWHERE--Finally, for you folks who are never sure where to send your VOA loggings, here is the latest sked for VOA's three African shortwave sites (A = ASCENSION ISLAND; M = MONROVIA, LIBERIA; T = TANGIER, MOROCCO):

3990M	0300-0430, 06-07	50 KW	11835M	0300-0430	250
5995T	0400-0700	50	11850M	0430-0700	250
6035M	0300-0700	250	11915M	0600-0700	50
6090T	0500-0600	100	11915T	1900-2300	100
6095T	0600-0700	100	15195T	1500-1830	100
6150T	0100-0300, 0730-08	100	15205T	1700-2200	100/35
6180M	0430-0700	250	15235T	1800-2300	100
7135M	1830-2200	50	15280T	1830-2030	35
7175M	0815-0845	250	15315M	1830-2200	250
7195M	1600-2200	50	15320M	1600-1830	250
7265M	0430-0700	250	15330M	2300-2400	250
7280M	0300-0700	250	15445M	1600-2200	250
9525M	0300-0600	250	15600M	0815-0845, 16-22	250
9530T	0230-0300	100	17705M	1630-2200	250
9540M	0500-0700	250	17715M	0815-0845	250
9575T	0200-0230	100	17740M	1600-1630	250
9605M	1830-2200	250	17810A	1000-1100	250
9605T	0300-0500	100	17830A	1130-1400	250
9615T	0400-0500	100	17855T	1500-2000	100
9715T	0300-0400	100	17870M	1600-2200	250
9750M	0815-0845	50	21485M	1630-1730	50
9775M	2300-2400	250	21485M	1800-2200	15
11710T	0400-0500	100	21490A	10-11, 1130-1400	250
11710M	0815-0845	250	21500M	0815-0845	50
11715M	1730-1830	250	21570T	1400-1500	35
11760M	1600-1630	250			

Thanks to all our fine contributors this month!

Nobody Covers Africa



13, Al

Like We Do.



ASIA/OCEANIA

William Westenhaver
3525 Aylmer St., #610
Montreal, Quebec, Canada
H2X 2C1

Deadline: 12th
Dates/Times: UTC
Frequencies: KHz

welcome to the May column! It's obvious that the awful geomagnetic conditions obtaining through much of March barely discouraged our band of dedicated contributors, as you'll see from this month's turnout. Thanks to you all, especially our new contributors--and a special "HI!" to John Fisher-MA, whom I had the pleasure of meeting recently when he was in Montreal.

AUSTRALIA

VLW15 Wanneroo Radio Australia

15425 0835 VLW15: EE: Mix of mx, sports rpts, financial nx; TC's and ID (433 3/15 Brown-HI)
RA was reported on the following frequencies (in EE unless otherwise noted) by the following reporters:
6080 Famularo-JAPAN/Miller-CA
9580 Bevens-MA/Brown-HI/Cadorette-MA/Fraser-MA/Radtke-CA/Trescher-PA
9655 Famularo-JAPAN
11720 Bevens-MA/Brown-HI
11765 Brown-HI
11910 Westenhaver-PQ
15140 Cichorek-NJ/Wakefield-IA
15160 Bevens-MA/Brown-HI
15240 Brown-HI/Rogers-MA
15320 Kunkel-CA (in EE)/Miller-CA (in FF)
17715 Brown-HI/Tunick-CT
17795 Rogers-MA/Tunick-CT
21740 Berhent-OH/Cichorek-NJ/Westenhaver-PQ

BANGLADESH

Radio Bangladesh

4890 2307 RB: BENGALI: 2 OM talking (322 3/12 Bishop-NY) (Forrest, did you get an ID on this one? The WRTH lists them here, but only de *0000, while the latest ILG lists them on 4879v, also de *0000.-ed.)
11510 1829 RB: EE: W nx/cmt; ID and bit of mx; px "Panorama" w/ments of the UN; very noisy and weak (222 3/5 Cichorek-NJ)
15195 1241 RB: EE: W cmt; ID @ 1242; mx; co-channel QRM de VOA (222 3/19 Cichorek-NJ)

CHINA

Central People's Bcast Stn Radio Beijing

2445 1335 JIANGXI PBS: CC: M/W tlc to 1349 light mx and "Jiangxi renmin guangbo diantai" ID; //5020, 6040 (pr-fr 3/22 Famularo)
5020 1319 JIANGXI PBS: CC: EE lesson; hrd //6040 (353 3/1 Kline-CA)
5950 1406 HEILONGJIANG-1: CC: M/W in what sounded like a play; hrd //4840 (443 3/1 Kline-CA)
6050 0640 (t)RB: CC: Musical theatre; W tlc; HCJB faint underneath; nf for Beijing?? (fair 3/30 Howell-CA) (I'm not sure, Joe; can anyone come up with a positive ID?-ed.)
7108 1410 (t)CPBS MINORITY SCE: CC: Non-stop CC opera; no ID; het/undermodulated; QRM de bubble jammer on 7110; still going @ 1450 recheck (434 3/26 Berri-CA)
7225 1354 SICHUAN PBS: CC: Contemporary EE pops; TP for 1400; M ID "Sichuan Fenmin guangbo diantai" (fair 3/25 Famularo-JAPAN)
7349.7 1146 RB: ??: Cl mx; W tlc; @ 1159 IS and M/W ID: W nx (232 3/4 Cichorek-NJ) (ILG lists Thai in this time slot.-ed.)
7405 1452 RB: EE: CC lesson; anmt and 1456* (535 3/26 Miller-CA)
9500 1745 RB: EE: M nx and ID (very good 3/31 Ross-Nutt-JAPAN)
9575 1732 RB: EE: Rpt on Chinese industry; ID (333 3/15 Brown-HI)

(More China overleaf....)

CHINA continued...

12200 0017 CPBS-2: CC: M tlk; classical mx; @ 0030 ID (222 3/1 Cichorek)
15030 0150 CPBS-2: CC: M/W tlk (353 Kunkel-CA)
15100 0150 RB: SS: Mx; "R. Pekin transmits..."; //17650 (353 3/3 Kunkel)
15540 0010 RB: EE: Nx/cmty; ID @ 0016; very bad flutter (353 3/15
Kunkel-CA) @ 0046 w/drama; ID/frqs; 0056* (322 3/24 Cichorek-
NJ) @ 0030 w/"Cooking Show" (344 3/19 ed.) (This is nf for
ECNA w/EE @ *0000, *1100, *1200.-ed.)

COOK ISLANDS

Radio Cook Islands

11759.5 0618 RCI: EE: Lots of pop mx; W ID @ 0652; @ 0700 drum IS and M
nx; poor w/some nice fade-ins (232 4/8 Cichorek-NJ)

CYPRUS

Cyprus Broadcast Corp BBC WS relay

6030 2234 CBC: GREEK: Drama in progress; @ 2237 M ID; mx; another ID
and off 2245* (343 3/11 Cichorek-NJ)
6180 2100 BBC: EE: ID; nx headlines; sports nx (333 3/11 Fisher-MA)
9580 0630 BBC: EE: ID; px "A Pope for the World" (555 3/27 Trescher-PA)

FRENCH POLYNESIA

RFO Tahiti

11823 0540 RFO: TAHITIAN: Mx and W DJ; this frq is new or my receiver
has slipped its fan belt! (344 3/5 Kunkel-CA) on 11826 @
0555 w/island mx; @ 0600 ID/nx in FF (232 3/3 Cichorek-NJ)
(They're obviously moving around a bit these days!-ed.)
15170.7 0550 RFO: TAHITIAN/FF: Lovely island mx w/W DJ; @ 0600 M ID/nx in
FF (343 3/12 Cichorek-NJ) on 15171 @ 0518 w/Polynesian mx
and infrequent DJ patter in Tahitian (333 3/25 Wakefield-IA)

GUAM

KTWR KSDA

9820 1457 KTWR: CC: Brief inst mx; W tlk; IS and off 1458* (333 3/16
Blair-CA)
11650 1500 KTWR: EE: M w/px details; ID; into "Grace Worship Hour"
(333 3/14 Berri-CA)
13720 1658 KSDA: EE: Closing annts; s/off 1700*; only 21mb stn audible
this date/time (253 3/14 Flynn-CA) @ 1015 w/discussion of
venereal disease; ID (fr-gd 3/26 Howell-CA)

INDIA

All India Radio

9565 1408 AIR: EE: Cmty on Sri Lanka; Indian mx; ID @ 1420; slightly
distorted audio (fair 3/27 Famularo-JAPAN)
9910 2036 AIR: EE: Subcontinent mx; @ 2045 ID/frqs (222 4/4 Cichorek-NJ)
11620 2140 AIR: EE: Tlk abt manufacturing/management in India; @ 2150 ID
and lcl mx; up to SIO 433 by 2200 (322 3/12 Cichorek-NJ)
15305 0227 AIR: HINDI/EE: IS and (p) ad; Hindi tlk; EE nx @ 0240; hrd //s
7210/9610/11830/11870 (353 3/2 Kunkel-CA) (Showoff-hi!-ed.)
15335 1222 AIR: TAMIL: M/W subcontinent vocals; @ 1225 ID in lng tlk w/
many ments India (222 3/2 Cichorek-NJ)

INDONESIA

Radio Republik Indonesia

4753 1409 RRI UJUNG PANDANG: IN: Varied Western classical mx including
"Romeo and Juliet"; ID (353 3/5 Kline-CA)
4871 1007 RRI WAMENA: IN: EE pops/EZL mx to 1030; M ID; W takes phone
call (pr-fr 3/26 Famularo-JAPAN)
15150 0759 VO INDONESIA: EE: IS; ID; px notes; nx; "A Report on Shipping"
(222 3/11 Brown-HI)

IRAQ

Radio Baghdad

11840 2019 RB: AA: Trad AA mx; M/W tlks; hrd //s 11895 (pr-fr), 15110
(gd), 15430 (fr) (pr-fr 3/22 Famularo-JAPAN)
11970 2039 RB: AA: Tlk abt Morocco/Arabia (532 3/27 Trescher-PA) (ID?-ed.)
15320 1911 RB: AA: Tlk--maybe nx?; Baghdad's signature tune; into AA mx
(555 3/28 Trescher-PA)

ISRAEL

Kol Israel Reshet Bet relay

9435 *0200 KI: EE: Nx abt voting in Tel Aviv (444 3/1 Langlois-FL)
(Note: They've dropped this long-running frq for M89.-ed.)
15095 1829 KI: HEBREW: IS; @ 1830 M ID; W nx abt occupied territories
(333 4/2 Cichorek-NJ) (This 1830-1900 Hebrew px is designed
for overseas listeners, and isn't a HS relay.-ed.)

