



# SPEEDX

SEPTEMBER 1987

Volume 17, Number 9

AAWK! ATTENTION!  
UNO CINCO DOS QUATRO...  
SPARKY WANTS A  
PEANUT!



LEFT UNWATCHED, THE CIA'S  
RADIO ROOM MASCOT SOON  
GOT INTO SOME MISCHIEF

Cover Art by Michael Nowicki-CA

## THIS MONTH:

- |                            |                        |
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## AND...

1987

### B.O.D. ELECTION

see page 2 for  
details...ballot  
is on page 47!

The Magazine for Active Radio Monitors



## BOARD OF DIRECTORS ELECTION

The calendar shows September of an odd-numbered year, so it's time for the 1987 Board of Directors election. As specified in the SPEEDX Constitution, Full Members of the Society are eligible to vote in this election. Your membership status for the purpose of voting includes this issue's contributions, so the six new Full Members listed in "SPEEDX Spotlights" this month may cast ballots in this election.

There are eight members running in this year's election. They are, in alphabetical order:

**Ralph S. Bowden**  
**Richard A. D'Angelo**  
**Carl Huffaker**  
**David B. Jones**  
**Richard Lemke**  
**Peggy Thompson**  
**Ron Trotto**

**William E. Westenhaver**

Statements from seven of the candidates appeared in last month's "DX Montage". William Westenhaver's statement is in this month's "DX Montage" column.

The top two vote-getters will receive four-year terms on the Board of Directors. The third-place candidate will receive a two-year term. Terms will begin January 1, 1988.

The official ballot for the 1987 Board of Directors election is on page 47. **Only Full Members may use this ballot!** If you are a Full Member, your mailing label will have "FULL MEMBER" printed at the top this month. If you believe you are a Full Member, but your label doesn't show it, contact Membership Chairman **John Trautschold** immediately. His address is: 354 North Winston Drive, Palatine, IL 60067-4132. **Only whole, original ballots will be accepted**, no reproductions, and ballots must be initialed by the voter.

Send completed ballots to BOD President Jack Sanderson, 7738 East Hampton Street, Tucson, AZ 85715-4212. Ballots must be received by midnight (Mountain Time) on **October 15, 1987**, to be valid. Results should be available in the November "Keynotes".

## STAFF NEWS

• **Murphy** (of Murphy's Law fame) is alive and well in Albany, New York! After trying two different print shops in Albany, **Al Quaglieri** and I decided to transfer the publishing duties back to me in Mt. Pleasant. The delays and uncertain quality of the final product from the printers (for example, the over-reduction of the copy last month) made Al's efforts somewhat futile.

I must emphasize that this was a joint decision by Al and me. Al put in 15 to 20 hours each week as publisher, much of it caused by having to double-check everything the printer was doing. I thank Al for his four months as publisher.

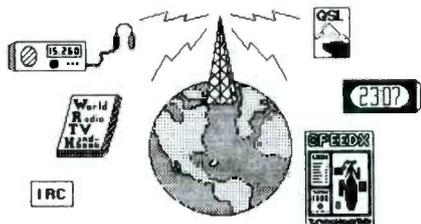
Al continues as editor of "Africa", of course, and now that he has more time on his hands again, you should swamp him with loggings, hi!

• We have two new Assistant Editors. Please welcome **Richard Lemke** and **Fred Trescher** to the SPEEDX staff. They will be filling in for vacationing editors and working on club projects. Assistant Editor **Jason Berri** will be editing a new column for SPEEDX beginning in November...look for details next month.

## RENEWAL NOTICES

The U.S. Postal Service recently reminded SPEEDX that inserts may not be included in publications mailed First-Class. This includes renewal notices and ballots, hence the printing of this year's election ballot on page 47. Now, they might not ever check again, but if they did, they would send all magazines with any type of loose insert to the return address instead of the member, which would cause a delay. So, beginning this month, the renewal notice form will be printed on the **inside back cover** of every issue. Your mailing label will inform you when your subscription expires, as always, plus special notices will appear on the label when your subscription has two months left, and when you have received your last issue. The renewal form may be used as is, or you may send a facsimile of the form if you would prefer.

That's all for "Keynotes". On to "Montage"!



## DX Montage

The Feature Pages of SPEEDX

ooo

TEMPORARY EDITOR

Tom Kephart

14-G Kensington Circle

Mt. Pleasant, MI 48858-9174

Welcome to "DX Montage" from your temporary editor! Originally, I had planned on editing this column, but since I've resumed the publishing duties, I don't feel it would be fair to the column's contributors to continue...I just won't have the time to do a good job. So next month, a new editor will be introduced, but I don't know who it is yet, hi! Send all contributions to me, though, and I will forward them to the replacement editor. Meanwhile, let's get into this month's news and features.

The Board of Directors elections are this month. See "Keynotes" this month for more information. One final election statement was received at Business Headquarters before the August 15th deadline:

**WILLIAM E. WESTENHAVER:** My name may be familiar to many of you from my contributions to the magazine over the past two years. I've enjoyed belonging to SPEEDX because the magazine is truly "for active SWLs", and I've tried to help the club with my contributions. I would appreciate the opportunity, and the privilege, of helping the club further through being a member of the Board of Directors. Thank you in advance for your support.

**JULY CONTEST PAGE RESULTS:** I'm going to hold off on any new contest questions this month, in order to let our new editor decide what he wants to do in this area. Here are, however, the answers to the questions posed by David Sharp in the July column.

**LANGUAGE ID** The Finnish phrase to be translated was "Voitteko suositella jotakin auringonpolttamaan?" Of course, it means "Have you any suntan lotion?" No one got this right, although I don't really know why. Maybe because we don't have any Finnish members?

**TERMINOLOGY TEASER** The term applied to radio interference that is external, not internal, is "QRM". No takers here.

**GEOGRAPHY QUIZ** Bill Romberg-WI knew that the country described by David in July was the United Arab Emirates.

**GUESS WHICH STATE** Nobody answered "Toledo", which would have been wrong, naturally. Nobody answered "Alaska", either, which was right. The postal abbreviation "AK" is a naval radio code for a cargo ship.

**PIN THE TAIL ON YE ED** Which government broadcasts the most hours per week on shortwave? It's the United States, according to recent research by the BBC. The Soviet Union is now second. Everyone guessed the U.S.S.R., though! Evidently the shift occurred with the inaugurations of Radio Marti and VOA-Europe.

**SHORTWAVE POPULARITY CONTEST:** David Sharp will be compiling the results of the annual popularity poll and sending them along for inclusion in an upcoming "DX Montage". Here are the nine questions; answer any or all of them.

1. What are your five favorite international shortwave stations?
2. What are your three favorite tropical bands stations?
3. Which station provides the best news coverage of international events?
4. Which station give the best news coverage of events in their area?
5. What are your five favorite shortwave programs?
6. What station has the most interesting interval signal?
7. Which station, on the average, issues the most attractive QSL cards?
8. Who are your three favorite shortwave personalities?
9. Which shortwave station do you listen to the least?

Deadline for sending entries for this year's poll is September 12. Mail them to David at 3024 Gates Drive, Apt. 358, Tampa, FL 33613.

**NEW LATIN AMERICAN REFERENCE AVAILABLE:** Radio Nuevo Mundo, the Japanese DX club that specializes in Latin American DX, has a new edition of their "LA DXing" guide off the presses. It's 293 pages of schedules, verification signers and addresses, station identifications. Over fifty individual station profiles, mostly from Colombia and Central America. It also features some unique trivia, such as "which station in Latin America has the largest target area?" No, it's not HCJB, or Radiobras, but Radio Inca del Perú, which broadcasts (according to their slogan, anyway) "to the earth and all the solar system." Airmail delivery is US\$18, DM33, or £11, payable by international postal money order or direct to postal giro account Tokyo 8-89806 HIRAHARA (no checks). Send orders to Takayuki Inoue, 18-11 Fujimi-cho, Hachioji-shi, Tokyo 192, JAPAN. Mention SPEEDX!

**COMPUTERS AND DXING?** Bill Flynn-CA doesn't see the usefulness of computers in the radio shack. "Not yet," he continues. "Much too expensive for the average DXer to use bulletin boards. Tried a [Commodore] 64 in shack - too much radio frequency interference! Takes very sophisticated programming and much, much memory to be really helpful. Maybe in another ten years...by then they may be part of the receiver!"

I couldn't agree more on the RFI point, Bill. My Macintosh, despite being FCC-type listed, creates just enough noise to make anything but VOA and BBC inaudible! But I do find it useful in sorting loggings, keeping records, printing reception reports, and so on. I don't have a modem, so I also cannot access bulletin boards (and that equipment is still rather pricey). There are, however, microprocessors already on-board several current receivers, and computer interfaces to these receivers are also available. Plus, digital frequency displays, which are standard equipment these days, are made possible by computer technology. I like having the computer handle the tedious record-keeping, but would hate to have it "turning the knob" for me!

What do you think? Drop "DX Montage" a line today!

**ALISTAIR COOKE READS HISTORIC "LETTER":** [From Reuters, via Los Angeles Times, June 19] NEW YORK - It was business as usual this week for Alistair Cooke, the erudite British-born elder statesman of radio, as he sat down in the BBC studio here to read his 2,000th "Letter From America".

The series - said to be radio's longest-running by a single correspondent - began in March, 1946, when the United States and its allies were scrambling to recover from the devastation of World War II.

Originally, Cooke was told the BBC could only afford 13, or at most 26, of the weekly reports because it could not convert any more sterling to dollars to pay him. More than 41 years later, the broadcast continues - and Cooke continues to be paid.

In the intervening years, Cooke's weekly radio journal has provided listeners around the globe with vivid observations of America, ranging from the vanity of super-power summitry to a New York judge who read nursery rhymes to his jury.

The 78-year-old, Blackpool-born son of a metalworker claims that his British upbringing enabled him to "always have an eye cocked for what is distinctly American." He says with pride he has not missed a single week of the program, twice broadcasting from the hospital. When asked to explain how some 2,142 weeks had elapsed since the show's first month, Cooke admits that twice, in 1963 and 1965, he traveled the globe recording a "Letter From the World." [Submitted by James Kline-CA]

**OPEN LETTER TO CHIEF ENGINEERS:** *(Please accept the following letter in its full facetiousness...but its truthful plea just may stir some activity - and smiles. Mason Bair-CA).* "TO: All Chief Engineers, RE: Female Announcers. Let's have a world-wide contest between all station chief engineers from Albania to Zimbabwe. A contest to be the first C.E. to invent a microphone-to-receiver augmentation which will allow the listener to understand the spoken word.

"As we know, a female voice, when broadcast, starts out clean and clear. But when it reaches the listener, the auditory aspects of the lady's voice has deteriorated into an unintelligible muffled mulch.

"A few suggestions:

1. A lowpass filter on the console which will clarify the voice. This could be an automatic cut-in which would "hear" the announcer's voice, determine if it's male or female, and switch in the appropriate filtering.
2. If automatic filtering cannot be instituted, a manual toggle labeled "M/F" on the board?
3. A device which would combine the male and female vocal ranges into a homogenized output that would match every receiver manufacturer's audio specifications.
4. Legalize anabolic steroids for female announcers. In this way, the vocal ranges would be compatible with existing audio circuitry.

"The winner of this competition would receive more reception reports, a greater listening audience, and the undying gratitude of every SWL around the world. Come on, engineers...your audience awaits your response."

If I understand you, Mason, the problem isn't the female announcers (at least I hope that's what you mean, hi!). On Top-Forty FM stations, the signals are often processed and equalized to within hertz of their lives. When I was announcing, I didn't sound anything like myself after the Optimod got through with me. I'd guess the larger stations are using some sort of processing, although whether they tailor it to each individual voice, I have no idea. Smaller stations probably can't afford processing equipment. Does anyone know what type of equalization and signal processing is used by VOA, BBC, and so on?

**CUBAN STATIONS WIPE OUT KSL, WHO:** [From UPI, via Commerical Appeal (TN), July 23] WASHINGTON - High-powered Cuban radio transmitters knocked two clear channel stations in Iowa and Utah almost entirely off the air for six hours recently, prompting the FCC to alert the State Department.

The interference, apparent retaliation for the Voice of America's Radio Marti broadcasts to Cuba, was aimed at WHO in Des Moines - the station where President Reagan once worked as a sportscaster - and KSL in Salt Lake City.

The Federal Communications Commission said Cuba may have used as much as 300,000 watts of power to drown the 50,000-watt clear channel stations. [Submitted by David Jones-TN]

**SHORT STOPS:** Riot police dispersed hundreds of rock-throwers who had joined in new anti-government protests in Panama City, while a group of armed men set fire to a building owned by the publishers of an opposition newspaper as the police looked on. Authorities later ordered Radio Mundial, a privately owned opposition station, closed for allegedly inciting public disorders...A fierce wave band dispute between Vatican Radio and four private Rome FM stations has flared into violence with arson attacks against religious targets. The dispute was caused by Vatican Radio's decision to change its frequencies to conform with an international agreement...A British radio broadcaster was suspended in June after saying on the air that Princess Diana was "a bit of a dog", and that Sarah Ferguson, the Duchess of York, was frumpy and overweight. Foley later quipped: "I don't really see what all the fuss is about. I don't think that by marrying princes two people become the world's most beautiful women." [All submitted by **James Kline-CA**, from the Los Angeles Times]

**A BETTER GROUND SYSTEM:** [From World Radio magazine] Scientists working on an Army Grounding Analysis project have shown that grounding with the standard six-foot metal rod, or even several rods in parallel, is often unsafe and more often inadequate for good low-noise communications.

They have found that a better ground can be established by stapling a 100-foot length of standard 1/8-inch stranded steel wire to the earth every four feet with six-inch pegs. A three pound hammer should be sufficient to drive in the pegs. Tests at all sites in the country show the surface wire to be 32 to 95 percent more efficient than the six-foot grounding rod. [Submitted by **Jack Heaton-PL**]

David Sharp sent a large amount of material to me, and I will forward all of it, plus any I receive in the next month, to the new editor. While we welcome news clippings, we'd welcome your original articles even more! Participate in a friendly discussion with your fellow members...bring up a topic, as Mason Bair and Bill Flynn have this month. Get involved in SPEEDX...the club for active radio monitors!