(More Israel on the next page. By the way, if you're having trouble finding
KI these days, look to the higher bands; they're not using any frqs below 11
MHz at this time.-ed.)

ISRAEL continued...

15615 0008 KI: EE: Nx (322 3/17 Bishop-NY) @ 0211 w/lesson 3 of "Ulpan of the Air" Hebrew-language course (242 4/7 ed.) Reshet
Bet relay in Hebrew logged w/mx px @ 0440 (353 3/19 Kunkel-CA) and @ 2008 (333 3/21 Cichorek-NJ)

17544 2210 RB relay: HH: Hebrew pops and crappy EE pops w/M DJ: hrd //s 15615 and 11585 (343 3/18 ed.)

JAPANNHK relay Radio Japan

3970 1305 (t)NHK SAPPORO: JJ: Mx w/M/W tlc; no ID hrd (344 3/16 Kunkel)

7140 1445 RJ: EE: ID: "Let's Practice Japanese" (very good 3/31 Ross-Nutt-JAPAN)

7210 1442 RJ: CC: IS: EE/JJ ID's; into CC px; co-channel R. Moscow QRM (433 3/26 Berri-CA) @ 1445 w/IS; ID in CC (344 3/26 Miller-CA) (This month's first psychic DX'ers!-ed.)

11815 1722 RJ: EE: M/W tlc abt Tokyo Bay ecosystem (344 3/25 Berri-CA)

15270 0659 RJ: JJ/EE: JJ/EE ID's; EE nx (444 3/12 Brown-HI)

15325 0703 RJ: EE: Nx; cmtly on US economy; ID (433 3/21 Brown-HI)

17810 0910 RJ: EE: Rpt on fax machines; nx headlines; ID (333 3/19 Brown) (Note: 15350 in JJ @ 0204 is via the French Guiana relay.-ed.)

JORDANRadio Jordan

9560 1940 RJ: EE: 80's rock mx; 1957 AA inst. mx into TP; ID: M nx (fair 3/22 Famularo-JAPAN) (That's the only RJ log this month; I guess the bloom must be off the rose!-ed.)

KAMPUCHEAVoice of the People of Kampuchea

11937 1203 VOPK: EE: M tlc on George Bush/USA and on Kampuchean relief funds; fade out 1213 (fair 3/21 Ross-Nutt-JAPAN)

KOREA, D.P.R.Korean Central Broadcast System Radio Pyongyang

3920 1123 (p)KCBS SHINUIJU: KK: Dramatic, somber M tlc; interlude mx (fr-pr 3/5 Howell-CA)

RP was logged this month as follows: 6180 @ *0800 in KK (355 3/5 Kunkel-CA); 9325 @ 1733 in EE (vg 3/31 Ross-Nutt-JAPAN); 9600 @ 1222 in EE (222 3/14 Cichorek-NJ); 11740 @ 1812 in KK (222 3/23 Berri-CA) and @ 1906 in EE (333 3/15 Brown-HI); 11830 @ 0815 in EE (444 3/15 Brown-HI); 11855 @ *1400 in FF (fr-gd 3/27 Famularo-JAPAN); 15115 @ 0640 in EE (333 3/16 Brown-HI) and 15340 @ 0705 in EE (444 3/12 Brown-HI). (By the way, there's been no definitive answer to last month's A/O Question of the Month about Mrs. Kim Il-Sung--I discount the sighting of her and Elvis in a Niagara Falls McDonald's.-ed.)

KOREA, REPUBLIC OFRadio Korea

9750 1434 RK: EE: KK mx; "Let's Learn Korean" (545 3/16 Miller-CA) (I hope you're feeling better these days, Bill!-ed.)

9870 1530 RK: KK: IS: EE/KK ID's; NA; co-chan QRM (444 3/17 Miller-CA)

13670 0833 RK: EE: Px "From Us to You" (fair 3/18 Famularo-JAPAN)

15575 1435 RK: EE: ID and mailbag show (343 3/18 Cichorek-NJ) @ 2335 w/ no px details (111 3/8 Bishop-NY)

KUWAITRadio Kuwait

9840 0324 RK: AA: AA chants; ment Arabia (534 3/27 Trescher-PA)

11665 1937 RK: EE: ID; listeners' letters; lots of American rock mx (323 3/24 Berhent-OH)

11990 2245 RK: AA: Mx--mainly Mideast style, but also AA version of "Strangers in the Night"--w/M/W ancrs; ID @ 2259; R. Prague co-channel de *2258 (434 3/10 Cichorek-NJ)

MALAYSIARadio-TV Malaysia Voice of Malaysia

5965 1310 RTM KAJANG: MALAY: M tlc; Qur'an; @ 1330 fanfare; ment of Malaysia; M nx; suffering heavy splatter de R. Korea-5975 (pr-fr 3/28 Famularo-JAPAN)

15295 0735 VOM: EE: Pop/rock mx; @ 0800 2 TP; w TC and world nx; my 1st time ID'd! (pr-fr 4/1 Famularo-JAPAN)

MARIANA ISLANDSKYOI

9530nf 1345 KYOI: EE: Phone interview; M ID/frq anmt; 1355* (444 3/27 Matsushita-JAPAN) (According to Matsushita-san, 9530 is in use Mon-Fri 1000-1400 and Sat-Sun 0800-1600; other KYOI frqs are: 9455 @ 1800-2200; 15405 @ 2200-0200; 17780 @ 0200-0800. Thanks for the information!-ed.) (More KYOI....)

MARIANA ISLANDS continued...

- 11900 1051 KYOI: EE: Mx interlude; @ 1100 ID and nx (333 3/21 Blair-CA)
@ 1220 w/px abt Karl Marx University in Budapest (good 3/21
Ross-Nutt-JAPAN) (Almost psychic!-ed.) @ 1103 w/pop mx (343
3/25 Wakefield-IA)
- 17780 0745 KYOI: EE: Light pop mx; ID (322 3/24 Brown-HI)

MONGOLIA

Radio Ulan Bator

- 11990 1208 RUB: EE: W nx ending w/ID; mx bridge; M read magazine article;
//12015 under CC stn (Beijing-ed.) (252 3/1 D'Angelo-PA)
(Note: 12015 is actually the fundamental frq; 11990 is a
spur, even if it gives better reception!-ed.)

NEPAL

Radio Nepal

- 5005 1440 (p)RN: (p)NEPALI: "Bizarre" Tantric chants; w tlk; hrd here
most mornings (fr-gd 3/8 Howell-CA)

NEW ZEALAND

Radio New Zealand International

- 15150 0602 RNZI: EE: Nx in progress w/ID @ 0607 (333 3/12 Cichorek-NJ)
@ 0729 w/mx; TC/ID; then off till *0930 (333 3/12 Brown-
HI) (Almost psychic again!-ed.)
- 17705 0611 RNZI: EE: Light mx; "Ears" kids' show w/Wordsworth Rabbit
and Letterbox Lizard (444 3/21 Brown-HI) (What!! No teddy
bears?!-ed.) @ 0410 w/folk mx (252 4/1 Rogers-MA)

OMAN

BBC WS relay Radio Oman

- 11955 0315 BBC: EE: End of "News About Britain"; ID (222 3/26 Brown-HI)
- 15310 0740 BBC: EE: ID; sports nx (323 3/11 Miller-CA)
- 17735 2100 RO: AA: Westminster chimes; nx; mx; Qur'an @ 2120; stn ID/
anthem; 2130* (454 3/18 Card-RI)

PAKISTAN

Radio Pakistan

- 4940 0144 (t)RP KHAIPUR: URDU?: Mainly subcontinent mx; no pips or ID
at/near 0200; very weak after 0230 when mainly M tlk (242
3/5 Burnell-NF)
- 7290 0158 (t)RP: URDU: Mx to 0200; W nx in same format Pakistan uses
but no firm ID; heavy QRM (232 3/17 Kunkel-CA)
- 21595 1045 RP: IN: Polk mx; @ 1058 W ID/closing anmt; NA; 1100*; //17785
and 21475 (343 3/14 Matsushita-JAPAN)
- 21740 1608 RP: EE: W nx; partial ID; cmt; on Pakistan-China relations; TC
for "Pakistan Standard Time"; QSB and weak signal (poor 3/20
Famularo-JAPAN) @ 1605 w/w int'l/regional nx; cmt; @ 1615
ID/TC/frq anmt; then slow-speed EE nx (422 4/9 Cichorek-NJ)

PHILIPPINES

Radio Veritas Asia Far East Broadcast Corp
Voice of America relay

- 11820 1330 RVA: SINHALA: Fanfare; W ID in EE; then into Sinhala px; //
15220 (444 3/19 Matsushita-JAPAN)
- 11995 0858 FEEC: EE/??: IS; EE ID anmt; mx; into unID lang @ 0900 (333
3/19 Brown-HI) (Ed, the ILG lists Javanese as the *0900 lang
--no wonder you didn't recognize it!-ed.)
- 15220 1510 RVA: EE: Tlk abt products made in Japan; ID; health talks
(444 3/15 Miller-CA) @ 1401 in TAMIL w/M tlk abt Dalai Lama;
mx bridges; @ 1424 ID/address (343 3/22 Cichorek-NJ)
- 15225nf 1602 RVA: URDU: Prayers; mx; tlk; several ID's including one in EE
@ 1630* (444 3/7 Miller-CA)
- 15465 *1500 RVA: EE: IS; M ID/frq anmt; reading of pastoral letter from
Russia (232 4/9 Cichorek-NJ) @ 1503 w/tlk on relations be-
tween Philippines and Socialist nations (232 3/20 Wakefield)
- VOA relay in EE reported on 9575 @ 1820 (444 3/15 Brown-HI); 9760 @ 1330
(243 4/1 Rogers-MA); 11920 @ 1635 (343 3/29 Berri-CA) and 17820 @ 2240 (353
3/14 Kunkel-CA).