Best of DX until next month's "Keynotes".

S P E E D X   A N N U A L   F I N A N C I A L   R E P O R T  
FY 1987

THIS IS A SUMMARY OF THE SPEEDX ACCOUNT FROM 1 JULY 1986 THROUGH 30 JUNE 1987 INCLUSIVE. A MORE DETAILED FINANCIAL REPORT IS PROVIDED TO EACH BOARD OF DIRECTOR MEMBER EACH MONTH.

Balance on hand 1 July 1986.....\$3205.81

Receipts	Prepaid Subscriptions	\$5506.00
	Prepaid Renewals	7860.00
	Supplies	2028.76
	Miscellaneous (incl donations and interest)	1247.19
	<b>Total Receipts</b>	<b>\$16641.95</b>

Disbursements	Publish 12 Issues	\$9594.40
	Postage 12 Issues	4742.22
	HQS Postage	966.94
	HQS Supplies & Printing	9.00
	Miscellaneous	509.14
	<b>Total Disbursements</b>	<b>\$15821.70</b>

Balance on hand 30 June 1987.....\$4026.06

I certify this summary of the SPEEDX account is true and accurate to the best of my knowledge.

Jack Sanderson - Treasurer

# PROGRAM PANORAMA

woody seymour, jr.

p.o. box 848

sanford, nc 27330

September 1987...Back after a bout with "mono". Let's get going...

CHINA (PEOPLES REP.)...Radio Beijing's regular English features following NEWS and COMMENTARIES: Sun CHINA ANTHOLOGY, MUSIC ALBUM, LISTENERS LETTERBOX; Mon ACROSS THE LAND, CULTURAL INTERCHANGE, LEARN TO SPEAK CHINESE; Tue TRAVEL TALK, SPORTS BEAT, LISTENERS LETTERBOX (repeat); Wed ECONOMIC HORIZONS, IN THE THIRD WORLD, LEARN TO SPEAK CHINESE (repeat); Thu PROFILE, CULTURE IN CHINA; Fri CHINA IN CONSTRUCTION, THE LAND AND THE PEOPLE, LISTENERS CALLING; Sat CHINESE FOLK TALES, COOKING SHOW, MUSIC FROM CHINA. (Thanks to Lansford Johnson, CA)

CZECHOSLOVAKIA...Radio Prague in English to North America 0100 and 0300 UTC--days given are local days in target area, not UTC: Mon NEWSVIEW, INTRODUCING CZECHOSLOVAKIA, THE WFTU CALLING, PROGRAM REVIEW; Tue NEWSVIEW, HISTORY AND TODAY, YOUTH MAGAZINE, FOLK MUSIC/SCIENCE & TECHNOLOGY; Wed NEWSVIEW, ECONOMICS/CULTURE, HEALTH & MEDICINE, 70 YEARS SOCIALISM IN PRACTICE & QUIZ; Thu NEWSVIEW, PEACE TRIBUNE, THE WFTU CALLING, DX CHAT; Fri NEWSVIEW, CULTURE/ECONOMICS, MAILBAG; Sat THE USA IN THE CZ PRESS, COMMENTARY OF THE WEEK, THE WEEK IN CZ, STAMP CORNER, HERE AND THERE, MADE IN CZ & QUIZ, SPIN THE DISC & QUIZ (some of these may not be weekly); Sun SUNDAY MAGAZINE ON THE AIR. (What happened to George?-WS) (Thanks to L. Johnson, CA)

ECUADOR...Ken MacHarg of IN, host of HCJB's SALUDOS AMIGOS, sends along some upcoming highlights of the program. It can be heard Sun 0800 to Asia and South Pacific, Sun 1900 to Europe and Middle East, Wed 0200 UTC and 0630 UTC to Americas. On September 13 and 15, hear how two listeners to the program met through the program and are now to be married!!! Also, some interviews from ANARC '87 will be broadcast. On September 20 and 22, letters from listeners are read, along with some Sandi Patti songs. Tune in for a good program! THIS IS ECUADOR looks at the history of the Galapagos Islands in "Pirates, Priests and Paradise" on Sept. 11-13 and 18-20. Tune in Fri 2145, Sun 0130, 0600, 0945 UTC. (Thanks to Ralph Bowden, CA and C. Alain Ladd, CA for HCJB info. You can receive detailed program highlights from HCJB by sending me a SASE--I'll copy mine for you-WS)



MEXICO...Mexico's HORA NACIONAL celebrated its 50th anniversary on July 26. The program, familiar to DXers, is carried by all radio stations in the Republic each Sunday evening. The program was conceived by then-President Lazaro Cardenas as a means of solidifying the national culture. Few, if any, stations fail to carry the program as it provides a convenient down-payment on the radio tax which is 1/8 of the broadcast time. From a technical point of view, it is also a weekly test of the emergency net. During the earthquake there were problems, due to everything being routed through the Capital (which was hard hit). That problem is now being corrected...The program is especially valuable in understanding Mexico. It's a people's statement of "this is what we are", not a tourist's misinterpretation or a journalist's sensationalism. It is broadcast 10-11 p.m. Sunday evenings, Mexico City time (0400-0500 UTC Mon) (Carl Huffaker, MX)

Next month, Cuba, South Africa, Sweden and more. See you then! WS

# Station Skeds

SEPTEMBER,  
1987



DAYS WORLDWIDE COVERAGE GAIN (dB)  
POWER (kW) AZIMUTH (AZ°)  
TIMES (UTC) ELEVATION (EL°)  
LANGUAGES (LG) RELAY SITES (RL)  
FREQUENCIES (FREQ) TARGET AREAS (TAR)

EDITOR: RALPH S. BONDEN, 1255 AMETHYST STREET, SPACE 30, MENTONE, CA 92359 U.S.A.

AUSTRALIA: R. AUSTRALIA, MELBOURNE,  
ENGLISH LANGUAGE PROGRAMS, J-87 SEASON:

FREQ	POWER	LG	TAR	RELAY	COV
0800-2130	9580	Pacific	S	100	
0900-1000	9710	PNG	S	100	
0900-1100	15415	Asia	C	250	
1000-1100	9770	"	S	100	
1100-1230	11800	"	D	250	
1100-1200	11705	"	C	100	
1100-1300	9770	"	C	250	
1100-1230	9710	"	S	100	
1100-1200	9645	"	D	250	
1100-1300	7215	Pacific	S	100	
1100-1200	6060	PNG	S	100	
1100-1900	5995	Pacific	S	100	
1130-1400	6060	"	S	50	
1200-1330	7205	Asia	S	100	
1330-1430	7135	"	S	100	
1430-2040	7205	"	C	300	
1430-2000	6060	Pacific	S	100	
1430-1040	6035	Asia	C	250	
1500-2030	7215	Pacific	S	100	
2000-2130	9620	PNG	S	100	
2100-0200	15395	Pacific	S	100	
2100-0730	15340	"	S	50	
2100-0100	15160	PNG	S	100	
2100-0200	15160	Pacific	S	100	
2200-0100	15240	Asia	S	100	
2200-0200	15320	Pacific	S	100	
2200-0630	17795	"	S	100	
0000-0100	15140	Asia	C	300	
0000-0100	15240	"	C	250	
0000-0310	17750	"	D	250	
0100-0900	17715	"	C	300	
0100-0200	15395	"	C	250	
0100-0300	15180	PNG	S	100	
0300-0500	15320	Pacific	S	100	
0300-0700	15160	"	S	100	
0300-0730	15160	PNG	S	100	
0300-0510	11945	Af/IndOC	S	100	
0400-0900	17750	Asia	D	250	
0400-0900	15395	"	C	250	
0600-0700	15315	Pacific	S	100	
0600-0700	11945	Af/IndOC	S	100	
0700-1030	9655	Pacific	S	100	
0700-0800	5995	"	S	100	
0730-0930	11920	"	S	100	

(DIRECT, R. AUSTRALIA, 6-15-87.

RELAY CODES: C=Carnarvon. D= Darwin. S=Shepparton. TARGET CODES: PNG=Papua New Guinea. Af=Africa. IndOC=Indian Ocean. B. MacGibbon, OR, 6-87.)

ALBANIA: R. SHQIPTAR, TIRANA. ENGLISH LANGUAGE BEAMED TO ALL ZONES; ALBANIAN, SPANISH AND PORTUGUESE LANGUAGES TO SOUTH AMERICA, LATEST INFORMATION:

FREQ	POWER	LG	TAR
0800-0830	11835, 9500	EG	NAm
1000-1100	11965, 9500	PT	Brz
1100-1200	11985, 9500, 7300	SP	SAm
1130-1200	15185, 11855, 9480	EG	NAm
1400-1430	11985, 9500	"	"
1530-1600	11835, 9480	"	WEur
1830-1900	9480, 7120	"	"
2230-2300	9480, 7065	"	"
2330-2400	9760, 7065, 6200	"	NAm
0000-0100	9762, 7300, 6200	AB	"
0000-0100	9500, 7065	PT	Brz
0100-0200	9500, 7065	"	"
0100-0200	9762, 7300, 6200	SP	SAm
0200-0300	9762, 7300, 6200	AB	"
0230-0300	9762, 7065	EG	NAm
0300-0400	9750, 7300, 6200	SP	SAm
0330-0400	9755, 7065	EG	NAm

(BBC, MS, WBI, 6-12-87.)

BANGLADESH: R. BANGLADESH, EXTERNAL SERVICES, DHAKA, LATEST INFORMATION:

FREQ	POWER	LG	TAR
0800-0830	12030, 15525	EG	WEur
1230-1300	12030, 15525	"	"
1315-1345	6240, 9775	NP	Nepal
1400-1500	6240, 9775	UR	Pakistan
1515-1545	6240, 9775	HD	India
1600-1630	7505, 9715	AR	ME
1630-1800	7505, 9715	BN	"
1815-1900	7505, 6240	EG	WEur
1900-1915	6240, 7505	NX	"
1915-2000	6240, 7505	BN	"

(D. Jones, TN. NX=Slow speed news.)

BHUTAN: BHUTAN BROADCASTING SERVICE, THIMPHU, LATEST INFORMATION:

FREQ	POWER	TAR	DAYS
0600-0900	6035	Bhutan	123456
1100-1400	6035	"	7

(J. Bryant, OK. J. Kline, CA. LANGUAGES: Dandzongkha, Sharchop, Lhotsam, English. Dandzongkha spelling from C&IWL.)

EQUATORIAL GUINEA: R. NACIONAL DE GUINEA-EQUATORIAL, MALABO, ISLA BIKO, J-87.  
0500-0700 5005 SP/VN C&SAF 100 kW  
1700-2200 5005 " " " 100 kW  
0500-2205 6250 " " " 10 kW  
(1987 RDI. J-87 ILG.)

**STATION SKEDS (2)**

**CHINA: TAIWAN, VOICE OF ASIA, KAOHSIUNG, LATEST INFORMATION:**  
 LG TAR  
 0200-0300 7285 EG FE,SEAsia  
 0300-0600 7285 CH " "  
 0600-0700 7285 EG " "  
 0700-0800 7285 CH " "  
 1030-1040 7285 EG " "  
 1040-1050 5980 IN " "  
 1050-1100 5980 CH " "  
 1100-1200 7445, 5980 EG " "  
 1200-1300 7445, 5980 IN " "  
 1300-1445 7445, 6980 CH " "  
 1500-1510 7445, 5980 TH " "  
 1510-1520 9845, 5980 IN " "  
 1520-1530 7445, 5980 CH " "  
 1530-1630 7445, 5980 EG " "  
 1630-1730 5980 TH " "  
 2100-2200 9845, 5980 IN " "  
 2200-2300 9845, 5980 CH " "  
 (BBC, MS, WBI, 6-26-87.)

**CHINA: R. BEIJING, EXTERNAL SERVICE, BROADCASTS BEAMED TO NORTH AMERICA, ENGLISH LANGUAGE, LATEST INFORMATION:**  
 LG TAR kW RL  
 1100-1300 9535 EG ECNA 500 J  
 1300-1400 9550 " Ataska,CNAM 500 J  
 1300-1400 9730 " " 500 J  
 0000-0400 15445 " Canada,CAM 500 J  
 0300-0400 11970 " Ataska,ECNA 500 J  
 0300-0500 15180 " " 240 B  
 0300-0500 15280 " " 300 X  
 (J. Kline, CA. C. Radtke, CA. M. Schlossman, CA. RELAY CODES: J=Jinhua. B=Baoding. X=Xian. J-87 THFBS, IFRB, ITU.)

**GREECE: GREEK RADIO, ATHENS, LATEST INFORMATION, BEAMED TO AMERICAS:**  
 LG  
 0000-0150 9420, 9395, 7430 GR,EG  
 0200-0350 9420, 9395, 7430 GR  
 1200-1250 15630, 11645, 9855 GR,EG  
 1500-1550 11645 " "  
 2200-2350 11645, 9395 PT,SP,GR  
 2300-2350 9420 " GR,SP  
 (BBC, MS, WBI, 6-26-87. F.Trescher,PA.)

**KOREA (SOUTH): R. KOREA, SEOUL, ENGLISH LANGUAGE BROADCASTS HEARD ON WCNA, LATEST INFORMATION:**  
 TAR kW  
 0500-0603 7275 FE 250  
 0500-0603 5975 " 50  
 1300-1400 9570 SEAsia 100  
 1300-1400 9750 NAm 250  
 1300-1400 15575 " 250  
 1500-1600 9870 ME,Naf 250  
 (L. Johnson, CA. J. Kline, CA.)

**LIBERIA: LIBERIAN BROADCASTING SYSTEM (COMMERCIAL), MONROVIA, J-87 SEASON:**  
 LG TAR kW  
 1800-0000 3255 EG WAF 50  
 0500-0845 3255 " " 50  
 0230-1850 6090 " " 50  
 (1987 RDI. J-87 ILG.)

**MONGOLIA: R. ULAN BATOR RELAY, BEAMED TO ASIA AND AFRICA PRIMARILY, LATEST INFO:**  
 LG DAYS  
 0905-0940 12015,11990,9615 EG 123456  
 0950-1025 12015,11990,9615 MG 1234567  
 1025-1055 12015,11990,9615 CH 1234567  
 1030-1100 4080,4850,7262 RS 2 5  
 1055-1130 12015,11990,9615 MG 1234567  
 1130-1200 12015,11990,9615 CH 1234567  
 1200-1235 12015,11990,9615 EG 123456  
 1255-1330 15305,9575 MG 1234567  
 1330-1400 15305,9525 CH 1234567  
 1400-1430 15305,9575 MG 1234567  
 1445-1520 12015,9575 EG 123456  
 1655-1720 11790,9677 FR 1 3 5  
 1800-1840 11790,9677 " 1 3 5  
 1940-2015 15305,9595 EG 1234567  
 2015-2055 11790,9677 FR 1 3 5  
 2100-2130 12015,11990,9615 CH 123456  
 (BBC, MS, WBI, 6-12-87. F.Trescher,PA.)

**NEW ZEALAND: R. NEW ZEALAND, WELLINGTON RELAY, LATEST INFORMATION:**  
 kW  
 1030-1215 6100 EG Australia 7.5  
 1845-2125 11780 " Pacific 7.5  
 2345-0145 11780 " Australia 7.5  
 2345-0145 15150 " Pacific 7.5  
 0700-0730 11780)Maori,Samoan 7.5  
 (Mon-Fri) 15150)Niuean,Tongan 7.5  
 0700-0730 11780 Tokelaum 7.5  
 (Tue,Thurs)15150 " 7.5  
 (J. Kline, CA.)

**NORTHERN MARIANNAS ISLAND GROUP, SAIPAN, KYOL, CHRISTIAN SCIENCE PUBLISHING SOCIETY, BOSTON, MASS., VIA ANGINANG POINT RELAY:**  
 LG TAR kW  
 0800-1700 11900 EG,JP NEAsia 100  
 0800-1700 17775 " " " 100  
 1900-2200 9670 " " " 100  
 2000-0300 15405 " " " 100  
 2000-0300 11900 " " " 100  
 0300-0800 17780 " " " 100  
 0300-0800 15405 " " " 100  
 (CSPS, CSM Supplement, J-87, Boston. L. Johnson, CA. H. Hawkins, TX.)

**POLAND: R. POLONIA (FOREIGN SERVICE), WARSZAWA RELAY, ENGLISH LANGUAGE, ALL ZONES, 100 KW POWER, LATEST INFORMATION:**  
 TAR  
 1200-1225 6095 Eur  
 1230-1300 15120, 11840, 9525 Caf  
 1400-1430 7285, 6095 Eur  
 1600-1630 9540, 6135 " "  
 1630-1730 11840, 9525, 7125 Caf  
 1730-1800 9540, 6135 Eur  
 1830-1855 7285, 6135, 5995 " "  
 2000-2030 9525, 7145, 7125 Caf  
 2030-2055 7285, 6095 Eur  
 2230-2300 7270, 7125, 6135 " "  
 5995 " "  
 0200-0300 15120, 11815, 9525, 7270, 7145, 6095 NAm  
 0300-0355 15120, 11815, 9525, 7270, 7145, 6135 " "  
 0630-0700 15120, 7270, 6135 Eur  
 (BBC, MS, WBI, 7-3-87. R. Polonia, 6-87.)

## STATION SKEDS (3)

## PHILIPPINES: FAR EAST BROADCASTING CO. (FEBC), MANILA, J-87 SEASON:

	LG	kw	TAR	
0830-0900	11850	EG 50	SE	Asia
0830-0900	15350	" 50	"	"
1300-1600	11850	" 50	"	"
0000-0200	15445	" 50	FE	"
0300-0500	11850	" 50	SE	Asia

(DIRECT, FEBC, 5-10-87, INCOMPLETE.  
J. Sanderson, AZ.)

## PHILIPPINES: R. VERITAS ASIA, QUEZON CITY, LATEST INFORMATION:

	LG	TAR	
1000-1055	11755, 9605	CH	EChina
1100-1125	9605, 9595	VT	SEAsia
1130-1150	9650, 6200	KR	"
1200-1255	15230, 9550	IN	Indo
1200-1255	9505, 7190	JP	NEAsia
1230-1300	15120, 9700	CH	EChina
1230-1300	9595	KA	SEAsia
1300-1330	9595	BS	"
1300-1330	15120, 9700	TL	India
1330-1400	9595	KC	SEAsia
1330-1400	9595	SN	SAsia
1400-1425	15120, 9700	TM	SAsia
1400-1455	9540, 6160	VT	SEAsia
1430-1500	15215, 9710	BN	SAsia
1500-1530	15215, 9710	EG	SEAsia
2105-2125	9680, 6200	KR	NEAsia
2130-2325	9740, 7190	CH	EChina
0000-0025	15275, 9730	JP	NE Asia
0000-0030	15255, 11820	SN	SAsia
0030-0055	15155, 11820	TM	"
0030-0100	15190, 9560	BS	SEAsia
0100-0130	15270, 15135	SN	SAsia
0100-0130	15190, 9560	KA	SEAsia
0130-0155	15270, 15175	EG	"
0130-0200	15190, 9560	KC	"
0200-0230	15270, 15155	TL	India
0200-0300	15190, 9560	VT	SEAsia

(BBC, MS, WBI, 6-12-87. F.Trescher, PA.)

## SYRIA: RADIO DAMASCUS, EXTERNAL SERVICE, DAMASCUS, LATEST INFORMATION:

	LG	TAR	
1305-1405	11625	TK	ME, WEur
1700-1800	11625, 9470	AR	ME
1800-1830	11625	RS	EEur
1835-1905	12085, 9950	GM	WEur
1905-2005	12085, 9950	FR	"
2005-2105	12085, 9950	EG	"
2105-2205	12085, 9950	"	NAm
2215-2315	12085, 9950	AR	"
2315-2400	12085, 9950	SP	SAm
0000-0015	12085, 9950	PT	"
0300-0400	12085, 7355	AR	ME

(D. Twigg, CT. BBC, MS, WBI, 6-87.)

## TURKEY: VOICE OF TURKEY, ANKARA, LATEST INFORMATION:

	LG	TAR	kw
0900-1000	15160	AR	ME, Naf
0900-1000	11955	"	"
1000-1030	9670	BG	EEur
1030-1100	9670	RM	"
1100-1130	9670	SC	"
1130-1200	9670	AR	"
1200-1230	9670	HG	"
1230-1300	15260	EG	E Aus
1300-1330	15260	UR	SAsia
1330-1400	15260	FS	ME
1400-1430	17880	CH	China
1430-1500	11815	RS	WUSSR
1500-1600	15160	AR	ME, Naf
1500-1600	11955	"	"
1600-1700	7215	GR	WEur
1800-1900	7215	"	"
1900-2000	7215	GM	"
2000-2100	7215	EG	"
2100-2200	7215	FR	"
0300-0400	9560	EG	ENAm
0300-0400	11780	AZ	WUSSR

(BBC, MS, WBI, 6-10-87.)

## UNITED KINGDOM: BBC, WORLD SERVICE, LONDON, ENGLISH LANGUAGE, AUDIBLE IN NORTH AMERICA, LATEST INFORMATION:

	TAR	kw	RELAY
1100-1330	6195	ENAm	125 Antigua
1100-1330	9510	"	250 Sackville
1300-1630	9740	C&WNA	100 Kranji
1500-1630	11750	"	125 "
1500-1745	15070	ENAm	U.K.
1500-1745	15260	C&WNA	250 Sackville
1600-1700	11775	NAm	250 "
2200-0430	5975	ENAm	500 U.K.
2200-0330	6120	"	100 Sackville
2200-0430	6175	NAm	125 Antigua
2200-0330	7325	ENAm	U.K.
2200-0200	9590	NAm	250 Sackville
2200-0230	9915	ENAm	U.K.
2300-0330	9515	C&WNA	250 Atlantic
0430-0730	5975	"	250 Antigua
0410-0545	9510	"	250 "
0600-0700	9640	"	125 "

(D-87 THFBS, IFRB, ITU. LC, 8-87.  
D. Jones, TN.)

## U.S.A.: KGET, THE VOICE OF FRIENDSHIP, VIA REDWOOD CITY RELAY, J-87 SCHEDULE: SPANISH, RUSSIAN AND UKRAINIAN LANGUAGES:

	TAR	kw
0930-1200	9675	EUSSR
1200-1430	9690	"
1445-1500	15355	NSAm
0200-0400	11745	WUSSR
0400-0600	11735	"

(J-87 THFBS, IFRB, ITU.)

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# NORTH AMERICA AND THE CARIBBEAN

SEND DIRECT LOGGINGS BY THE 12TH OF THE MONTH TO:

*Thomas F. Sable*  
University of Scranton  
Scranton, PA 18510-2192

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## ALASKA KNLS

9750 1405 RR Piano mx and talks (555 719 Miller CA)  
11700 1640 Harry James; Glenn Miller (353 715 Kline CA)(D. Jones TN)

## ANTIGUA *Deutsche Welle relay\*\*British Broadcasting Corp. relay*

6085 0200 GG *DW* Honneker in E.Berlin; musik (555 721 Wright MB)  
6175 0320 *BBC* Minorities in USSR and liberalization (555 728 Brown IL)(Dillon MD)  
9715 0930 *DW* Weekend Sport, nx (454 716 Vercellino IL)  
15205 1050 *DW* Spanish and German IDs (343 719 Wakefield IA)  
15410 2340 GG *DW* Mx of Anderos Martin (544 727 Shanklin MA)  
17715 1345 GG *DW* IS, YL with ID, mx (243 721 Berri CA)

## CANADA *R. Canada International\*\*Northern Quebec Service\*\*BBC relay\*\*DW relay\*\* R. Japan relay*

5960 0340 *RJ* Tamils surrender (544 83 Brown IL)DX corner (544 713 Shaffer PA)(Wright MB)(A. Jones TN)(Bishop NY)  
5960 0145 *RCI* Iran-Contra hearings (444 715 Langlois FL)(Trescher PA)  
6070 0300 *CFRX* Contra affair commentary (333 717 Miller CA)(Brown IL)(Wakefield IA)(Trescher PA)  
6120 0130 *BBC* Waveguide: new receiver review (444 723 Flynn CA)(Trescher PA)(Dillon MD)  
6120 1140 *RJ* Woman Hot Air balloonist (454 723 Fraser MA)  
9510 1215 *BBC* Brain of Britain (343 727 Westenhaver QU)  
9590 2300 *BBC* World nx and commentary (444 83 Blair CA)(Worob TX)  
9625 0131 *NQS* Upcoming election; human rights abuses (444 81 Kline CA)(Trescher PA)  
9755 0113 *RCI* Iran-Contra hearings (433 83 Brown IL)(555 720 Robinson TN)(Bishop NY)  
11720 2015 *NQS* talks on Federal government (444 719 Miller CA)  
15260 1516 *RCI* British Open, cricket (444 718 Brown IL)+1

## CUBA *R.Habana\*\*R. Rebelde relay\*\*Radio Moscow World Service relay*

4765 0403 *Mayak relay* Transmitter FMing; wide signal (353 731 Laves TX)(Worob TX) Light mx (544 714 Wakefield IA)  
5025 1023 *SS RR* News and commentary on Contra hearings (544 714 Wakefield IA) Beisbol (444 85 Halstead WV)(Trescher PA)  
5960 0400 *RHC* World news, Sports Desk (555 717 Miller CA)  
9525 0642 *RHC* Looking Inside the USA: Iran-Contra (444 89 Halstead WV)  
9600 1131 *RM* Composers from Socialist countries (555 731 Halstead WV)  
9655 0453 *RHC* Spotlight on Jamaica: malnutrition (555 730 Halstead WV)(Sampson WI)(Dillon MD)(Weiss OH)  
9730 0649 *RHC* Castro congratulates 3rd baseman, En Contacto: dx program (555 727 Halstead WV)  
11760 0126 *RHC* Lively mx, Cuban and world nx (555 730 Kline CA)(Wright MB)  
11840 1331 *RM* Folk Box: Uzbek instruments (555 728 Halstead WV)  
11970 0130 *SS RHC* News and music (544 719 Wright MB)  
17705 1930 *SS RHC* Caribbean Calypso (555 712 Weiss OH)

## DOMINICAN REPUBLIC *\*\*R.Discovery\*\*R.Clarin\*\*R. Santiago*

11700 0405 *SS R. Clarin* OM reads nx on Contra hearings in Washington, mentions Ortega and Reagan (353 721 Abbinante MD) Latin pop mx (333 719 Shaffer PA) Por los caminos del Mundo: Madeira (444 84 Halstead WV)(Wright MB)

## HAITI

4930 1010 FF 4VEH Organ hymns, God's Plan for humanity (322 7/19 Wakefield IA)

## MONTSERRAT *Deutsche Welle Relay*

9545 0310 DW France breaks relations with Iran (333 7/18 Wright MB)

## NETHERLANDS ANTILLES *Radio Nederland\*\*Trans World Radio*

6165 0252 RN ANARCON report on Media Network (444 7/25 Brown IL)

9535 0130 TWR Praise God instead of Dr's (444 7/15 Langlois FL)

9590 0229 RN Demonstrations in Paraguay; Soviet expelled from Norway (444 7/30 Brown IL)

15120 1708 Dutch RN Evangelical church service from Amsterdam (444 8/2 Westenhaver QU)

15355 0041 SS TWR Religious program; offers free book (433 7/9 Westenhaver QU)(Brown IL)

## PIRATES *This Time It's Personal*

6240 0445 R. New York International heavy metal mx, ID as "Radio New York International" and "RNI" address given as 496 LaGuardia Place-Suite 451, New York, NY 10012 (544 7/25 Ross ON) oldies from the Sixties (232 7/28 Westenhaver QU)(D' Angelo PA)

6305 1100 SS V.de CID YL reads news of Miami (555 7/23 Robinson TN)

9940 1242 SS V.de CID Upbeat pop mx, OM vocals, ID (3437/23 Abbinate MD)La Tremenda Corte, humor program (444 8/7 Halstead WV)(Robinson TN)