SAUDI ARABIA

Broadcast of the Kingdom of Saudi Arabia

- 9565 1630 (p)BSKSA: FARSI: Qur'an; AA mx; M tlks w/ments Iran; slight
co-chan RMWS (fr-gd 3/31 Famularo-JAPAN)
- 15060 0508 BSKSA: TURKISH: Nx w/many ments Mideast locations; ID @ 0510
(333 3/24 Wakefield-IA)

(No room to start Singapore here, so I'll just single out this month's new
A/O contributors for a special welcome: berhent-OH; bevans-MA; Cadorette-MA;
Carson-OK and Tunick-CT.)

SINGAPORE BBC relay logged on 3915 in VV (Kline-CA); on 9740 in EE (Brown-HI); on 11750 in EE (Blair-CA) and in BENGALI/EE (Miller-CA); on 15140 in EE (Flynn-CA) and on 15360 in EE (Brown-HI). SBC was logged in EE on 11940 by Brown-HI and Ross-Nutt-JAPAN.

SRI LANKA Sri Lanka Broadcasting Corporation

9720 1505 SLBC: EE: M nx; into px of pop mx; best on USB (232 3/16 Blair-CA) @ 1509 w/w px sked in lcl time; ID; light inst mx; some woodpecker QRM (fair 3/15 Famularo-JAPAN)
15425 0058 SLBC: EE: M ID; lcl TC; some pop songs (322 3/16 Thornton-NJ) (HAPPY BIRTHDAY, DON!-ed.) @ 1419 w/willis Conover jazz px (222 3/18 Cichorek-NJ) (Ed, you had this down as VOA via Philippines, but I rather think that it's SLBC playing a VOA transcription px.-ed.)

SYRIA Radio Damascus

12085 2005 RD: EE: M/w tlc; lcl mx (333 Langlois-FL) @ 2350 in SS w/ Mideast mx; ID @ 2358 (433 4/1 Rogers-MA)
17710nf 2130 RD: EE: W tlc; ID @ 2140...2158* (555! 4/2 Kunkel-CA) @ 2005 w/ID/frq anmts (this beamed to Europe); nx; //15095 poor (333 4/4 Cichorek-NJ) (Thanks for the new catch, guyst-ed.)

TAIWAN Voice of Asia Voice of Free China

7445 1100 VOA: EE: W ID; M nx; mx @ 1110 (222 4/6 Cichorek-NJ)
11915 *1500 VOPC: IN: ROC NA; W anmt; nx (333 3/25 Wakefield-IA)

TURKEY VO Turkey logged on 7250 in TK (Kunkel-CA); on 9445 in EE (Bevens-MA) (Carson-OK) (Rogers-MA); on 11925 in TK (Kunkel-CA); on 15050 in TK (Famularo-JAPAN) and on 17760 in EE (ed.)

UNITED ARAB EMIRATES

UAE Radio Dubai logged on 11730 in EE/AA (Flynn-CA) (Miller-CA); on 15300 in AA (Trescher-PA); and on 21605 in EE (Cichorek-NJ).
Voice of the UAE Abu Dhabi logged in EE on 11940 (Howell-CA) (New frq??-ed.) and on 11965 in EE/AA (Cichorek-NJ) (Fisher-MA).

VANUATU Radio Vanuatu

7260 0822 RV: EE/PD/BIALAMA: Multilingual rlg px w/mx, etc. (444 3/5 Kunkel-CA) (Wish this one made it back here!-ed.)

VIETNAM VO Vietnam logged in EE on 15050 by Cichorek-NJ and Radtke-CA.

YEMEN ARAB REPUBLIC Radio San'a

9780 0300 (t)RS: AA: Orchestral NA; brief anmt; Qur'an to 0320; then excited tlc (fair 4/3 Howell-CA)

CLANDESTINE

5409a 1215 VO NATIONAL ARMY OF DEMOCRATIC KAMPUCHEA: CAMBODIAN: Placid lcl mx selections w/w tlc between; exact frq closer to 5408 but use QRM there; ex-5200 (pr-fr 3/26 Famularo-JAPAN) (This one's brought to you by those friendly Khmer Rouge folks.-ed.)
17540 0140 VO UNITY: PASHTO?: Tlks; choral mx; marching w/drums; in clear w/no jamming; //15685 clear but weaker (343 3/8 Flynn-CA)

UNIDENTIFIED

4996a 1335 UNID LANG: Non-stop M tlc; no ID; any chance it's Mongolia? (243 3/16 Kunkel-CA) (Maybe--that's more likely, propagation-wise, than R. Andina from Peru, I think.-ed.)
6195 0300 UNID LANG: M/W ancrs sort of mixing tlc and chant; didn't seem to ID; strong signal w/het (fr-gd 3/8 Howell-CA) (Any ideas on either of these, folks?-ed.)

A rather full month, as you can see! I was hoping to have space to fit in some of Joerg Klingenfuss' loggings from his latest DXpedition, to Singapore and Indonesia, but it just wasn't in the cards.

Has anyone out there heard Tonga yet? They've begun using 5030 kHz to relay their HS, 1750-1000 UTC--but it's just 1 kW, with a dipole antenna --plus you've got to hope that R. Impacto turns the xmtr off at night! A real toughie, that one!

Let's meet back here next month, OK?

73- Bill

QSL REPORT



Ray Forsgren 4856 Inlet Drive Chippewa Falls, WI 54729

AFRICA

- ASCENSION ISLAND/ BBC Relay: 15400 date only cd in 5 wks for a SAE & \$1. (Wallace-MA).
- BURKINA FASO/ RTB: 4815 p/d ltr w/ sked in 106 ds for an irc. (CA-Kunkel).
- EGYPT/ R Cairo: 9850 & 9900 f/d Luxor Temple cd in 85 ds for an irc. (Kunkel-CA).
- GABON/ Africa #1: 4830 p/d Logo cd in 103 ds after 2nd f-up for a FF rpt & \$1. (Coday-CA). p/d Logo cd in 368 ds for a Tape, FF rpt, an irc & \$1. (Washburn-ME).
- KENYA/ Voice of Kenya: 4934 f/d aerogramme ltr in 66 ds for \$1. (CA-Coday).
- NAMIBIA/ Radio SWA: 3290 f/d Hoodia Vainsil cd w/ goodies in 108 ds for an irc. (Kunkel-CA).
- NIGER/ ORTN: 7155 f/d cd in 30 ds for a FF rpt & ms. V/S Yacouba Alwali. (Robinson-TN).
- NIGERIA/ VoN: 4990 f/d Airport cd w/ sked in 58 ds for an irc. (CA-Kunkel).
- RWANDA/ R Rwandaise: 3330 p/d cd w/ form ltr in 129 ds for a FF rpt & \$1. V/S Fidele Nkulikiyumukiza. (Archer-NC).
- SOUTH AFRICA/ Radio RSA: 9615 f/d Cape Town cd in 21 ds for 2 ircs. (Gears-IL). 15365 f/d Rhino cd in 21 ds for an irc. (Johnson-ID). f/d cd w/ sked in 22 ds (Gears-IL). R Orion: 3320 f/d Station cd w/ mucho goodies in 257 ds. V/S Bill Sharp. (Archer-NC).
- ZAMBIA/ ZBC: 4910 f/d white cd w/ ltr in 54 ds for ms. V/S P.N. Lungu. (George-MA).