## UNITED STATES OF AMERICA *\*\*Voice of America\*\*Voice of Free China\*\*Armed Forces Radio and Television Service\*\*Radio Marti\*\*Voice of the Organization of American States\*\**

5985 0200 VOFC New IS; Martial law lifted (555 7/16 A. Jones TN)

5995 1107 WHRI Religious mx (555 Trescher PA)

6020 0430 PP VOA Pop vocals (555 7/19 A. Jones TN)

6030 0130 AFRTS All Star Game (555 7/15 Miller CA)(Wakefield IA)(Weiss OH)(Trescher PA)+1

6075 1115 SS RM Nicaragua and Soviets (555 Trescher PA)

6190 0240 SS VOA Commentary mentions Haiti (555 Trescher PA)

7355 0230 WRNO Moody Blues and rock mx (544 7/28 Miller CA)(Estes MS)(Flynn CA)(Langlois FL)(Worob TX)

7400 0441 WHRI Gospel mx in four part harmony (433 7/13 (Wakefield IA)

9535 1610 WYFR Mailbag: letters from Guyana and U.S. (323 7/11 Westenhaver QU)

9540 1237 SS VOA talk of Nicaragua (555 7/29 Miller CA)

9590 0102 BBC Outlook celebrates its 21st birthday; New Waves on the Shortwave (555 7/4 Kline CA)

9680 0008 WYFR Family Bible Reading fellowship (555 7/17 Miller CA)

9680 0320 VOFC Butterflies, Arts and Crafts (545 7/20 Miller CA)

9700 1420 AFRTS Prison farm gangs (545 7/19 Miller CA)(Kline CA)

9715 0230 SS WYFR Relig. mx, modern parable (544 7/15 Wright MB)

9852 0100 WHRI Sermon by YL evangelist (333 7/19 A. Jones TN)

11875 2120 WYFR OM reads from Bible (444 7/26 Addison KS)(McCants AL)

11930 2200 SS RM News (544 7/14 Bush OH)

15105 1655 WHRI Contemporary Christian mx (555 7/18 Estes MS)

15130 0045 CC VOFC CC talks (545 7/18 Miller CA)

15145 0045 WINB Organ mx and relig. talk (333 7/17 Miller CA)

15170 1640 SS WYFR Nx (433 7/18 Estes MS)

15195 1910 VOA Rock mx with OM (555 7/12 Weiss OH)

15260 1615 BBC Cricket update (555 7/12 Kline CA)

15270 2330 WCSN YL announces mx; OM IDs (444 7/11 Langlois FL)

15280 0144 KGEI Classical mx, talk on Latin America (333 7/15 Wright MB)

15295 1600 WINB International Freedom Alert (444 8/8 (McCants AL)

15330 1734 AFRTS Baseball schedule for August (544 7/28 Miller CA)

15345 0205 AFRTS News from NBC, ABC, and CBS (454 7/16 Wright MB)

15410 1750 VOA Musictime USA (555 7/12 Brown IL)

17775 1610 SS KVOH Offspeed mx, religious programming (555 7/12 Kline CA)

Computer Users: The North America and Caribbean Column BBS may be reached by dialing (717) 961-6141 from 10 pm to 8 am daily. The communication parameters are 1200/300 baud 8 bit Null parity and 1 stop bit. This can be an easy way to submit loggings. Please try to stick close to the regular SPEEDX format. Full message capability is now possible, so you may leave questions, queries, comments, and tips much more easily now. I will be experimenting with this system for some time. Please let me know what you think of the new system. In the meantime, if you have a computer, a modem, and software that supports those protocols, would like to take advantage of this BBS, but have no idea of what I just said, send a self-addressed stamped envelope to me at the address on the masthead and I will send you an introduction to the NACC BBS system.

**Pirates Boarded:** With lots of media coverage of the event, the FCC cracked down on the pirate station listed in this month's loggings. This group was a shipboard operation outside the three mile limit off the shores of Long Island. They called themselves "Radio New York International" and were heard on both MW and SW. The FCC got the Coast Guard to raid them July 28 and put them out of action. The group faces stiff penalties. Media Network reported that the chief engineer and other members of the "crew" were experienced in pirate operations that were land-based for some years. The MW outlet reportedly was able to be heard as far away as Michigan and the SW outlet had wider coverage and a fairly readable signal. The QSL address is listed in the loggings. Send an SASE. The court costs will be extensive.

**Compswl** published its first newsletter. The idea behind Compswl is to get together SWLs who use computers and exchange ideas, programs, data, and publications on shortwave radio on or by using a computer. Besides the newsletter Compswl offers IBM PC program disks with useful calculation, logkeeping, and reference programs and text files; a North American Tropical Band Survey done on the computer; a shortwave radio BBS (718)-761-5727; and radio propagation research. For further information contact David Snyder, 127 Joseph Avenue, Staten Island, NY 10314.

**ANARCON'87** was a great success. About 25 SPEEDXers were present at various stages of the convention. My favorite talk was by Fred Osterman of Universal Shortwave Radio, which sells equipment for that strange tribe of people called "Utes." He explained the various types of non-voice transmission modes and how to receive them. I especially enjoyed his description of how and where to receive Vatican diplomatic transmissions.

At the broadcasters' colloquium Jeff White announced a permanent solution to R. Discovery's power problems. The Dominican Radio and TV authority has launched a 24 hour SW operation in Spanish with a new high power transmitter and a steady power source. This will be a commercial operation and advertising will help support the programming.

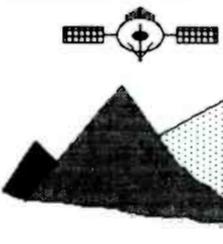
There was plenty to do and to see in the Toronto area that weekend, including an auto race and some visiting British royalty. Toronto certainly has grown since I was there last. David Jones (our CDE), Ruth Hesch, George Neff, and William Westenhaver were among the SPEEDXers that I noticed in attendance. Next year ANARCON heads west.

Please send loggings to me directly to the address on the masthead or via the NACC BBS by the twelfth of the month or our heroic CDE:

David Jones  
2120 -C Mockingbird Lane  
Box 8  
Springfield TN 37172

by the sixth of the month. Please cut those loggings.

*Bge for now  
T.F.S.*



# LATIN AMERICA

**CARL HUFFAKER**  
**Apdo Postal 41-507**  
**11001 Mexico, DF**  
**MEXICO**

*august column*



FREQUENCIES in Kilohertz
DEADLINE: 12th
TIMES/DATES in UTC

I have a short page assignment this month, but because I find myself ever more frequently using the term "Mexican music", it might be well to mention the several forms that are grouped under that name. Mexico's most popular composer was Augustine Lara. He wrote innumerable romantic ballads that became popular over all of Latin America, and many translated into English, popular in the States. When not played for dancing, a trio of male vocalists with guitars became the usual form of presentation. This is referred to locally as "romantic Mexican music". "Rancheros", frequently included in a slightly broader group "norteño", parallels the American "western". Regional folk dances and traditional songs form part of this group, usually vocalists with guitars. When trumpets are added, it becomes "mariachi", but mariachis are always in costume. Farther south, and the Cathedral in Cuernavaca comes to mind, mariachi groups add drums. "Tropical" music is a mixture of everything from the coastal areas relying heavily on cumbias. In the Veracruz area, groups often feature a harp giving a liquid sound to their music. Many favor a white tropical costume, but some dress as mariachis. In the south, an echo of the old Central American Republic, marimbas with their characteristic music are popular. And then there's the new generation with their electronics. Some compose and call their music "Mexican". Perhaps you've noticed the way I've confused "groups" with "types of music". This is the local custom, and what you'll hear from the DJ's. Quite apart, and almost never referred to as "Mexican", is the Indian-influenced music. Although this "indigenous" music is actually a mixture of Spanish and Indian instruments and forms, it's commonly assumed to have always existed.

I doubt that I've clarified anything, but I hope I've suggested what to listen for. So, on to the logs.

#### ARGENTINA

6180 07:55 R Nacional LA pop Mx, ID at 08:11 (232 6/21 Carlisle-WA)  
 9690 01:00 RAE SE Px, tangos (433 6/30 Miller-CA)  
 11755 17:45 R Belgrano pop Mx (211 6/18 Orr-CA)  
 15345 12:00 RAE Nx, vocals, frequent ID's (545 6/20 Robinson-TN) (I'm still confused on this one. The last listing I have gives this program as R Nacional, not the SS service of RAE. ch)

#### BOLIVIA

4682 10:25 R Paititi (tent) LA pop & OA Mx, no ID (341 5/2 Carlisle-WA)  
 4865 10:19 R 16 de Marzo CM/YL Tx, taped ID at 11:26 (222 6/21 ch-MX)

#### BRASIL

3325 07:15 R Liberal ballads, ID with freq at 07:18 (232 7/2 ch-MX)  
 3375 10:00 R Ed. Guajará Mirim starting the day with "Bom Dia" and lots of "Eduadora" ID's, a Volkswagen ad, into ballads (444 7/6 ch-MX)  
 4785 02:45 R Brasil LA & brasopops Mx, heard 3 Radiobras ID's (332 5/25 Carlisle-WA) (I haven't located them for a month, but then the ID's were R Brasil, not Radiobras. It's hard to hear the difference with a poor signal, but I don't believe they're Radiobras. ch)  
 4805 10:00 R Dif do Amazonas ID's coffee ads, Nx (545 5/12 Robinson-TN)  
 4875 04:23 R Jornal do Brasil ID by OM, top 40 US pops (243 6/7 Havrilko-UK)  
 4945 09:30 R Nac. Porto Velho Nac & Radiobras ID's lcl Nx (545 5/22 Robinson-TN)  
 -----  
 (I left out quite a few 60-meter Brazilians heard here. The list is essentially that of last month. ch.)

BRASIL (cont)

11745 02:00 Radiobras EE Px (545 6/2 Miller-CA, Brown-IL)  
 11915 01:35 R Gaucha romantic ballads, ID's (332 6/27 Carlisle-WA)  
 15190 04:11 R Inconfidencia mainly DJ chat with YL on phone. listed for 03:00  
 sign off (242 5/20 Westenhaver-PQ)  
 15325 19:40 R Gazeta Nx (242 5/20 Orr-CA)  
 15415 02:01 R Clube, Ribeirao Preto brasopops, R Clube jingle, ID, TC's (333  
 5/27 Westenhaver-PQ)  
 17755 16:58 Radiobras Radio Suriname broadcast in DD & EE (352 6/1 Kline-CA)

CHILE

15140 23:15 R Sistema Nacional, R Nacional de Chile (the "R Nacional" ID has  
 evidently been reinstated, but there seems to be no change in their  
 programs which cover, Nx, sports, pop Mx, and religion. ch.)  
 (555 6/25 Halstead-WV)(Kline-CA)(Orr-CA)(Robinson-TN)

COLOMBIA

(Betsy seems to be the only one who listened to Colombia this month as all  
 reports were from her, all around 10:00, and all good signals, which I'm  
 sure were not over-rated as the program notes were extremely detailed.  
 Sunrise in Tennessee was very close to 10:00, which should remind all of us  
 that DXing involves getting up early as well as staying up late. My first  
 thought was to leave the country to her, but I couldn't resist reporting a  
 frustrating late broadcast that did not produce an ID. ch.)

5050 04:54\* UNID International basketball, Colombia vs Peru, carried by CARACOL,  
 s/off was with HJ NA (342 6/25 ch-MX)  
 4885 10:00 Ondas de Meta "Ondas de Meta" ID, vocals and accordian solos (545  
 6/28 Robinson-TN)  
 5095 10:00 R Sutatenza ID's, OM/YL drama with sound effects (555 6/8 Robinson)  
 5955 09:30 L V de los Centauros "esta es L V de los Centauros", Px was  
 "Programa Campasina" (545 6/18 Robinson-TN)  
 6115 10:00 L V del Llano música de Colombia, ads for Banco Central and Coca-  
 Cola (555 6/18 Robinson-TN)  
 6170 10:00 L V de la Selva OM/YL ID "... en L V de la Selva", horse whinney,  
 Tx about horses, Nx (545 6/16 Robinson-TN)

ECUADOR

3220 04:44 HCJB OM/YL rel Tx mainly over Mx, the computer seemed to have  
 switched to another Px just before the time-ticks and off at 05:00,  
 no ID (242 7/12 ch-MX)  
 3240 11:01 R Antena Libre ID and into rel Px (242 7/4 ch-MX)  
 3315 11:07 R Pastaza semi-classical vocals until ID with freq and QTH at 11:15  
 (333 7/4 ch-MX)  
 3395 11:00 R Zaracay música Andina, bank ad, "escucha R Zaracay" (444 7/1  
 Robinson-TN)  
 4820 08:57 R Paz y Bien EZL Mx till long s/on routine on the hour (always the  
 same, but live not taped as you can note slight differences from day  
 to day. ch.) (444 7/1 ch-MX)  
 4850 10:47 R Luz y Vida rel Tx, ad for cocina española, ID, "... aqui enquenta  
 música" (242 6/21 ch-MX)  
 4870 04:00 R Rio Amazonas LA Mx non-stop until and ID, "hasta mañana si Dios  
 care" another couple ID's, "buenas noches" and their theme "Adora  
 Dios" (this is rather complicated, and live, but they usually follow  
 it closely. ch.) (444 6/26 ch-MX)  
 4890 02:51 R-Centinel del Sur romantic Mx until off-hand "R Centinela" ID on  
 the hour, then Tx over oriental Mx which seems to be a Px theme.  
 (343 6/29 ch-MX)  
 4910 01:26 Bm Gran Colombia on with basketball, Brasil vs Peru, // 4920,  
 station ID in short Mx Px that followed (433 6/24 ch-MX)  
 4920 10:00 R Quito ID's, organ & harp Mx (545 5/12 Robinson-TN)  
 4960 02:31 R Federacion EZL Mx non-stop to full ID & NA at 03:03 signoff  
 (242 6/26 ch-MX)  
 5040 02:28 L V del Upano ID, promos, and into EZL Mx (333 5/23 Westenhaver-PQ)  
 5050 10:30 R Jesus del Gran Poder ID, choral Mx, church bells (555 6/26  
 Robinson-TN)

HCJB was reported on 6205, 9745, 9870, and 15270 kHz. Like R Reloj  
 in Costa Rica, which I skipped, it's a station almost everyone  
 listens to and has no trouble in hearing. HCJB has supported both  
 SP5BDX and DXing for many years and deserve recognition, but listing  
 the reports here would be only a poor echo of the excellent program  
 schedule they publish periodically. ch.)

GUATEMALA

- 2390 02:13 L V de Atitlán (usually s/off around 02:30, but sometimes later. the late Px is a request Px, and at times, mainly Mexican Mx. The present announcer has a heavy accent and ID's "LV de Atitlán", not "R Atitlán" as was done previously. ch.) (343 7/7 ch-MX)
- 3300 10:00 R Cultural Px "Territorial Nacional de Guatemala", vocals and accordian Mx (545 6/13 Robinson-TN)
- 3325 02:07 R Maya de Barillas (identifies its Indian-language program as "Programa Mam". Mam is the language from which "Radio Mam" on 4825 kHz takes its name. ch.) (433 6/24 ch-MX)

MEXICO

- 6020 20:00 La U de Veracruz (returned to this frequency after being on 6050 kHz the previous day with a distorted signal) (444 6/29 ch-MX)
- 6115 06:51 R Universidad de Sonora Px of romantic Mexican Mx, TC's and ID's (an unusually clear signal as Unión in Peru would normally QRM at this hour. Hermosillo is in the western time zone at GMT -7. They went under QRM at 07:05 and seemed to be signing off, the Px at least, so I don't know if the until midnight hours are normal or Saturdays only. ch.) (343 7/12 ch-MX)
- 6185 16:54 R Educación reactivated with a new staff or a new policy with excellent Px's on regional music and the regions of Mexico. The dramatic Px's are exactly the same format as the RMI soap operas, and may have been produced there. One far-out "educational" Px, one of a series, was advice to students on choosing careers in accordance to the zodiac. ch.) (444 6/29 ch-MX)

PARAGUAY

- 9735 01:20 R Nac de Paraguay Px of ballads with velvet-voiced DJ to 01:31, "R Nac Arcuncion, Paraguay" ID, into Px "Aquarelas Musicales Paraguayas" (533 5/26 Westenhaver-PQ)

PERU

- 3290 10:22 R Tayabamba Px of OA Mx with a hyped-up DJ, ID at 10:24 "aquí Radio Tayabamba", faded by 10:30 (242 7/4 ch-MX)
- 3330 10:54 Ondas de Huallaga OA Mx, Tx had echo, ID at 10:57, then a promo that repeated the name several times. CHU had faded completely. (343 7/4 ch-MX)
- 3340 11:08 R Altura OA Mx, formalized, but not taped, ID "sintronzia R Altura, freqs .... R Altura" (242 6/21 ch-MX)
- 4460 03:25 R Norandina OA Mx, ID at 03:56 (342 5/24 Carlisle-WA)
- 4755 11:25 R Huanta 2000 (tent) OA Mx, ref to QTH, but no ID (241 5/2 Carlisle-WA)
- 4790 03:39 R Atlántida Generic LA Mx with between, 04:01 ID "Aquí transmite Radio Atlántida....." (322 5/26 Westenhaver-PQ)
- 4810 06:48 R San Martín party Mx, full ID at 06:53. were on late for Saturday night. (343 6/28 ch-MX) (444 6/21 Robinson-TN)
- 4825 09:38 L V de la Selva usual s/on featuring drum and whistle Mx (even in Bolivia, the theme music is becoming more sophisticated and this old tape is almost a sole survivor. ch.) (333 7/4 ch-MX)
- 4895 10:22 R Chanchamayo evidently signing on with list of Px's for the day, I couldn't copy much until YL ID'd "Chanchamayo" at 10:30 (222 6/21 ch-MX)
- 4910 10:49 R Tawantinsuyo OA folk Mx, TC at 10:50 "..... en R Tawantinsuyo", dedications, OA Mx (232 7/4 ch-MX)
- 4950 02:27\* R Madre de Dios operetic Mx, "Jingle Bells" in EE, a trumpet version of taps, then a final and full ID over their theme "On the Trail" from the Grand Canyon Suite (232 6/29 ch-MX)
- 4970 06:20 R Imagen lively "campesino" Mx, many ID's (242 6/6 Carlisle-WA) (they're all-night on Saturdays. ch.)
- 4990 10:00 R Ancash rapid tempo vocals, ID at 10:35 (444 5/8 Robinson-TN) (I hadn't noticed the date on this, but they're still on the same schedule. ch.)
- 4995 03:21 R Andina OA Mx.... but only a few seconds at a time between ads, promos, political anmts, and dedications (333 6/24 ch-MX)
- 5030 01:13 R los Andes pop Mx, many dedications, reference to station at 01:22 (of all the 60-meter Peruvians, this seems the best station both mornings and evenings. ch.) (433 6/24 ch-MX)

To fill this last line, and ID from R Ancash, "Radio Ancash, La Voz de Amistad Internacional" noted on 6/16

And at the last minute, it was the postman, not ringing twice, but ringing late. So before Venezuela, a mini-column of the most interesting late arrivals .....

Bolivia

6106 03:03 R Panamericana OM with ads, ID (222 5/15 Uerlings-OR)

Brasil

4755 04:58 R Ed Rural Instrumental LA Mx, anmt & off at 05:00 (323 5/29 Uerlings-OR)  
4845 01:52 R Nac, Manaus pop Mx, ID, off at 02:00 (333 6/29 Shaffer-PA)  
4875 02:34 R Nac, Boa Vista ballade & pop Mx, ID's, Nx (252 6/12 D'Angelo-PA)  
9665 10:50 R Marumbi EZL Mx, "R Marumbi" ID (242 6/6 Miyauchi-JP)  
9695 18:48 R Rio Mar OM with echo mike, Nx, ID (333 6/7 Trotto-PL)  
15135 17:28 R Record soccer(?), ID at 17:31 (242 6/29 Trotto-FL)  
15190 02:15 R Inconfidencia 2 YL's on phone, ID at 02:22 (242 6/26 Wright-MB)  
---- and I'll add because there was absolutely no evidence of the highbrow music that normally booms in from Siberia ...  
5015 07:16 R Cultura, Cuiaba "R Cultura do Cuiaba" ID, usual ballads very much cut up by DJ break-in, ID again at 07:32 (242 7/1 ch-MX)

Colombia

4815 02:40 R Guatipuri fast marimba-type Mx, ID at 02:43 (434 7/2 Trotto-FL) (D'Angelo-PA)  
4915 02:38 Armonias de Caqueta Mx, phone interview, ID at 02:59 (444 6/12 Wright-MB) (no question on this one, but my 02:25 log on 4915 reads Ananguera 333. between the first hop to Mexico and the second to Peter's QTH, the relative strength of the stations completely reverses. ch)

Mexico

11770 14:55 R Mexico Intl YL with ID, rancho Mx, ID at 15:00, then Nx (444 6/5 Trotto-FL)  
---- an afterthought because I like the idea of any promo that promotes shortwave,  
5980 23:16 XEUJ "Cita para Baliar", Px of mainly romantic Mx, ID repeated several times was "X-E-U-J, la grandota, en la buena onda corta, desde Linares, Mexico" (444 6/17 ch-MX)

Peru

6115 10:07 R Unión vern Tx until 10:43, heard dogs barking and birds singing (342 6/6 Miyauchi-JP) (it's their morning campiano Px after a long night of usually excellent LA Mx. ch.)

VENEZUELA

4780 02:52 L V de Carabobo ID's at 02:59 and 03:06 LA Mx, CW QRM and moderate het (probably the same always-present QRM that I get here. ch.) (333 6/7 Havrilko-UK)(Robinson-TN)(D'Angelo-PA)  
4830 02:49 R Táchira really bouncy merengue, 02:51 TC "53 minutos en R Táchira" 333 5/26 Westenhaver-PQ)(Havrilko-UK)  
4840 02:53 R Valera (tent) pop Mx, at 02:56 anmt with "Trujillo", unid anthem (state ?), brief anmt and Venezuelan NA to 03:00\* (222 5/26 Westenhaver-PQ) (between radio law and contracts with the sindicatos, the Venezuelan s/offrs have gotten a bit complicated. the commercial stations play their state anthem, the national stations, of course, don't. both usually have a long list of personnel credits. ch)  
4850 06:01 R Capital top 40 Mx (343 6/6 Havrilko-UK)(Robinson-TN)  
4980 10:30 Ecos del Torbes Banco de Venezuela ad (444 6/12 Robinson-TN) (Dillon-MD)  
5020 03:12 R Nac de Venezuela Tx on National Park, closing anmts for "Venezuela Amiga" // 11860 (433 5/26 Westenhaver-PQ)  
9660 21:00 R Rumbos "Radio Rumbos" ID, Tx abt cine (555 5/23 Robinson-TN)  
11695 04:20 R Nac de Venezuela closing anmts and credits for tech personnel, NA // 11862 (433 5/23 Westenhaver-PQ)(Trotto-FL)  
11862 11:37 R Nac de Venezuela "Onda Latina" Px (Música del Caribe) (444 5/25 Halstead-IV)(Westenhaver-PQ)(Wright-MB)

In one of those inspired moments that leave one wondering why they were so stupid for so long, I built a grayline gadget specifically for DXing Latin America. If you have the SPEEDX booklet on sun times, it's a no-cost item that only involves a few minutes work each month. I'll send the "how to" as a personal letter if you write to me or include a note with your next batch of reports.

73 & CUL

Cal

**LATIN AMERICA**

CARL HUFFAKER  
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11001 Mexico, DF  
MEXICO

*september column*

FREQUENCIES in Kilohertz      DEADLINE: 12th      TIMES/DATES in UTC

We're close to a new season, and by the time this is published we'll be in it, so I've spent the past few days in an overall check of the Central American stations. Because my logs are mainly daytime or fade-in around sunset, they're probably of not much use except to indicate that the station is active, so whenever possible, I'll use other reports. For all of the reports, I was fortunate enough to be able to confirm that each of the stations was active during the first weeks of August, so I'll list Central America separately as an up to date station list at the start of the 87-88 season.

Rather than leave the impression that this is "the QTH" for DXing Latin America, I'll add: Gayle Van Horn sent a 444 log on Ecuador's R Católica Nacional. I last logged them in December and have been unable to pull an ID through the QRM since. Bill Westenhaver and Fred Carlisle both reported Radio Cultura on 17815 kHz. I've yet to hear them. And I no longer hear Radio Popular in Cuenca, or Lesotho for that matter, because of a strong harmonic from a MW station in Mexico. In reading a British column on Peruvians, I was surprised at how many that they consider easy I've never logged. It was small compensation that I tune across a few of their rare stations almost nightly. Especially in the tropical bands, each of you has a QTH that uniquely favors some stations, a point where the QRM has faded and only the station's signal is left. How's DX in your town? It's your reports in the next issue that will answer that question.

And with Central America first, the logs. The language, unless otherwise indicated, is Spanish, and for the Brasileians, Portuguese. Usually, I nominalize the freqs. by dropping the tenths of kHz, and if it's reasonably close, rounding off to the nearest 5 kHz. One can never be very sure of negative information, but I'll add some in the CA section, stations that I normally hear, but have been unable to log recently. Too, I'll make some cautious guesses, stations that I've been unable to ID through the QRM. Perhaps, from your QTH, you have the answers.

BELIZE

3285 00:58 Radio One "Radio One" ID, into EF Nx (343 8/7 ch-MX)

COSTA RICA

- 4832 01:56 R. Reloj Ads & ID (322 6/17 Bishop-NY, Havrilko-UK)  
 5055 00:52 Faro del Caribe Rel Px with US QTH for cassette (333 8/9 ch-MX)  
 5955 22:26 R Casino soul Mx, TC, & ads. (343 8/10 ch-MX) (no ID here, but ads gave the prices in Colons. They seem to be having Xmtr problems. For several days now, I've heard them for short periods with their USB in the clear just above the QRM on 5955, but disappearing suddenly from time to time. ch.)  
 6006 06:05 R Reloj "R Reloj, número uno en Costa Rica, gracias a usted" (333 6/21 Westenhaver-PQ)  
 6070 ----- R Rumbo (no sign of anything here, nor of anything under L V de Junco on 6075 kHz, their old frequency. ch)  
 6140 22:11 R Impacto "R Impacto" ID in Px of pop Mx (444 8/7 ch-MX)  
 6150 20:37 R Impacto "Impacto" ID at 20:43, pop Mx (343 8/8 ch-MX) (this is their frequency most of the time. ch.)  
 6175 ----- Faro del Caribe This one is reported from time to time, but I've never heard them. ch.)  
 15460 21:40 AWR EE anmts, rel. Mx, 22:02\* (252 7/6 Carlisle-WA)

GUATEMALA

- 2360 11:32 R Maya rel Px // 3325 kHz. (444 8/8 ch-MX)(this frequency is only used occasionally. ch.)  
 2390 ----- L V de Atitlán (not logged since last month. ch.)  
 3300 02:40 R Cultural LA Mx (433 6/24 Bishop-NY)  
 3325 10:34 R Maya time given "en Radio Maya" (444 8/8 ch-MX)  
 3360 00:37 L V de Nahuala "Programa Mam", local Mx with DJ in Mam, ID in Mam at 00:41 (343 8/7 ch-MX)  
 3370 00:34 R Tezulutlán Tx about Coban, ID "R Tezulutlán" (343 8/7 ch-MX)  
 3380 00:46 R Chortis pop marimba Mx "Radio Chortis" ID (343 8/7 ch-MX)  
 4825 22:41 R Mam dedications and ID in Mam, the Mx best described as cumbias on marimbas and trumpets (333 8/6 ch-MX)  
 4835 01:45 R Tezulutlán full ID, 2 OM with Nx (434 7/11 Van Horn-FL)  
 5955 05:28 R Cultural EZL Mx, "Radio Cultural" ID (322 8/9 ch-MX)  
 5980 ----- Union Radio (no log for a year now. I sometimes hear them through XEUV in Mexico. ch.)  
 6180 ----- L V de Guatemala (not logged since 11/86. possibly definitely inactive as they did not come on for the Central American presidential summit. ch.)