ASIA

- CHINA/ R Beijing: 11715 f/d Mao Memorial cd w/ goodies in 40 ds (IL-Gears). f/d Kuming Lake cd w/ badge in 45 ds (Levison_PA). f/d HQ cd w/ calendar in 61 ds (Fischer-WI).
- CYPRUS/ BBC Relay: 6180 f/d Map cd w/ sticker in 1 mo for \$1. (MA-Wallace).
- INDONESIA/ RRI Manado: 3215 f/d personal ltr w/ pfc in 36 ds for an IN rpt & ms. V/S Danial Narande. (Archer-NC). RRI Jambi: 4927 f/d pfc w/ ltr in 38 ds for an IN rpt & ms. V/S Drs. H. Ali Amran and M. Yazad. (Archer-NC).
- ISRAEL/ KOL Israel: 7460 f/d cd w/ forms in 25 ds. (Bishop-NY).
- JAPAN/ NSB: 3945 f/d x'mitter cd in 212 ds for an irc. (Kunkel-CA).
- NORTH KOREA/ R Pyongyang: 11735 f/d flowers cd in 161 ds. Rpt mailed from Canada. (Washburn-ME).
- PAKISTAN/ R Pakistan: 11570 p/d Logo cd w/ sticker & ltr in 93 ds for an irc. (Gerstner-FL).
- PHILIPPINES/ R Veritas: 15220 f/d cd w/ rpt form in 30 ds. (Miller-CA).
- QATAR/ QBS: 11820 f/d Logo cd w/ booklet in 4 mo for ms. (Wallace-MA).
- SAUDI ARABIA/ BSKSA: 15060 f/d cd via registered mail for a taped rpt (Blight-MD).
- SINGAPORE/ BBC Relay: 15140 f/d Antennas cd in 13 ds for a tped rpt. (Flynn-CA).
- SOUTH KOREA/ R Korea: 15575 f/d Kites cd w/ goodies in 30 ds. (Bishop-NY).
- SRI LANKA/ TWR: 11920 f/d ltr in 18 ds for ms. V/S Vic Flaming. (ME-Washburn).

- SYRIA R Damascus: 7455 f/d Logo cd in 790 ds after 12 f-ups for ms. (Card-RI).
- TAIWAN Voice of Asia: 7445 f/d Memorial cd w/ pennant & stickers in 4 mo for 2 ircs. (Fisher-MA).
- TURKEY VoT: 9445 f/d Tapestry cd w/ goodies in 32 ds for an irc. (Gears-IL).
- U.A.E. Voice of the UAE: 9595 f/d folder cd w/ info in 40 ds (Card-RI). 11965 p/d folder in 3 wks for an irc. (Wallace-MA). p/d cd w/ sked in 26 ds for an irc. V/S Ahmed A. Shouly. (Weber-OH).
- YEMEN R San'a: 9779.36 p/d form ltr w/ p'card in 100 ds for 2 ircs. V/S Abdullah Farhan. (Eckert-PA).

EUROPE

- ALBANIA R Tirana: 9500 p/d Studio cd in 51 ds for 2 ircs. (ID-Johnson).
- AUSTRIA RAI: 6015 f/d Salzburg Costumes cd w/ sked in 30 ds (Gears-IL). 9875 f/d Gall Valley cd w/ forms in 30 ds. (Miller-CA). f/d cd w/ sked in 59 ds. (Levison-PA).
- BELGIUM BRT: 9925 & 21810 f/d Monument cd in 30 ds. (Miller-CA). 21810 f/d pictures cd w/ sked in 33 ds for an irc. (Gears-IL).
- BULGARIA R Sofia: 7115 f/d cd w/ goodies in 54 ds. (Miller-CA). 7400 f/d House cd w/ goodies in 59 ds for an irc. (Carson-OK). f/d Building cd w/ goodies in 59 ds for an irc. (Carson-OK).
- CZECHOSLOVAKIA R Prague: 5930 f/d Monastery cd w/ goodies in 48 ds for an irc. (Gears-IL).
- DENMARK R Denmark: 15165 f/d Flower cd in 21 ds. (Coday-CA).
- FRANCE RFI: 9800 f/d x'mitter cd w/ sked in 30 ds for 2 ircs. (IL-Gears).
- GERMAN FED. REP. DW: 6120 f/d Logo cd in 19 ds. (Gears-IL). n/d cd in 65 ds (Gears-IL). Bayerischer Rundfunk: 6085 p/d Logo cd in 105 ds for an irc. (Gerstner-FL).
- HUNGARY R Budapest: 11910 f/d Commemorative cd in ?? ds. (Robinson-TN).
- ITALY RAI: 9575 f/d Painting cd in 99 ds. (Gerstner-FL). f/d cd in 112 ds. (Brown-IL). AWR: 7257.4 f/d Map cd w/ sked in 24 ds for ms. (George-MA).
- MALTA V of Mediterranean: 9765 f/d Harbor cd in 2 mo for 2 ircs. (Allred-ECU). f/d cd in 97 ds for 2 ircs. (Flynn-CA).
- MONACO TWR: 9480 f/d Map cd w/ sked in 102 ds for 2 ircs. (Brown-IL).
- NETHERLANDS R Nederland: 9895 f/d cd in 17 ds. (Blight-MD).
- NORWAY RNI: 15310 f/d Oil Platform cd w/ sked in 28 ds (Gears-IL).
- POLAND R Polonia: 7270 f/d Logo cd in 30 ds. (Card-RI). f/d Village Square cd w/ pennant & sked in 143 ds. V/S Miroslaw Lubon. (PA-Levison).
- SPAIN REE: 9630 f/d Courtyard cd in 65 ds for a SS rpt & an irc. (Carson-OK). 9630 & 11880 f/d Fpuntain cd in 34 ds. (Miller-CA). 11880 f/d Grayda cd in 65 ds. (Bishop-NY).
- SWEDEN RSI: 11705 f/d Anniversary cd w/ goodies in 40 ds (Gears-IL).
- SWITZERLAND RSI: 6135 f/d Church cd in 18 ds for 2 ircs. (Gears-IL). 15430 f/d Record Library cd w/ sked in 17 ds for an irc. (Gears-IL).

U.S.S.R.

- R Kiev: 13645 f/d City Centre cd w/ sked in 73 ds. (Levison-PA).
- R Moscow: 17600-Tula; 15140-Dushanbe; 17740-Ashkhabad; 17675-Irkutsk; 17635-Tula; 17590-Kanga; 17570-Khabarovsk; 21790-Chita f/d cd in 7 wks. (Allred-ECU). 6000-Moscow f/d cd in 38 ds. (Levison-PA). 17680-Simferopol f/d cd in 210 ds. (Eckert-PA). 9780-Nikolayevsk on Amur f/d cd in 1 1/2 mo. (Wallace-MA).
- R Tallinn: 5925 p/d Market cd w/ sked in 96 ds for ms. (Archer-NC).
- R Tashkent: 15470 f/d cd in 140 ds for a Taped rpt. (Blight-MD).
- R Vilnius: 9640 f/d White cds in 103 ds for 2 ircs. (Carson-OK).
- R Yerevan: 9470 f/d Plain White cd w/ sked in 139 ds for a Tri rpt. (Cichorek-NJ).

NORTH AMERICA

- ALASKA KNLS: 6125 f/d Map cd w/ sticker & sked in 12 ds for ms. (OK-Carson).
- BELIZE Belize Radio 1: 3285 p/d Map cd in 77 ds for ms. (George-MA).
- CANADA CFRX: 6070 f/d Plans cd in 160 ds for an irc. V/S Ron Hopkin-Carson-OK). R Japan Relay: 5960 f/d Park cd w/ goodies in 28 ds for an irc. (Gears-IL). n/d cd w/ forms in 29 ds. (Bishop-NY).
- COSTA RICA UN Radio via RFPI: 21560 f/d Logo cd w/ sked & p'card in 12 ds (Cichorek-NJ).
- DOMINICAN REP Radio Mil via Radio Clarin: 11700 p/d ltr in 89 ds for a SS rpt & ms. This after f-up rpt. V/S Pedro Justiniano P. (Pa-D'Angelo).
- GUATEMALA TGNA: 3300 f/d cd w/ ltr in 14½ mo for \$1. V/S Mariella Posadas. (Eckert-PA). LV de Nahuala: 3360 f/d cd w/ ltr, pennant & stamps in 351 ds after f-up for a SS rpt & ms. V/S Juan Fidal Lepe Juarez. (Archer-NC). Radio Mam: 4825 p/d form ltr w/ xerox copy of pennant(?) in 26 ds for a SS rpt & \$1. V/S Jose Benito Escalante Ramos. (D'Angelo-PA).
- MEXICO XEW: 6165 f/d pfc w/ ltr & pennant in 72 ds for a SS rpt & \$1. V/S Miguel Angel Barrientos V. (Archer-NC). R Educacion: 6185 f/d Station cd w/ ltr in 30 ds for a SS rpt & \$1. V/S Gustavo Lopez. (Eckert-PA). f/d ltr in 287 ds after f-up for a SS rpt & ms. (Archer-NC).
- MONTSERAT DW Relay: 6145 & 9565 n/d cd in 38 ds. (Levison-PA).
- NETHERLANDS ANTILLES TWR: 9535 f/d Anniversary cd w/ goodies in 28 ds for an irc. V/S Sally Rork: (Gears-IL). RN Relay: 6165 f/d cd w/ many goodies in 36 ds. (Gears-IL).
- U.S.A. VoFC Relay: 5985 f/d Announcers cd w/ goodies in 34 ds. (IL-Gears). KUSW: 9815 f/d Logo cd w/ goodies in 10 ds for an irc. V/S Faith Martin. (Gears-IL).

OCEANIA

- AUSTRALIA VLM4: 4920 f/d cd w/ ltr in 54 ds for an irc. (Kunkel-CA). VLQ9: 9660 f/d cd in 2 mo for \$1. (Wallace-MA). R Australia: 17795 f/d Platypus cd w/ sked in 30 ds for 2 ircs. (Gears-IL).
- MARIANAS ISLANDS KPBS: 12025 f/d Map cd in 51 ds for ms. V/S Erna I. Kapileo. (Washburn-ME). KSDA: 11980 f/d Map cd in 49 ds for 2 ircs. (Johnson-ID). f/d cd in 51 ds for \$1. (Blight-MD).
- NEW ZEALAND RNZ1: 17705 f/d Soccer cd w/ sked in 30 ds for 3 ircs. (Gears-IL).
- PAPUA NEW GUINEA R North Solomons: 3325 f/d personal ltr in 30 ds for 2 ircs. V/S A.L. Rumina. (Allred-ECU).