HONDURAS

- 3250 00:30 R Luz y Vida "Radio Luz y Vida" ID in Mx Px (343 8/7 ch-MX)  
 4755 00:25 Sani Radio 2 "Sani Radio" ID's at 00:31 US & LA pop Mx (444 6/25 Havrilko-UK)(Bishop-NY)  
 4820 01:27 L V Evangelica ID, "Through the Bible" in SS, listeners' letters (433 6/17 Bishop-NY)  
 4910 01:06 L V de la Mosquitia LA ballads, ID at 01:24 (332 7/21 ch-MX)  
 (Bishop-NY also heard them on 6/17, but listed them UNID. these are fairly old reports, and I haven't been able to ID them since. ch.)  
 6075 23:00 L V del Junco ID "transmite La Voz del Junco" (232 8/6 ch-MX)

MEXICO

- 2390 22:55 R Huayacocotla propaganda Px on socialism, 15th anniversary promo-- for the Px, the station is close to 20 -- into LA Mx (444 8/6 ch-MX)  
 5980 22:15 XEUV "Radio Canal Libre" ID, into Nx (444 8/7 ch-MX)  
 6020 21:09 "La U de Veracruz" election promos, musical "X-E-U de Ver-A-Cruz" (444 8/8 ch-MX)  
 6045 20:58 R Univ de San Luis Potosi opera which ran on and on (343 8/8 ch-MX)  
 6105 21:08 Sus Panteras ad block with ID 242 7/28 ch-MX)(their signal has been getting weaker for a couple of years now. ch.)  
 6115 ----- R Univ de Sonora here, they're a sometimes thing, and I didn't copy an ID this month. ch.)  
 6165 21:11 XEW afternoon Tx show on mod Mx (444 8/8 ch-MX)  
 6185 21:16 R Educación non-stop OA type Mx, "Radio Educación" ID at 21:27 (444 8/8 ch-MX)  
 9515 21:35 XEW Tx show, ads for Cozumel & Carta Blanca (434 8/8 ch-MX)  
 9555 ----- La Hora Exacta (evidently inactive again. MW still 24hrs. hh.)  
 9600 18:42 R Universidad dramatic Px on the economy, "Radio UNAM" ID (pronounced you nam) (343 8/6 ch-MX)  
 9680 18:45 XEQ a lot of promos and ads, Mx ID "X-E-Q radio" (343 8/6 ch-MX)

RMI active on all frequencies. XEQC, MW 1600 kHz in Veracruz has strong harmonics on 3200 and 4800 kHz. They frequently ID as "La Panter". The SW frequencies are unintentional, so they don't qualify for SPBEX, but they could cause confusion. ch.)

BOLIVIA

- 4795 10:52 R Nueva America ad block, obra de mano promo, fast RNA ID. (434 8/8 ch-MX)  
 4845 09:10 R Fides andean Mx, Tx about La Paz (322 7/21 Van Horn-FL)(at times, their ID is a bit tricky "fee DEZ, la Paz", and on a poor signal, sounds almost repetitious. ch.)  
 4945 10:07 R Illamani mixing with Caracol & Radiobras, Nx, ID, andean Mx (333 7/21 Van Horn-FL)  
 6106 \*11:03 R Panamericana organ IS, s/on ID, "esta es La Paz", TC, EZL Mx (434 7/19 Van Horn-FL)

BRASIL

- 3375 10:35 R Ed, Guajará Mirim usual Brazilian ballads, long ID at 10:40 with freqs, power and QTH (434 8/8 ch-MX)
- 4755 02:19 R Ed Rural, Campo Grande ID's "Rural" with 580 MW freq, Brasopops (333 6/26 Westenhaber-PQ)(343 09:32 7/16 Van Horn-FL)
- 4805 23:00 Rdif do Amazonas Brazilian pops, Id at 23:09 "Gobal", other "Global" ID's later (343 6/19 Havrilko-UK)(Trescher-PA)(Bishop-NY)(they also ID Rdif do Amazonas. ch.)
- 4815 01:25 R Nac de Tabatinga Nac ID, pops & ballads (434 7/12 Van Horn-FL)
- 4825 09:19 R Ed Braganca Brasopops with many break-in's, ID "Educadora do Brasil" (433 8/8 ch-MX)
- 4845 02:08 R Nac do Amazonia LA Mx (322 6/17 Bishop-NY)(Havrilko-UK)
- 4875 10:02 R Nac, Boa Vista Nac ID's, Brasopops (444 7/21 Van Horn-FL)(Bishop-NY)
- 4880 09:48 Rdif Acreana sermon (323 7/19 Van Horn-FL)
- 4885 01:50 R Clube do Para soccer with goaaaals (434 7/12 Van Horn-FL)(Bishop-NY)
- 4905 09:20 R Relogio Federal ballads, rapid ID's and ads. Nx format at 09:30 (434 7/21 Van Horn-FL)(Gayle, I've heard them after 09:00 still running their time every minute with three time ticks format, and with Araquaina also on the air and the time signals mixing with their Px. You're in a good location, so if you can copy the ID's it'll help straighten out the situation for the rest of us. ch.)
- 4915 08:09 R Anhanguera upbeat Mx, many ID's (343 7/18 Kline-CA)(Westenhaber)
- 4915 00:52 R Sao Paulo ID's as R Sao Paulo, a Christian station (433 6/28 Bishop-NY) (This one sent me checking the lists, Forrest. I have a construction permit listed for Radio Ji-Paraná which is up in Roraima and a note from some old radio broadcast mentioning a Brazilian, Radio Marinoco, on the frequency, but neither seems to fit. A Catholic station could be named after the saint, not the city, so try to copy more data. ch.)
- 4945 03:04 R Nac, Porto Velho Nx, RN ID's (333 7/30 D'Angelo-PA)(Van Horn-FL)
- 4985 07:18 R Brasil Central ID, ad, ballads (Shanklin-MA)(Havrilko-UK)
- 5015 10:20 R Cult de Cuiabá usual morning ballads ID at 10:24 "Radio Cultura, Cuiabá" (322 7/22 ch-MX)
- 5035 09:30 R Aparceida off-hand ID at 09:38 in a long rel Px (343 7/22 ch-MX)
- 6010 08:45 R Inconfidencia barnyards sounds under DJ Tx, ballads, jingle ID at 08:00 (344 7/4 Shanklin-MA)
- 6180 09:33 R Nac de Amazonia Mx Px, many ID's (454 7/23 Kline-CA)(Shanklin-MA)
- 9695 12:00 R Rio Mar Mx, ads, jingle ID (211 6/25 Shanklin-MA)
- 11745 02:00 R Nac do Brasil EE Px (544 7/14 Jones-TN)(Bishop-NY)(Kline-CA)(Langlois-FL)
- 15190 00:55 R Inconfidencia play by play sports (333 7/12 Van Horn-FL)
- 15135 01:15 R Record Brasopops & sports (322 7/12 Van Horn-FL)
- 15265 18:48 Radiobras EE Px, ID at 18:48, IS at 18:50 (555 6/17 Havrilko-UK)
- 17755 17:12 R Nac do Brasil Radio Surinam SS Px (222 7/17 Johnson-CA)
- 17815 23:32 R Cultura, Sao Paulo ID with freqs & QTH, then música popular brasileira (343 6/19 Westenhaber-PQ)

CHILE

- 15140 23:30 R Sistema Nacional soccer game with Catholic University, ads (444 7/29 Halstead-WV)

COLOMBIA

- 4815 04:29 R Guatapuri folkloric Mx, ID and off at 04:56 after a few seconds of NA (343 6/21 Westenhaber-PQ)
- 4845 03:05 Caracol, Neiva Caracol ID's, ads, jingles, chatty ancr (433 7/12 Van Horn-FL)(Westenhaber-PQ)
- 5095 02:07 R Sutatenza cmtry by fast talking YL (323 7/3 Trescher-PA)(Van Horn-FL)(Havrilko-UK)

ECUADOR

- 3240 11:02 R Antena Libre signing on with a long OM/YL full ID (434 8/8 ch-MX)
- 3280 09:58 L V del Napo harp Mx until s/on in mixed SS and Indian langs, into "saludos at 10:02 (434 8/8 ch-MX)
- 3285 09:36 L V de Rio Tarqui tropical Mx with offhand "Rio Tarqui" ID's, full ID at 09:49 "La Voz de Rio Tarqui" (433 8/8 ch-MX)(have been coming in well the past two weeks. previously an OC blocked 10:00 to 11:00 time window before Belize s/on. ch.)

ECUADOR (cont)

- 3315 11:02 R Pastaza ballads, promo with El Puyo QTH, into Andean Mx (333 8/4 ch-MX)
- 3360 03:05\* R Federación ballads, mentions of Suoua, NA, // 4960 (222 7/17 Flynn-CA) (I dropped the tent on this one as, except for soccer and special broadcasts, the parallels are a fairly good identification, as is the NA on the low frequencies. ch.)
- 3380 10:43 R Iris GMT-5 TC, ref to station, & into pop Mx (422 8/8 ch-MX) (it's sometimes hard to catch this ID. the "I" is pronounced "E" and the accent moves toward the end. when they speak fast, it's a sound entirely alien to English. ch.)
- 3394 01:10 R Zaracay radio drama(?), flute Mx, TC (334 7/11 Van Horn-FL) (Havrliko-UK)
- 4795 01:05 L V de los Caras ID, but so under a UTE that I couldn't copy more than "kHz" and "Caras" (311 8/6 ch-MX)
- 4820 08:59 R Paz y Bien rel Mx, short ID, theme "Buenas Dias, Señor" and then the HC NA at 09:02 (333 8/8 ch-MX)
- 4850 10:45 R Luz y Vida folk Mx, ads & ID (433 7/21 Van Horn-FL)
- 4870 02:20 R Rio Amazonas ESL & bouncy pops Mx, ID (444 7/11 Van Horn-FL) (Bishop-NY)
- 4890 01:40 R Centinela del Sur guitar ballads, local ads (433 7/12 Van Horn-FL) (D'Angelo-PA)
- 4920 01:45 R Quito lite pop Mx, "Radio Quito, la Voz de la Capital" ID with harp (333 7/26 Dillon-MD)(Trescher-PA)(Bishop-NY)(Havrliko-UK) (Wright-MB)
- 4960 01:30 R Federación ID & into LA Mx (433 6/28 Bishop-NY)(Van Horn-FL)
- 5040 00:10 L V del Upano folk Mx, Tx about Macas, "esta es Upano" (444 7/12 Van Horn-FL)
- 5055 00:25 R Católica Nacional rel organ Mx & sermon Tx (444 7/12 Van Horn-FL) (since the summer of '85 when I logged it regularly, I've heard this station just once, and then through heavy QRM. It appears from time to time with a good signal on the east coast, and has been a powerhouse. It's real DX to most, so amplify the Px details, and try for an ID. ch.)
- 5060 01:10 R Nac Progreso rel Tx with a reference "aqui en Loja", "Progreso" ID and into LA pop Mx at 01:12 (322 8/6 ch-MX) (this station is still rather variable in frequency. It's been slowly drifting lower and the old 5065v listing seems obsolete. ch.)

HCJB was reported on 3220, 6205, 9870, 15155 kHz. Details on their many transmissions and frequencies are best found in Ralph Bowden's column and in the complete program schedule published by the station.

FRENCH GUYANA

- RFI on with their many SS/EE/FF broadcasts. The two local tropical band stations active as scheduled. AND .....
- 4890 04:27 Radio France International EE N1 and ID, into FF at 04:31 (444 8/5 ch-MX)(and with Radio Moscow adding a 4750 // to their 4765 Cuban outlet, the friendly local broadcasts that attracted so many of us to Latin America on 60 could become an endangered species. ch.)

PARAGUAY

- 9735 22:35 R Nac de Paraguay ID and into Px of LA Mx (454 7/28 Leite-MA) (Flynn-CA)(George-MA)(Worob-TX)

Before I start on Peru, I've received several letters asking if I was near the plane crash here in Mexico. Fortunately, I and all the family were home at the time and not on that section of highway that we frequently travel. It was up the street, about 5 km from here just after Reforma joins two other main arteries and becomes, at that hour, 8 lanes of bumper-to-bumper traffic. The Mexican emergency crews did a heroic job, for when the plane shattered and spilt a full load of hi-octane which burnt, they not only managed to rescue survivors, but kept the fire from a service station a few meters away. I had three receivers and two TV's on the coverage. The ability of radio to better cover news events was extremely apparent. When you add the ability to tune the UTE's, one begins to understand why the DXer, propagation permitting, has more access to late news than many TV reporters who sit at a desk and project their personality via the tube. DXing's spin-off, the knowledge of what you can hear when, is basic. I'd like to thank you for your concern, and for everyone, thank you for your reports. They're the knowledge that brings the world to each of us.