SOUTH AMERICA

- ANTARCTICA LRA-36: 15476 f/d Map/Penguin cd in 82 ds for a SS rpt & \$1. V/S Raul Marcelo Navarro. (Cichorek-NJ).
- BOLIVIA R San Miguel: 3310.4 p/d personal ltr w/ pennant in 99 ds for a SS rpt & ms. V/S Hector Salas Takana. (Archer-NC).
- COLOMBIA LV Del Cinaruco: 4865 n/d ltr w/ pennant, sticker & info in 206 ds after f-up for a SS rpt & ms. (Archer-NC). LV Del Llano: 6116 f/d pfc in 740 ds after 8 f-ups for a SS rpt & ms. V/S Gloria Rodriguez. (Card-RI).
- ECUADOR HCJB: 6130 f/d Flowers cd in 34 ds (Johnson-ID). 6230 f/d Stamp cd in 22 ds for 2 ircs. (Gears-IL). 11775 f/d cd w/ sked & goodies in 31 ds for 2 ircs. (Gears-IL). 17790 f/d cd in 30 ds. (Blight-MD).
- FRENCH GUIANA RFI Relay: 11670 f/d site cd in 33 ds. (Washburn-ME). R Beijing Relay: 11695 f/d Kunming Lake cd in 6 wks. (Allred-ECU).
- PERU R Frecuencia Lider: 4418.4 f/d pfc w/ p'card, ltr & sked in 146 ds for a SS rpt & ms. V/S Oscar Peralta Rojas and Valentin Peralta. (Archer-NC).
- VENEZUELA R Valera: 4840 p/d Scenes cd w/ decal in 230 ds after f-up for a SS rpt & ms. V/S Jose Silinio Perez. (Archer-NC).

UTILITIES

- /HAWAII/ WWVH: 15000 f/d cd in 17 ds. (Blight-MD).
- /SWEDEN/ SAG: 8498 p/d Site cd w/ map cd, sked & sticker in 63 ds for ms. V/S Borje Nilsson. (George-MA).
- /SHIPS/ NNOCRW: 14467 f/d pfc in 105 ds for ms. (Gerstner-FL).

CLANDESTINES & PIRATES

- /SCOTLAND/ Weekend Music Radio: 6317 f/d cd w/ ltr & goodies in 48 ds for a tape & \$2. (Archer-NC). 6312 & 6317 f/d cds w/ goodies in 51 ds for \$1. V/S Jack Russel. (D'Angelo-PA).
- WJDI: 1620 p/d ltr w/ photo in 24 ds. (D'Angelo-PA).
- R Liberacion & Radio 15 de Septiembre: 5889 & 5930 p/d personal ltr in 48 ds for a SS rpt & \$1. V/S Alvaro Icaza Vargas. QTH: Centro de Informacion y Evaluacion, Apartado 348-1200, San Jose, Costa Rica. (D'Angelo-PA).

That's all from here for this month...where are all you Utes' hiding??? 73 & best,

Ray

WKND 1620

COMMERCIAL ~ FREE PIRATE RADIO

COMMENTS: 7.415 WAS

THE FIRST TIME ON
THIS FREQ IN THE
AREA SINCE HINT:
~ 15, 100 & 50 AS THANK
YOU FOR LISTENING

QSL

IN RESPONSE TO THE RECEPTION OF WKND BY:

Rien

DATE: VARIOUS

TIME: VARIOUS

POWER: 25 WATTS

ANT DIPOLE = 7.415. 6.240

Spike

OPERATOR



THE VOICE OF THE UNDERDOGS OF FREE RADIO

SISTEMA DE EMISORAS ATALAYA



Certifica que Michel P. Mahoney nos ha

SINTONIZADO en nuestra frecuencia 4760 ONDA CORTA

Guayaquil, 23 de Agosto 1988

(f.) Adrian Mendez

Utility Scene

Editor: Paul Lannuier, N2HIE

25 Mac Arthur Avenue, Closter, New Jersey 07624

Fixed Coastal and Naval Stations

KHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
2670.0	USB	USA	NOY3	Port Aransas, TX	0618	USCG. Short announcement	Symington-OH
4275.0	CW	Turkey	TBA5	Ankara Naval	0454	Turkish Naval. V marker	O'Connor-NH
4363.3	USB	USA	WOM	Miami Radio, FL	0645	Wkg 3EYK3 SS HOLIDAY on 4069.0	Symington-OH
5320.0	USB	USA	NMG	COMMSTA New Orleans, LA	0406	USCG. Wkg R8M	O'Connor-NH
6334.5	CW	USSR	UFM3	Novelsk Radio	2110	CQ & Wx	Conway-UK
6337.0	CW	Chile	CBV	Valparaiso Radio	2245	CQ Marker	Conway-UK
6339.8	CW	New Zealand	ZLO	Irirangi Naval	1731	"DE ZLO" marker. New frequency?	Conway-UK
6344.0	CW	Iceland	TFA	Reykjavik Radio	0800	CQ Marker	Conway-UK
6345.0	CW	Spain?	EBB	???	1026	V marker. Naval?	Conway-UK
6374.0	CW	Turkey	TBO3	Izmir Naval	2105	V Marker	Conway-UK
6375.0	CW	USSR	URB2	Klaipeda Radio	2000	Manual CQ	Conway-UK
6385.0	CW	Brazil	PPR	Rio Radio	2241	V marker	Conway-UK
6391.5	CW	Belgium	OSN	Ostende Naval	1031	Belgian Navy. V marker	Conway-UK
6418.0	CW	India	VTP5	Vishakhapatnam Naval	2052	V marker	Conway-UK
6428.5	CW	Australia	VIS	Sydney Radio	2054	V Marker. "Standby for longrange broadcast"	Conway-UK
6451.0	CW	South Korea	HLG	Seoul Radio	2211	Very long QTC list & manual t/c	Conway-UK
6456.0	CW	Canada	CKN	Vancouver Radio	0747	V marker	Conway-UK
6462.0	CW	Society Is.	FUM	Papeete Naval	0745	French Navy. V marker	Conway-UK
6464.0	CW	Australia	VIS3	Sydney Radio	1929	V Marker	Conway-UK
6470.0	CW	Greece	SXA24	Piraeus Naval	2308	Greek Navy. V marker	George-MA
6963.4	RTTY	USA	NMG	COMMSTA New Orleans, LA	0240	170/75R: USCG. Mix of clear & coded wx. & scrambled voice	Agner-MD
8441.4	CW	Malta	9HD	Malta Radio	0858	V Marker	Conway-UK
8445.0	CW	Zaire	9PA	Banana Radio	0425	V marker	O'Connor-NH
8515.0	CW	Libya	5AT	Tripoli Radio	0908	CQ marker	Conway-UK
8522.0	CW	Malaysia	9WW20	Kuching Radio	1641	CQ DE QSX Marker	Berri-CA
8538.4	CW	USA	KFS	San Francisco Radio	0911	CQ marker	Conway-UK
8589.0	CW	Panama	HPP	Panama Intelmar Radio	1035	CQ marker	Alexander-IA
8627.8	RTTY	Gibraltar	GYU	Gibraltar Naval	0245	850/75R: QBF tape	Agner-MD
8668.0	CW	Morocco	CNP	Casablanca Radio	2005	Cig CQ	George-MA
12658.0	CW	Japan	JNA	Tokyo Radio	2303	Cig CQ	O'Connor-NH
12663.0	CW	Chile	CBV	Valparaiso Radio	2305	Cig CQ	O'Connor-NH
12691.0	CW	Reunion	FUX	St. Denis Naval	0345	French Navy. V marker	George-MA
12709.0	CW	Barbados	8PO	Barbados Radio	2110	DE marker	George-MA
12775.0	CW	Mexico	XFU	Veracruz Radio	2326	Cig CQ	O'Connor-NH
12824.0	CW	Gibraltar	GYU	Gibraltar Naval	0122	RN. "DE GYU" tape. Slow & buried in QRM	Agner-MD
12828.0	CW	Philippines	DZF	Manila Radio	2335	Cig CQ	O'Connor-NH
12829.5	CW	Mexico	XFM	Manzanillo Radio	0901	Usual slow CQ marker	Conway-UK
12856.0	CW	China	XSG7	Shanghai Radio	1856	DE Marker	Berri-CA
13100.8	USB	Taiwan	BVA	Taipei Radio	1501	T/c list in Chinese	Blair-CA
16861.0	CW	Saudi Arabia	HZG	Dammam Radio	0245	DE Marker	Jones-TX
16868.5	CW	Singapore	9VG53	Singapore Radio	1836	Cig CQ	O'Connor-NH
16930.0	CW	Belgium	OSN16	Ostend Naval	1550	Belgian Navy. V Marker	Conway-UK
16987.0	CW	Hong Kong	VPS	Victoria Is. Radio	1140	DE marker	George-MA
17013.2	CW	Cyprus	SBA	Nicosia Radio	1900	Cig CQ	O'Connor-NH
17175.2	CW	Bahrain	A9M	Manama Radio	1921	DE marker	O'Connor-NH
17236.0	USB	Australia	VIS	Sydney Radio	2028	Wkg UNCLE WILLY	O'Connor-NH
17388.0	USB	Cyprus	SBA	Nicosia Radio	0340	VOICE marker in EE/GK	George-MA
22419.0	CW	Brazil	PPR	Rio Radio	2120	CQ marker & time pipe at 2130	Flynn-CA

Other Fixed Stations (including Aero and Meteo)

KHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
3860.0	LSB	USA	WA3NAN	Greenbelt, MD	....	Goddard Space Flight Center. Retransmitting shuttle audio	Alexander-PA
4722.0	USB	England	MVU	West Drayton Volmet	0408	RAF. Aero weather	Kerrigan-IL

5783.0	FAX	USA	NMN	NAVCOMMSTA SF, CA	0245	120/576: USN. Wx charts	Symington-OH
6805.0	RTTY	Poland	SOG280	Warsaw	0110	425/50R: PAP Nx in EE. Weak but copyable	Agner-MD
6830.0	RTTY	USSR	RDW72	Khabarovsk	1325	1000/50R: Coded meteo	Blair-CA
6873.0	LSB	USA	....	Greenville, NC	0544	VOA feeder in EE	Symington-OH
6904.0	FAX	USA	KGWC	Offut AFB, NE	1030	120/576: USAF. Wx charts	Symington-OH
7527.0	USB	USA	'Slingshot'	Miami, FL	0405	US Customs/DEA Aircraft Coordinating Center. Wkg 'Almighty'	Battles-NH
7552.0	USB	USA	WNFT417	Morristown, NJ	1913	Net Control (monthly HF net)	Battles-NH
7953.3	RTTY	Argentina	LRN85	Buenos Aires	0232	850/75N: DyN Nx in SS	Agner-MD
8070.3	RTTY	South Africa	ZRH22	Cape Town Naval	0100	850/75R: AMVER messages	Agner-MD
8122.8	RTTY	Congo	TNL	Brazzaville	0513	AFTN/ASECNA. RYRTRY and t/c	Alexander-IA
8123.5	CW	unknown	Y4P	unknown Military	0510	'LOAD QRA DE Y4P...' and 5-letter t/c	Alexander-IA
8140.0	RTTY	Cuba	CLN219	Havana	0905	425/50R: PL nx in EE	Alexander-IA
8175.0	RTTY	Japan	JAE58	Tokyo	1334	850/50R: KYODO nx in EE	Blair-CA
8861.0	USB	Brazil	....	Recife	0357	ICAO SAT-1 area. Wkg Dakar, Senegal	O'Connor-NH
8903.0	USB	Zaire	....	Kinshasa	2233	ICAO AFI-4 area. Wkg Luanda	George-MA
10072.0	USB	India	[AWB]	Bombay Air	1613	Bombay wx to Speedbird London	Conway-UK
10072.0	USB	England	....	London	1614	British Airways LDOC wkg SPEEDBIRD	Conway-UK
10220.5	RTTY	Cuba	CML28	Havana	2150	425/50R: Repeated messages to NY	Agner-MD
10295.0	RTTY	France	FSB	Paris	2150	ARQ: CW ID, idle tones, ARQ idle	Agner-MD
11120.0	FAX	USA	KAWN	Carwell AFB, TX	1800	120/576: USAF. Wx charts	Symington-OH
11387.0	USB	Australia	VLS	Sydney Volmet	1000	Unusually strong and clear	Calligan-CA
11507.0	RTTY	Sudan	STK	Khartoum	0120	425/50R: AFTN	Agner-MD
13200.0	RTTY	Easter Is.	CAI7E	Mataveru	0020	850/50N: AFTN. RYRTRY into messages	Agner-MD
13200.0	USB	Greenland	....	Thule AFB	0030	USAF GCCS. EAM Boat (off frequency)	Battles-NH
13338.0	USB	Saudi Arabia	....	Jeddah	1558	Wkg SAUDIA 121	Conway-UK
13354.5	USB	USA	....	San Francisco, CA	1940	ICAO CEP-5 area. Wkg DELTA 105	Berri-CA
13540.0	RTTY	Argentina	LRO81	Buenos Aires	0120	850/50R: TELAM Nx in SS. Good signal this late	Agner-MD
13580.0	RTTY	Korea	HMK25	Pyongyang	0400	200/50R: KCNA nx in EE	Blair-CA
13752.0	RTTY	Saudi Arabia	HZJ	Jeddah	0210	400/50R: Coded wx	Agner-MD
13803.0	RTTY	USSR	RCR78	Khabarovsk	0421	1000/50R: Coded meteo	Blair-CA
14497.7	RTTY	Azores	CSY66	Santa Maria	1556	425/50N: AFTN. Coded wx	Blair-CA
14511.5	RTTY	Hawaii	ABM6USA	Schofield Barracks	1745	170/75R: US Army/MARS	Blair-CA
14531.0	RTTY	USA	AGA3HQ	Scott AFB, IL	2125	Packet: USAF/MARS t/c, Connected to AFASSET	Berri-CA
14686.0	USB	USA	'Atlas'	Cedar Rapids, IA	1643	US Customs/DEA. Wkg FLINT 350 w/patch t/c	Battles-NH
14686.0	USB	USA	'Panther'	Nassau, Bahamas	1530	US Customs/DEA. Wkg 'Atlas', Washington DC	Blair-CA
14880.0	RTTY	Japan	JMG4	Tokyo	0331	850/50R: Coded meteo	Blair-CA
16106.5	RTTY	France	FPQ8	Paris	1225	400/50N: DIPLO Nx in FF	Agner-MD
17946.0	USB	Puerto Rico	....	San Juan	1653	ICAO NAT-A area	Flynn-CA
18785.0	RTTY	France	FTS78	Paris	1933	425/50N: DIPLO Nx in SS, sked for French? Off 1933 w/no ID	Agner-MD
19747.5	RTTY	Senegal	6VU79	Dakar	0015	850/75N: CQ tape, into coded wx	Agner-MD
20050.0	LSB	USA	'Acrobat'	Andrews AFB, MD	....	Wkg 'Gold Bloom Search' w/hand-off time info. 1/2 of pp duplex???	Battles-NH
20192.0	LSB	Unknown	....	Unknown	2213	Ascension or Antigua w/Shuttle Support. First day of mission	Alexander-PA
20198.3	LSB	Unknown	....	Unknown	1400	Ascension or Antigua w/Shuttle Support. Last day of mission	Alexander-PA
20482.5	RTTY	Philippines	....	Pero La Union	0230	425/75N: VOA in EE. Weak but copyable	Agner-MD

Aeronautical Mobile Stations

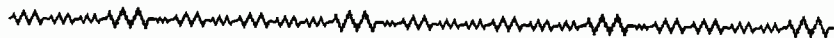
KHz	MODE	NAME	UTC	REMARKS	CONTRIBUTOR
5643.0	USB	NEW ZEALAND 136 (2) ...	....	ICAO SP-6 area. Position report to Sydney. Very weak	Calligan-CA
6640.0	USB	DELTA 104	0953	LDOC. Phone patch thru Honolulu	Calligan-CA
6655.0	USB	ALL NIPON 006	1207	ICAO NP-3 area. Position report to Honolulu	Calligan-CA
6655.0	USB	CANADIAN 8	....	ICAO NP-3 area. Position report to Tokyo	Calligan-CA
6655.0	USB	UNITED 828	1201	ICAO NP-3 area. Moved from 8951.0 fpr phone patch	Calligan-CA
6716.0	USB	SAM 60200	2357	USAF. Wkg Andrews AFB, MD	Alexander-PA
6731.0	USB	SAM 86970	0020	USAF. Wkg Andrews AFB, MD	Alexander-PA
6790.0	USB	SAM 86972	0326	USAF. Wkg Andrews AFB, MD	Alexander-PA
6812.0	USB	AIR FORCE 1	1526	Wkg Andrews AFB, MD	Palinkas-OH
6812.0	USB	SAM 27000	1745	USAF. Wkg Andrews AFB, MD	Palinkas-OH

6812.0	USB	SAM 27500	1738	USAF. Wkg Andrews AFB, MD	Palinkas-OH
6812.0	USB	SAM 60206	1911	USAF. Wkg Andrews AFB, MD	Alexander-PA
8861.0	USB	AIR AFRIQUE 792	0354	ICAO AFI-1 area. Position report to Dakar	O'Connor-NH
8864.0	USB	NAVY LV26	0400	ICAO NAT-B area. Wkg New York	O'Connor-NH
8867.0	USB	CANADIAN 33	1226	ICAO SP-7 area. Position report to Honolulu	Calligan-CA
8894.0	USB	AIR AFRIQUE 32	0125	ICAO AFI-2 area. Wkg Niamey	George-MA
8894.0	USB	SPEEDBIRD 33	0144	ICAO AFI-2 area. Wkg N'Djamena	George-MA
8894.0	USB	SPEEDBIRD 74	0122	ICAO AFI-2 area. Wkg Algiers	George-MA
8951.0	USB	NORTH WEST 8	1159	ICAO MID-3 area. Position report to Tokyo	Calligan-CA
8993.0	USB	CENTURY 40	1806	USAF/GCCS. Wkg MacDill AFB, FL	Palinkas-OH
9023.0	USB	BREWMASTER	1606	USAF/NORAD. Wkg YONDER OSCAR	Palinkas-OH
9023.0	USB	SIDECAR	1600	USAF/NORAD. Wkg YONDER OSCAR	Palinkas-OH
10780.0	USB	GAZETTE	0215	USAF/NASA. Wkg Ascension & Cape Radio w/tfc	Battles-NH
11055.0	USB	SAM 26000	1811	USAF. Wkg Andrews AFB, MD	Palinkas-OH
11179.0	USB	TITANIUM	0409	USAF GCCS. Wkg Hickam AFB, HI	O'Connor-NH
11234.0	USB	GIBAIR 102	1759	RAF. Wkg Gibraltar w/ops check	Battles-NH
11243.0	USB	PIG IRON	1655	USAF/SAC. Wkg OPEC 33	Palinkas-OH
11243.0	USB	RAZOR 73	1752	USAF/SAC. Wkg EGWHITE	Palinkas-OH
11300.0	USB	ZAMBIA 1921	2313	ICAO AFI-3 area. Wkg Cairo	George-MA
11410.0	LSB	MISSIONARY	1903	Wkg unid station w/SAC-type t/c. Data setup also mentioned	Battles-NH
13211.0	USB	BROWN RAT	0112	USAF/SAC. Wkg HOME TEAM & STRINGER on 'Sierra 312'	Battles-NH
14441.0	USB	US NAVY 404	0100	USN helicopter operating off of USS LEXINGTON	Gordon-CT
18666.0	USB	SWORDFISH 73	....	US Customs a/c wkg ATLAS (Collins) w/patch to USCG	Battles-NH