PERU

- 3230 10:31 El Sol de los Andes LA Mx, ID, part of an anmt "El Sol de los Andes" (242 7/31 ch-MX)
- 3330 10:59 Ondas de Huallaga Tx over Mx, break in ID at 11:03 "Ondas de Huallaga", OA Mx (232 7/31 ch-MX)
- 3340 05:26\* R Altura Px of OA Mx with many dedications, ID in final before NA, good copy between breaks in talkative UTE's (333 7/16 ch-MX)
- 4755 04:40 R Tarma romantic Mx, dead air between selections, promo for stereo at 04:56, ID at 05:01 "R Tarma ... transmite en stereo" extremely deep fades (332 7/17 ch-MX)
- 4790 04:50 R Atlántida Mx, ID (211 7/28 Shanklin-MA)(Bishop-NY)  
(Van Horn-FL)(Havrliko-UK)
- 4810 10:40 R San Martín folk Mx, ID, TC (333 7/19 Van Horn-FL)
- 4825 10:09 L V de la Selva full ID over drums, drum & whistle theme (434 7/22 ch-MX)
- 4885 05:49\* R Huancavelica long, repeated full ID with echo, OA NA (333 7/22 ch-MX)
- 4890 11:33 R Huanta cmtry on economic situation, education, on not raising "coca", promo for US products, "R Huanta" ID at 11:48 (333 7/17 ch-MX)
- 4910 10:12 R Twantinsuyo talkative DJ with OA Mx and many dedications, off hand ID at 10:16 (232 7/31 ch-MX)
- 4935 09:52 R Tropical guitar & vocal Mx, "Tropical" at 10:00, ad for "Andino" PSA's (333 7/22 ch-MX)
- 4950 02:30\* R Madre de Dios full ID at final, NA (almost no copy through a local thunderstorm)(342 7/27 ch-MX)
- 4961 02:40 R San Miguel(6) OA Mx, no ID, het from Federación before 03:00 (342 7/21 Flynn-CA)(R San Miguel is scheduled off at 02:00, and 4 kHz is a bit far for a het to bother much. You may have had a rare one, R La Merced, 4960 in Huancayo, so keep trying for an ID. It's accidental, but the column tends to reflect reception in eastern and central US, so you should log some the others don't. ch)
- 4970 05:30 R Imagen LA pops, a Saturday night all nighter, ID "Imagen, su radio" (333 7/19 ch-MX)
- 4975 00:56 R del Pacifico ad block until 01:03, ID "esta es Radio del Pacifico" an unusual ID as they didn't mention FM (333 7/21 ch-MX)
- 5030 11:23 R los Andes Px of OA Mx "Buenas Dias, Peru", ID "Radio los Andes" 434 7/17 ch-MX)
- 6115 09:40 Unión OA folk Mx, ID (444 7/21 Van Horn-FL)

VENEZUELA

- 3225 10:56 R Occidente signing on with full ID (343 8/8 ch-MX) ch-MX)
- 3275 10:21 R Mara rel Tx about SIDA (SS for AIDS), full ID at 10:29 (343 7/31)
- 4780 02:24 L V de Carabobo horse race fanfare, ID, Nx at same pace (322 6/26 Westehaver-PQ)(Van Horn-FL)(Bishop-NY)
- 4830 01:05 R Táchira LA Mx, ID between each selection (322 7/26 Dillon-MD)  
(Bishop-NY)(Van Horn-FL)(Westehaver-PQ)(Havrliko-UK)
- 4840 09:32 R Valera (444 7/21 Van Horn-FL)
- 4850 02:08 R Capital US rock, TC's & ID's (333 7/26 Dillon-MD)(Havrliko-UK)  
(Bishop-NY)(Van Horn-FL)
- 4980 01:43 Ecos del Torbes Full ID, Nx (444 6/25 Havrilko-UK)(Dillon-MD)  
(Van Horn-FL)(Trescher-PA)
- 9660 12:49 R Rumbos ID, Mx, "Radio Rumbos informa" Nx (222 6/24 Shanklin-MA)

A note on Nicaragua. I caught the end of Ortega's speech about the CA summit, 6100 kHz at 19:59 on 8/8. On the hour, they ID'd "La Voz de Nicaragua" and "Escucha Nicaragua", then told the stations to return to their normal programs, and left the air. Over a hour earlier, I had noted the station playing nothing but Cuban music with dead air between the selections. The pattern of this special broadcast closely parallels that of Guatemala except the preliminary music fill in Guatemala is marimbas, their national music, and in Nicaragua .....

That's another month. Looking forward to an early demise of the summer static,

CU in 30

*Cal*

**EUROPE**

Daniel Sampson  
Route #1, Box 36  
Black River Falls, WI 54615-9714

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



Destination: \_\_\_\_\_

Flight   

Seat Window Center Aisle

BOARDING PASS

**EUROPE**

- ALBANIA** Radio Tirana  
7065 0356 RT EE; YL, closedown (555 7/3 Trescher-PA)  
7300 0105 RT SS; ID, nx (433 7/16 Estes-MS)  
16230 0513 RT CC; "Dilana guangbo dian tai" IDs, YL w/ tik on Albanian  
class mx (fr-gd 7/24 Famularo-Japan)
- AUSTRIA** Radio Austria International  
9550 0425 RAI EE; "Rpt from Austria," Aztec exhibition at the Linz Capital  
Museum, "Postbox 700" (454 7/6 Kline-CA) (Langlois-FL) (Johnson)  
9585 2105 RAI EE; wld nx, rpts on Vienna coffee shops, wld cycling meet,  
2130x, to SEAsia (gd 7/18 Famularo-Japan)  
15320 1252 RAI EE; nx on Austrian swimming/diving team, OM w/ ID, freq sked  
to Nam (433 7/23 Abbinante-MD)  
15410 0905 RAI EE; ID, DX pgm, historical stations signal, Mozambique,  
Tanzania, Nigeria, // 6000 & 6155 (444 7/18 Gager-Austria)
- BELGIUM** Belgische Radio en Televisie  
9790 2330 EE; "Brussels Calling," "R. Wld," "Mx Box" w/ folk mx (343 7/19  
djs-WI)  
15590 1342 EE; "Radio World," Belgium may be getting a new network of  
regional FM stations (333 7/27 Westenhaber-QU)
- BULGARIA** Radio Sofia  
7115 0351 RS EE; "Cultural Life Review," intvw w/ visiting Western  
violinist who gives seminars in Bulgaria (434 8/2 Westenhaber)  
7670 \*0256 Stolnik Bulgarian; soft inst mx for IS, s/on ID anmt by OM, 0300  
time pips, OM w/ nx (353 8/1 D'Angelo-PA)  
9700 2030 RS EE; tik of brain function/nervous system, Bougas-The Black  
Sea (555 7/20 Robinson-TN) (Kline-CA)  
11940 2100 RS EE; tik of missiles in Eur., arms race & non-aligned movement  
(444 7/23 Robinson-TN)
- CZECHOSLOVAKIA** Radio Prague  
5930 \*0100 RP EE; YL tiking of the nuclear freeze (555 7/31 Leite-MA)  
7345 0116 RP EE; nx about Chernobyl trail, ID (434 7/29 Worob-TX) (Miller)  
9540 0100 RP EE; nx, editorial comtries, folk song, exhibitions of  
co-operation, spts roundup (232 6/23 Wright-ME)
- DENMARK** Radio Denmark  
15165 1636 Danish; Danish comtry (232 7/18 Estes-MS) (Wakefield-IA)  
17850 1500 Danish; ID in EE (333 7/26 Gager-Austria)
- FINLAND** Radio Finland  
11755 0430 RF EE; wld nx, press review, Gulf War discussion (433 723  
Shaffer-PA) (Kline-CA)  
15305 2101 RF EE; YL w/ tik on Persian Gulf, OM w/ mx show, 2127\* (444 7/30  
Leite-MA)  
15400 1304 RF EE; OM w/ nx, tik on Helsinki stock exchange, tik of big  
growth, "Northern Rpt" (443 7/23 Abbinante-MD) (Miller-CA)

**FRANCE Radio France International**

7135 0414 RFI EE; nx, ID, // 7175 (333 7/20 Wakefield-IA) (Miller-CA) the RFI sked list this freq at this time as both from France and Gabon.-ed.

9715 0015 RFI FF/SS; tlk, ID, wld nx (555 7/31 Miller-CA)

15300 1110 RFI EE; nx, // 17620, 9805, 11845, 17850, 11670, 15315 & 21620 (333 7/23 Gager-Austria)

17620 1622 RFI EE; "Paris Calling Africa," Christopher Welles, developments in Africa (233 7/21 Miller-CA) (djs-WI) (Abbinante-MD)

**GERMAN DEMOCRATIC REPUBLIC R. Berlin International**

6115 1205 Youth R. ID64 via Stimme GG; pop mx, FM pgm via SW (444 7/24 Gager-Austria)

9560 0356 REI EE; "Panorama," exchange of school children betw. E. Germany & Poland, jazz (554 7/18 Kline-CA) (Miller-CA)

9620 0335 REI EE; nx, turmoil w/ Iranians in Mecca, Gulf mine sweeping, 0340 internal nx (322 8/2 Munster-GA)

9730 2327 REI EE; wld peace tlks, 'Berlin, Peace City' (444 7/4 Hawkins)

15240 1212 REI EE; "Round About the GDR," history & uses of Berlin's Town Hall (333 7/28 Halstead-WV)

17880 1257 REI EE; contry on 'zero-option,' ID, GDR housing, sked, into Hindi ID 1315 (fr-gd 7/16 Famularo-Japan)

**GERMAN FEDERAL REPUBLIC**

6030 1700 Süddeutscher Rundfunk GG; ID, wld nx, Chile, Kuwait, Gulf War (333 7/30 Gager-Austria)

6075 0808 Deutschlandfunk GG; ID, Catholic Mass, // 9545 (444 7/26 Gager)

6085 0129 DW EE; tlk about Germans & sauerkraut (524 7/14 Trescher-PA)

6085 1600 Bayerischer Rundfunk GG; ID, nx, Bonn, USA (333 7/30 Gager)

6190 1140 Sender Freies Berlin I GG; pop mx, tlk about weekend coming (444 7/24 Gager-Austria)

6190 1502 R. Bremen GG; wld nx, wx, traffic (333 7/24 Gager-Austria)

7205 1800 Südwestfunk GG; ID, wld nx, pop mx (333 7/28 Gager-Austria)

9605 0120 DW EE; press review, explosion at Canadian Forces base, "Germany Today" (533 7/9 Wright-ME) (Brown-IL)

9765 0500 DW EE; African nx (333 7/4 Hawkins-TX)

**GREAT BRITAIN British Broadcasting Corporation**

5975 0000 BBC EE; wld nx, "News about Britain," "Radio Newsreel" (433 7/24 Dillon-MD) (433 7/16 djs-WI) (Brown-IL)

7120 0116 VOA relay Georgian; ID, nx, ment Foindexter (555 7/17 Trescher)

7170 0442 VOA relay EE; "VOA Sunday Morning," rpt on the Woman's Rights Movement, country mx (333 8/2 Brown-IL)

7185 0437 BBC EE; "Review of the British Press" (242 7/14 Wakefield-IA)

7200 0430 VOA relay EE; spts, British Open (333 7/20 Wakefield-IA)

7325 0000 BBC EE; wld nx, "News about Britain," "Radio Newsreel" (444 7/17 Dillon-MD) (Miller-CA)

9410 0400 BBC EE; nx, decision about Gov't endeavor to suppress intelligence reporting, mx for guitar (343 8/2 Munster-GA)

9915 0000 BBC EE; wld nx, "News about Britain," "Radio Newsreel" (333 7/27 Dillon-MD)

15070 1250 BBC EE; intvw w/ long distance runner, Davis Cup Tennis nx (333 7/23 Abbinante-MD) (Kline-CA)

**GREECE Voice of Greece**

7430 0040 VOG Greek; Greek mx (444 7/16 Estes-MS) (Langlois-FL) (Dillon)

9420 0047 VOG Greek; YL w/ jazzy Greek mx (454 7/21 Bush-OH) (Worcob-TX)

11595 1555 Thessaloniki Greek; ID, local nx, 1600 folk mx, // 9935 (444 7/25 Gager-Austria)

11645 1540 VOG EE; ID, nx for NAM, folklore mx, // 15630 & 17565 (444 7/25 Gager-Austria)

11925 0420 VOA relay EE; nx of Gulf War & Italian political strategy (333 7/14 Shaffer-PA)

15630 1535 VOG Greek; OM vocals w/ Greek folk mx (333 7/15 Abbinante-MD)

21490 1425 VOA relay Urdu; tlk on Iran/contra affair, EE ID @ 1430#, site presumed (gd 7/7 Famularo-Japan)

**HUNGARY Radio Budapest**

9520 0105 EE; OM w/ wld nx, "Hungarian Week" (43 7/21 Bush-OH) (Wakefield)

9835 0305 EE; wld nx, mostly Eur. items (7/19 Jones-TX)

**ITALY Radiotelevisione Italiana**  
6060 2303 RAI-UNO 11/EE; nx, ID, 2330 FF, 2333 GG nx (444 7/25 Gager)  
7257 0730 Adventist Wld R. EE; ID, rel pgm (333 7/26 Gager-Austria)  
9575 0100 RAI EE; nx rpts incl. Italian politics & summer festivals, //  
11800 (444 7/14 Fraser-MA) (djs-WI) (Langolis-FL) (Worob-TX)  
11800 0425 RAI II; 11 pop mx, nx, spts after ID @ 0436 (343 7/14 Shaffer)

**LUXEMBOURG Radio Luxembourg**  
6090 0020 EE; OM, mx, severe fading until 0030 then OK (433 7/27 Coleman)  
15350 2020 FF; American Country Mx, recordings of US C&W stations (333 7/19  
Shaffer-FA)

**MALTA IBRA Radio**  
6110 2045 IBRA EE; ID, rel mx (333 7/25 Gager-Austria)  
9700nf 0340 DW relay EE; "Lernt deutsch..." (GG lesson in EE), site ID @  
0350; CW QRM (433 8/2 Munster-GA)  
9735 0159 DW relay EE/GG; IS, site anmt, into GG nx (545 7/15 Worob-TX)  
21560 1407 DW relay Indonesian; British rock mx, "Inilah DW," 1420\*, site  
presumed (fr 7/19 Famularo-Japan)

**MONACO Evangeliums-Rundfunk via TVR-Monte Carlo**  
6230 1315 GG; ID, DX mix about R. Algier, Kabaul (444 7/25 Gager-Austria)

**NETHERLANDS Radio Nederland**  
6020 0229 EE; IS, ID, nx, European grain tlks, "Newslines," UN conf. on  
trade (433 7/9 Brown-IL) (Miller-CA)  
11730 0235 EE; nx, "Newslines," proposals to strengthen NATO in Eur,  
diplomatic meeting in Seoul (443 6/25 Wright-MB) (Brown-IL)

**NORWAY Radio Norway International**  
11865 1958 RNI EE; Norw./EE ID, "Norway Today," expulsion of Norw. & Soviet  
diplomats (322 8/3 Brown-IL)  
15305 1308 RNI EE; "News & Views" (444 7/19 Wakefield-IA)  
15310 1800 RNI EE; IS, ID, This Week in Norway (222 7/12 Brown-IL)