Maritime Mobile Stations

kHz	MODE	NAME	CALL	UTC	REMARKS	CONTRIBUTOR
2182.0	USB	CCGS HENRY LARSEN	CGHL	0413	CCG. Cig Stephenville	O'Connor-NH
2182.0	CW	YANKEE CLIPPER	....	0206	USCG	Jones-TX
2716.0	USB	HMCS MARGAREE	....	0910	Canadian Navy Warship. Wkg QHM Halifax	Gordon-CT
2716.0	USB	HMCS OJIBWA	....	2315	Canadian Navy Warship. Wkg QHM Halifax	Gordon-CT
2716.0	USB	HMCS SAGUENAY	....	0140	Canadian Navy Warship. Wkg Halifax Military	Gordon-CT
2716.0	USB	USS CARR	NCAR	1055	Cig Charleston Navy Tug Control	Gordon-CT
2716.0	USB	USS COMPT	....	....	....	....
2716.0	USB	DE GRASSE	NCDG	0950	Wkg Norfolk Tug Control	Gordon-CT
2716.0	USB	USS DONALD B. BEARY	NQUB	0045	Cig Norfolk Port Control	Gordon-CT
2716.0	USB	USS EXPLOIT	NREB	0015	Cig Newport Port Control Secondary	Gordon-CT
2716.0	USB	USS HAYLER	NRWH	1005	Wkg Norfolk Port Control	Gordon-CT
2716.0	USB	USS HERMITAGE	NRVF	0040	Cig for radio check	Gordon-CT
2716.0	USB	USS JOSEPH HEWES	NELP	1025	Cig Charleston Tug Control	Gordon-CT
2716.0	USB	USS LAWRENCE	NTQP	0945	Cig Norfolk Tug Control	Gordon-CT
2716.0	USB	USS MC CANDLESS	F5A	0230	Using tactical callign. Cig Roosevelt Roads Port Control	Gordon-CT
2716.0	USB	USS MILLER	NDIK	1155	Cig NAEC Lakehurst, NJ (Naval Air Emergency Engineering Center)	Gordon-CT
2716.0	USB	USS PETERSON	NGHY	0830	Cig Norfolk Tug Control	Gordon-CT
2716.0	USB	USS PHILIPPINE SEA	....	1055	Cig Newport Port Control. Brand new ship	Gordon-CT
2716.0	USB	USS SHARK	5PP	1100	Using tactical callign. Wkg Canaveral (3LI)	Gordon-CT
2716.0	USB	USS SIMPSON	NRWS	0130	Cig Newport Port Control	Gordon-CT
2716.0	USB	USS TRIPPE	NJEC	0430	Wkg Newport Port Control	Gordon-CT
4066.1	USB	USS HEWITT	NDDW	0325	Cig San Diego CSSI	Gordon-CT
4066.1	USB	USS STEIN	NDKB	0325	Cig San Diego CSSI	Gordon-CT
4189.0	CW	CORNER BROOK	D5OW	0400	Arrival report at Houston	Jones-TX
7535.0	USB	USS AYLWIN	NPHC	1920	Cig Norfolk SESEF	Gordon-CT
7535.0	USB	USS NORMANDY	....	1600	Pre-commissioned unit. used call 'PCU NORMANDY'. Cig Norfolk	Gordon-CT
8719.0	USB	USNS APACHE	NIGP	1315	Cig COMSUPRON-8	Gordon-CT
8719.0	USB	USNS POWHATON	NKXB	1400	Cig COMSUPRON-8	Gordon-CT
8719.0	USB	USS ADROIT	NCFR	2135	Wkg COMSUPRON-8	Gordon-CT
8719.0	USB	USS EDENTON	NXSF	1110	Radio check w/USF FORTIGY NQTN	Gordon-CT
8719.0	USB	USS FORTIFY	NQTN	1230	Radio check w/USF HOIST	Gordon-CT
12501.5	RTTY	M.T. ROSITA PACIFIC	LAIP2	1540	ARQ: Wkg WCC Chatham Radio w/telex t/c	Gerstner-FL
12504.5	RTTY	M/T BIRDIE	D5TZ	0137	ARQ: Wkg NMN Portsmouth Radio	Berri-CA
12504.5	RTTY	MEDALLION	OYEX2	0013	ARQ: Wkg NMN Portsmouth Radio	Gerstner-FL
12504.5	RTTY	SS STELLA LYKES	WJGH	2012	ARQ: Wkg NMN Portsmouth w/telex t/c	Gerstner-FL
12505.5	RTTY	EXXON PRINCETON	WQDB	2300	ARQ: Wkg WLO Mobile Radio w/telex t/c	Gerstner-FL
12505.5	RTTY	M.S. CELEBRATION	ELFT8	2051	ARQ: Wkg WLO Mobile Radio w/telex t/c	Gerstner-FL
12516.0	RTTY	TKH VOLNA	EREB	0140	170/100N: T/c to Vladivostok	Berri-CA
12566.0	CW	SINDIA	3EV56	0345	Wkg NMN Portsmouth Radio	Jones-TX
13826.0	USB	(mobile deployed unit)	NNNOCXO-1	1350	(Deployed from USNS HARKNESS) Wkg NNNOPMN	Gordon-CT

13826.0	USB	USS UNDERWOOD	NNN0CAK	2015	Wkg NNN0CVZ	Gordon-CT
14441.5	USB	USS ACADIA	NNN0CWJ	0245	Wkg NNN0ZLI	Gordon-CT
14441.5	USB	USS CHARLES F. ADAMS	NNN0CMJ	1900	Wkg NNN0XTF	Gordon-CT
14441.5	USB	USS CONYNGHAM	NNN0CZD	1940	Cig 'any stateside MARS'	Gordon-CT
14441.5	USB	USS FEARLESS	NNN0NXR	2210	Cig 'any stateside MARS'	Gordon-CT
14441.5	USB	USS HARLAN COUNTY	NNN0CVI	0040	Cig 'any stateside MARS'	Gordon-CT
14441.5	USB	USS JOHN ROGERS	NNN0CXD	0215	Wkg NNN0EDF	Gordon-CT
14441.5	USB	USS KANSAS CITY	NNN0CPN	0125	Cig 'any stateside MARS'	Gordon-CT
14441.5	USB	USS PUGET SOUND	NNN0CUZ	2030	Wkg NNN0CSN	Gordon-CT
14441.5	USB	USS RACINE	"Racine"	0120	Wkg NNN0NUW. (Not assigned MARS callsign)	Gordon-CT
14441.5	USB	USS YORKTOWN	NNN0CYT	1940	Wkg NNN0CZY USS HAYLER	Gordon-CT
14463.5	USB	USS WISCONSIN	NNN0CWI	2000	Wkg NNN0PRQ	Gordon-CT
14467.0	USB	USS CORAL SEA	NNN0NZQ	0047	Wkg NNN0TSO	Palinkas-OH
14470.0	USB	USS BAINBRIDGE	NNN0CNP	0010	Wkg NNN0PRQ	Gordon-CT
14470.0	USB	USS RALEIGH	NNN0COA	0030	Wkg NNN0KRQ	Gordon-CT
14483.5	USB	USS NICHOLSON	NNN0CXE	2130	Wkg NNN0KRQ	Palinkas-OH
14818.5	USB	USCGC IRONWOOD	NNN0CQT	0230	Wkg NNN0NUW	Gordon-CT
16463.1	USB	ARKLOW ROSE	EIJN	2028	Wkg GKT62 Portishead Radio	O'Connor-NH
16463.1	USB	HMS BIRMINGHAM	....	1846	Wkg GKT62 Portishead Radio	O'Connor-NH
16463.1	USB	HMS BRILLIANT	GWJ	2000	Wkg GKT62 Portishead Radio	O'Connor-NH
16463.1	USB	HMS LIVERPOOL	....	1805	Wkg GKT62 Portishead Radio	O'Connor-NH
16463.1	USB	HMS YORK	GBBB	2023	Wkg GKT62 Portishead Radio	O'Connor-NH
16463.1	USB	TRINIDAD AND TOBAGO	C6BB	2044	Wkg GKT62 Portishead Radio	O'Connor-NH
16587.1	USB	EXXON CHARLESTON	....	1829	Wkg KHT w/phone patch t/c	Gerstner-FL
16587.1	USB	OVERSEAS OHIO	WJBG	1527	Wkg KHT w/phone patch t/c	Gerstner-FL
16587.1	USB	SEALAND EXPEDITION	WPGJ	1359	Wkg SEALAND ACHIEVER	Gerstner-FL
16662.5	RTTY	KUDO	3EYB6	1809	ARQ: Wkg WLO Mobile Radio w/telex t/c	Gerstner-FL
16664.5	RTTY	M/S DENEB	9VJE	1328	ARQ: Telex t/c	Gerstner-FL
16667.5	RTTY	EBRO	6ZCQ	2002	ARQ: Wkg WLO Mobile Radio w/telex t/c	Gerstner-FL
16669.0	RTTY	EMMA MAERSK	OYUQ2	1653	ARQ: Telex t/c	Gerstner-FL
16670.5	RTTY	MASHU REEFER	3EOQ5	1800	ARQ: Wkg WCC Chatham Radio w/telex t/c	Gerstner-FL
16670.5	RTTY	WEST VIRGINIA	H9LS	1410	ARQ: Wkg WCC Chatham Radio w/telex t/c	Gerstner-FL
16672.5	RTTY	CUNARD COUNTESS	GUNP	1433	ARQ: Wkg WLO Mobile Radio w/telex t/c	Gerstner-FL
16768.0	CW	EAST BAY	ELCV5	0118	Wkg NNN Portsmouth Radio	Jones-TX
21224.0	USB	EXPORT FREEDOM	WCJS	1519	Cig SAM HOUSTON, no reply	Conway-UK
21224.0	USB	ROBERT E. LEE	KCRD	1355	Cig SAM HOUSTON, no reply	Conway-UK
21224.0	USB	SAM HOUSTON	KDGA	1452	Cig ROBERT E. LEE, no reply	Conway-UK
22193.0	RTTY	MV CANTERBURY STAR	GFMS	1531	ARQ: Telex t/c via Portishead Radio	Gerstner-FL
22193.5	RTTY	ATLANTIC STAR	7KWV	1420	ARQ: Telex t/c via Portishead Radio	Gerstner-FL
22196.5	RTTY	MV ANTARTICO	DHVV	1442	ARQ: Telex t/c via Valparaiso Radio	Gerstner-FL
22222.0	RTTY	M/V AMPITRITI	J4BM	1405	ARQ: Telex t/c	Gerstner-FL



SOVIET MERCHANT SHIPS EXTENSIVELY USE HIGH FREQUENCY RTTY communications, and with a little time, effort and patience anyone with modest RTTY equipment can listen in. Two very good ship lists are available for the listener, both put together by regular SPEEDX contributors.

Jason Berri's USSR MERCHANT SHIP LIST (version 3.01) is a compilation of information gathered from actual ship transmissions. The UMSL details the transmission format used by the Soviet vessels, and provides a list of recently heard ships. Each logging includes the ship's call sign, name, home port, serial number (message header ID) and type. Also given is log info (date & source). The 59-page is available for \$6.00 postpaid from Jason Berri, 21240 S. Western Avenue, Apt. 18, Torrance, CA 90501.

Art Blair has also gathered a large amount of Soviet ship information and distributes it in computer printout form. The sample list that I received, dated March 89, is 103-pages long and contains 4 categories: Call, Name, Type and Port of Registry. This is very similar in content to Jason's list and comparatively larger in volume, although Art does not get into the detailed description of transmissions covered by Berri. It's available for \$8.00 postpaid from Art Blair, 71 Surrey St., San Francisco, CA 94131

At the time of this writing, I have been told by Tom Roach that he too is putting together his own guide to Soviet ships. Tom states that with the excellent receivers and computer-related equipment available today, he has been able to "monitor the activities of the Soviet space program tracking ships, gather details on Soviet flights into and out of Cuba (many heading for Managua, Nicaragua), discover warnings of nuclear 'war games' and artillery firings, read weather reports from Soviet ships at sea and gather information on Soviet fishing fleet activities." Roach also suggests that the Soviet "KRIPTOGRAMMA" messages may too be penetrable. All this was accomplished with no ability to speak or read Russian. "In the book I will lay out in some detail the equipment and analysis techniques that will enable one to uncover the information of the sort mentioned above. The reader will find when and where to tune his or her shortwave receiver to monitor these

communications. I suspect many will be surprised at the volume of exploitable Soviet radio traffic that can be heard around the clock. The techniques I detail can be applied to communications other than those of the Soviets, for those readers who may wish to focus their efforts on different targets."

I wish to thank Tom for passing along this information, and look forward to seeing the finished product. Also thanks to Jason Berri and Art Blair: Very good work, gentlemen.

BILL BATTLES (NH) SENDS ALONG SOME TACTICAL frequency identifiers used by the USAF Strategic Air Command (SAC):

Frequency	Identifier
6757.0 kHz	WHISKEY 103
13247.0 kHz	WHISKEY 109
9017.0 kHz	X-RAY 904
11226.0 kHz	X-RAY 905
11243.0 kHz	SIERRA 393
13211.0 kHz	SIERRA 312

SAC also uses FOX 28 (10493.0 kHz) when working FEMA HF nets. Bill states that he has only heard 2 of the new X-RAY identifiers but has heard at least 8 or 10 of the WHISKEYs mentioned while listening to SAC on HF. He also requests information about the US Coast Guard "BRAVO" frequencies used for law enforcement patrols. BRAVO 08 and 09 are used almost daily on the East Coast, but he hasn't found anyone who knows which frequencies these are.

ONLY A FEW READERS APPEARED TO HAVE NOTICED my April Fools logging last month, even though it stuck out like a sore thumb! Sorry, no prizes for finding it.



CONTRIBUTORS - MAY 1989 :

Brian Alexander - Mechanicsburg, PA
Rodney Alexander - Clinton, IA
Mike Agner - Baltimore, MD (R7A / RV75, M-600A)
Bill Battles - East Kingston, NH
Jason Berri - Torrance, CA (R-2000, ATS-803)
Art Blair - San Francisco, CA (NRD-515, M-7000)
Norm Cadorette - MA
Michael Calligan - Laguna Niguel, CA (Satellite 650, ICF-2010)
Peter Conway - East Sussex, England (TS-930S)
Bill Flynn - CA
Steve George - MA
John Gerstner - Palm Bay, FL (DX-1000)
Andy Gordon - West Hartford, CT (NRD-525, ICF-2010)
Brian Jones - San Antonio, TX (R-70)
Patrick Kerrigan - IL
Patrick O'Connor - Hinsdale, NH (R-71A)
John Palinkas - Painesville, OH (R-5000, ARA-30)
Tom Roach - San Jose, CA

WHAT? STILL ROOM ON THE PAGE? Oh well, guess I must ramble on again.... With any luck NASA will get another shuttle off the pad this Friday (April 28). As stated a few columns ago the payload will include the Magellan probe, the United States' first planetary space probe in ages. Too bad I'm going to miss the launch, because I'm going to be at that great festival of radio decadence, the Dayton HamVention. The last two times I was there I came back empty handed. This year I'll probably come back with an empty wallet... The explosion aboard the USS IOWA occurred shortly before deadline time, but I expect there to be some loggings coming in soon for next month's issue. With my HF antennas in various stages of disassembly for Spring maintenance I did not get to check the bands for USN activity... Anyone out there do any VHF and UHF DXing? Conditions are pretty good so far this spring, and it's a great alternative when HF goes dead. And that seems to be a common occurrence these days... Is it the bottom of the page yet???

73 until June!

Paul

SPEEDH BOARD OF DIRECTORS, 1988-1989:

President: PEGGY THOMPSON
Vice-President: JOHN TRAUTSCHOLD
Directors: RICHARD D'ANGELO, CARL HOFFAKER, and
WILLIAM WESTENHAVER

MAGAZINE AND SOCIETY STAFF:

Business Manager/Treasurer: BOB THUNBERG
Publisher: ED JANUSZ
Senior Editors: DANIEL SAMPPSON and WOODY SEYMOUR
Editors: JASON BERRI, RAY FORSGREN, CARL HOFFAKER, ED
JANUSZ, PAUL LANNUIER, BRUCE MACGIBBON, AL QUAGLIERI,
THOMAS SABLE, JOHN TRAUTSCHOLD, WILLIAM WESTENHAVER,
and KENT WILLIS
Membership Chairman: JOHN TRAUTSCHOLD
Awards Chairman: HAROLD WOERRING
Central Distribution Editor: DAVID JONES
2120-C MOCKINGBIRD LANE
BOX 8
SPRINGFIELD, TENNESSEE 37172, USA

SUBSCRIPTION / MEMBERSHIP FEES:

USA (First Class Mail) \$20.00
Canada / Mexico (A0 Airmail) \$20.00
Central America / Caribbean (A0 Airmail) \$26.00
Europe / South America (A0 Airmail) \$30.00
Africa / USSR / Asia / Oceania (A0 Airmail) \$34.00
Outside North America (Surface Mail) \$20.00
Subscription payments in \$US only to SPEEDH, Box 196, Dubois, PA 15801
Please send all renewals, new memberships and changes of address to
SPEEDH HQ in Dubois, PA.



SPEEDH (ISSN 0882-8091) is published monthly by SPEEDH, Dubois, PA, a non-profit, volunteer hobby organization founded in 1971. SPEEDH is a member of the Association of North American Radio Clubs (ANARC). Opinions expressed by the contributors do not necessarily reflect the views of the Board of Directors, staff or membership. Original material copyright 1989 by SPEEDH. Permission is granted to reprint material from this magazine (except material which is copyrighted by other sources) provided credit is given to SPEEDH and the original source.

SPEEDH

P.O. Box 196
Dubois, PA 15801-0196
United States of America

FIRST CLASS MAIL
UNITED STATES POSTAGE
PAID
Bricktown, NJ 08723
Permit No. 101

Al Quaglieri 8906
P.O. Box 888
Albany, NY 12201-0888

FIRST-CLASS MAIL

TIME VALUE MATERIAL...PLEASE DO NOT DELAY!