**POLAND Radio Polonia**  
9525 0300 RP EE; uncovered by R. Marti 0300\*, OM/YL w/ tlk, piano mx, 0332  
ID (141 7/30 Laves-TX)  
11815 0203 RP EE; YL w/ nx, ID, contry on proposed joint French-German  
military batallion (322 7/8 Westenhaver-QU)

**PORTUGAL Radio Portugal**  
6095 0300 RDP EE; where to go in Portugal (333 7/15 Johnson-CA) *RDP is  
sked for 9705 as this time, I don't know what they're doing on  
this freq.-ed.*  
9670 0815 Adventist Wld R. EE; ID, DSWC1 DX pgm (333 7/18 Gager-Austria)  
9705 0300 RDP EE; ID, mx, nx, Waldheim considers relations w/ Portugal to  
be good (222 8/4 Brown-IL)  
17835 1610 R. Free Europe Slovak; OM w/ tlk ment Czechoslovakia, weak  
jamming (fr-gd 7/13 Famularo-Japan)

**ROMANIA Radio Bucharest**  
6155 0214 RE EE; peasant culture in Wallachia (222 7/20 Wakefield-IA)  
9510 0400 RE EE; ID (343 7/17 Estes-MS)  
9570 0159 RE EE; OM/YL, trumpet? IS, YL w/ ID, NAM svce (433 7/8 Worob-TX)

**SPAIN Radio Exterior de España**  
6125 0500 REE EE; nx, Iran families wait for the word on Pilgrims, Spain  
will now be allowed to fish in Morocco (444 8/2 Brown-IL)  
9360 0219 REE SS; OM/YL, fast tlk, ID (444 7/8 Worob-TX)  
9630 0100 REE EE; ID, int'l nx, Spanish lessons (444 7/31 Addison-KS)  
11880 0100 REE EE; ID, nx of Basque terrorists attack (555 7/14 Jones-TN)

**SWEDEN Radio Sweden International**  
9675? 0229 RSI EE; IS, ID, nx, rpt on India, Nordic folk mx (444 7/13  
Brown-IL)  
9695 0230 RSI EE; nx about Sweden (444 7/3 Lort-CA) (Langlois-FL) (Wright)  
11705 2309 RSI EE; "Nordic Newsweek," racism against Gypsies (333 7/18  
Wright-MB)

SWEDEN continued

15345 1400 RSI EE; "Sweden Calling DXers," FIDO bulletin board (344 7/14 Johnson-CA) (Hawkins-TX)

SWITZERLAND Swiss Radio International

6135 0256 SRI SS; YL/OM, s/off "Buenos Noches" (544 7/3 Trescher-PA)  
 7210 1140 Int'l Committee of the Red Cross FF/GG/SS; ID, nx, mailbag (333 7/26 Gager-Austria)  
 9725 0405 SRI EE; nx in EE, GG @ 0430 (333 7/4 Hawkins-TX) (Langlois-FL)  
 9885 0420 SRI EE; "Swiss SW Merry-Go-Round," technical questions from mail (533 7/19 Flynn-CA) (djs-WI) (Kline-CA) (Brown-IL)  
 12035 2118 SRI EE; OM w/ tlk on film making in Switzerland & vacations on Lake Geneva (343 7/21 Abbinante-MD) (Miller-CA)  
 21695 1344 SRI EE; Amnesty Int'l criticizes Kenya, Swiss rock concert, sudden transmission break 1354 (fr-pr 7/22 Famularo-Japan)

U.S.S.R. (European) Radio Moscow

4940at 0043 Kiev RR or Ukraine?; RR style mx (433 7/13 Trescher-PA)  
 5905a 0003 R. Stat. Peace & Progress RR; contry, RCI QRM (524 7/14 Trescher-PA)  
 5925 2005 Tallin Swedish; ID, tlk, mx (333 7/25 Gager-Austria)  
 7105 0403 RM Serpuhkov? ERSFSR SS; ID "Aqui RM" (555 7/3 Trescher-PA)  
 7165 0155 RM Lvov Ukraine (RDI) EE; tlk about nuclear waste (555 7/17 Trescher-PA)  
 7205 2030 Minsk GG; ID, nx, WWII memorial, agriculture, // 6185 (333 7/25 Gager-Austria)  
 7260 0130 R. Rodina RR; pgm of Russian EZL mx, // 7340 (555 7/17 Fraser)  
 7260 2200 R. Vilnius EE; tlk of arms race, "The Way We Live," tlk of stillife & landscapes (444 7/10 Robinson-TN) (Gager-Austria)  
 7260 2345 R. Kiev EE; "A Country in the Making" series, agricultural progress since the Oct. Revolution (454 7/16 Fraser-MA)  
 7340 0227 Mamayk RR; accordian mx, IS, TC for 0530 Moscow time, readings from Pravda (333 7/12 Westenhaber-QU)  
 9640 2330 R. Kiev EE; nx, contry, "Music from Ukraine" featuring a friendship concert by the Ukraine & US (434 7/26 Weis-OH)  
 9710 2258 RM FF; ID as "R. Central do Moscu," sked given as 1900-2200 Brasilia time in 25, 31, 41 mb (333 7/5 Westenhaber-QU)  
 11675 2115 RM EE; OM w/ ID, wld nx (333 7/26 Addison-KS)  
 11780 1923 RM EE; "Science & Engineering" w/ tlk on nuclear weapons (232 8/5 djs-WI)  
 11845 0215 RM Kazan ERSFSR (RDI) EE; "The Way We See It," accusations of attempts by US to cause subversion in Soviet Gov't (433 7/18 Wright-ME)  
 11980 2129 RM EE; Marina Dudina closes, "Focus on Asia & the Pacific," ID, nx in brief, to Europe (343 7/25 Westenhaber-QU)  
 17885 1300 R. Rodina RR; ID, folklore mx, tlk about culture, politics, // 17820, 15545 & 12070 (444 7/25 Gager-Austria)

VATICAN CITY STATE Vatican Radio

11780 0105 VR EE; nx of N. & LAM, Cent. Am. peace plan, off @ 0110 (444 7/22 Miller-CA)  
 15120 1517 VR IS, unknown lang (232 7/18 Estes-MS)  
 17870 1450 VR EE; tlk on African drought & insurgencies in Nicaragua & Mozambique, ID @ 1456\* (fr-gd 7/16 Famularo-Japan)

WEST BERLIN RIAS-Berlin

6005 1100 GG; ID, special sw pgm every Sunday (444 7/18 Gager-Austria)

YUGOSLAVIA

7200 2000 Beograd Serbo-Kroat; ID, wld nx (333 7/27 Gager-Austria)  
 7240 0745 Pristina Albanian; ID, folk mx (444 7/26 Gager-Austria)  
 7240 0805 Skopje Macedonian; ID, wx, heatwave, folk mx (333 7/26 Gager)  
 7240 0900 Novi Sad Serbo-Kroat; ID, folklore mx (444 7/25 Gager-Austria)  
 7240 2015 Ljubljana GG/EE; ID, GG nx, 2020 short EE nx (444 7/27 Gager)

UNIDENTIFIED

7404 0045 GG; IDs (242 7/16 Estes-MS)

73's  
*Lanil*

# 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.

OK, boys and girls, summer vacation is over. Time to dust off the old rig and hear what you've been missing. And then tell the rest of us about it, like these nice folks did:

LOGGINGS FOR SEPTEMBER, 1987

Best Bets: ●=ECNA, \* =WCNA

## ALGERIA

- 7145 2235 R. Algiers: AA; tlk abt Maghreb politics, AA mx, TPs/ID @2300, suddenly off @2301\*. 333(7-25 Dillon-MD)
- 9509 1858 R. Algiers: EE; TPs, ID "You are tuned to R. Algiers International Service.", brief mx, nx to 1915, rock mx; no // found. [see next log -ed.] 252(7-18 D'Angelo-PA)
- 9658 1905 R. Algiers: EE; M nx to 1914, lame disco mx after that. Only other //found was 9509. This freq: buzz audio, vy lo mod. 332(8-23 ed.)

## ANGOLA

- 4952.8 2256 R. Nacional: PP; Cuban-style mx to 2258, then W tlk, ID @2303. 333(8-23ed)
- 7245 0603 R. Nacional: PP; W ".R. Nacional da Angola..programa B..", into local mx; fair w/het from 7246 (7-24 Sheedy-CA)
- 9720 0645 R. Nacional: PP; hilife mx, M tlk between selections. 343(7-26 Flynn-CA)

## ASCENSION ISLAND

- 6005 0145 BBC Relay: EE; A Safe Place, pgm hilites, ID/nx. 233(7-17 Miller-CA). @0000 also in EE //6175. 322(7-26 Dillon-MD)
- 7160 0400 BBC Relay: EE; nx abt Portuguese elections. 343(7-20 Wakefield-IA)

## BENIN

- 4870 0540 LV de la Revolution: FF; chitchat between 2 M, ID and nx @0600. 433(7-16 VanHorn-FL)

## BOTSWANA

- 4820 0345 R. Botswana: EE/SeTs; farm animal IS, NA, tlk/nx. 543(7-17 Miller-CA)

## BURKINA FASO

- 4815 0550 R. Burkina: FF; lcl mx on wind instruments, tribal chants, tlk, ID. 444 (7-16 VanHorn-FL)

## CAMEROON

- 4795 2158 R. Douala: FF; hilife mx to 2200, balafon IS, into M nx. 4850 dead. 444 (7-29 George-MA)
- 4850 2304 R. Cameroon: FF; M reads local nx, ID. 242(8-19 ed.) [definitely here and not on 6060 until 0000\* as reported elsewhere.-ed.]

## CANARY ISLANDS

- 15365 2327 R. Exterior de Espana Relay: SS; noticias, ID, pgm on Central America. 433(7-26 Dillon-MD)

CENTRAL AFRICAN REPUBLIC5035 0450 R. Centrafricque: FF; Afropops & tribal mx, M tlc @0500. 253(7-19 Weiss-OH)CHAD

- 4904.5 \*0456 RN Tchadienne: FF; balafon IS (sounds like xylophone), NA, childrens' chorus, M tlc, ID. 252(7-3 Laves-TX). 322(7-3 Worob-TX). @2155 w/signoff routine, off @2200\*. 333(7-30 George-MA)

COTE D'IVOIRE

- 4940 2306 R. Cote d'Ivoire: FF; hilife mx, M dj, some rock mx, ID. 232(7-25 Dillon-MD)
- 6015 \*0558 R. Cote d'Ivoire: FF; OC to 0559 NA, M ID "Ici Abidjan, Radiodiffusion Ivoirienne". 7/7215 (SIO 131). 243(7-11 Laves-TX)
- 7215 0602 R. Cote d'Ivoire: FF; mni IDs, world mx, local mx, African nx. 343(7-25 Soomre-MA). @2200 in FF..333(7-20 George-MA)

EGYPT

- 9475 0212 R. Cairo: EE; AA mx, W reads nx abt Saf bomb explosion, abruptly off @ 0239\*.[Maybe due to aftershock from that bomb.-ed.] 343(7-23 Sampson-WI). 222(7-20 Wakefield-IA). In AA @ 2138...343(7-25 Dillon-MD). 333 (8-4 Brown-IL)
- 9670 2016 R. Cairo: EE; W w/pgm summary, nx headlines. 333(8-23 ed.)
- 9900 0145 R. Cairo: AA; 2 M political discussion, ID by M/W, chimes @0200, ID, world nx. 232(7-25 Dillon-MD)
- 12050 2030 R. Cairo: AA; W dj w/mx from Muhammad Ahmad ad-Dabban [Say, isn't he on the new Michael Jackson LP?-ed.], ID, "Beautiful Language" pgm; world nx @ 2100. 444(7-24 Dillon-MD). 545(7-29 Robinson-TN). 444(7-26 Estes-MS)
- 15632 2038 R. Cairo: FF; pgm of Islamic thought, AA mx; TPs @2100, nx fanfare, W reads nx. Why here? [Just checking to see if you were paying attention, I guess.-ed.] 242(8-1 Westenhaver-QUE)

EQUATORIAL GUINEA4925.8 2140 RN Bata: SS; Afr pop mx to 2144, M nx to 2157, then ID, s/off anmts, usual interminable NA, off @2204\*. 322(8-23 ed.). 232(7-29 George-MA)GABON

- 4777 2246 RTV Gabonaise (t): FF; group tribal mx, brief anmts by M, more same mx, Plenty of UTE QRM to dig through..at least not inactive as I was starting to think. 222(8-19 ed.)
- 4890 0405 R. France Int'l Relay: FF; several IDs, nx abt France, int'l nx. 444(7-12 VanHorn-FL)
- 11800 2345 R. Japan Relay: EE; DX program. 322(7-26 Coleman-MA)
- 15200 1505 Africa #1: EE/FF; cigarette ad, EE ID & African nx, into FF @1508 w/tlc abt "Une match de la football". 353(7-20 Kline-CA). 333(7-11 Westenhaver-QUE). 343(7-21 Abbinante-MD)
- 15475 1935 Africa #1: FF; eclectic mix of mx: Procol Harum/Afropops/Josephine Baker/Fats Domino [Ya gotta love that "kitchen sink" format.-ed.] 343(7-26 Westenhaver-QUE)
- 21700 1512 R. Japan Relay: EE; nx, ID..1st x hrd here on 21mHz. fr(7-24 Sheedy-CA)

GHANA

- 4915 0605 GBC: EE; Ghanaian nx, ID, educational rpt. 444(7-16 VanHorn-FL). 343(7-16 Estes-MS). @2246 in EE...344(7-29 George-MA)

GUINEA4900 0602 RDif National: FF; Afro & hilife mx, M & W tlc abt Guinea. 222(7-16 VanHorn-FL)KENYA6100 2104 VO Kenya: EE; well, knock me over with a feather! Hrd atop Belgrade as M gave brief religious sermon, W ID "This is the VO Kenya...", anmts, choral NA, off @2107\*. 333(8-23 ed.)LESOTHO

- 4800 0500 R. Lesotho: EE/Sesotho; nx headlines in EE, gospel mx w/EE/Ses ID & dj anmts. 333(7-19 Wakefield-IA). 322(7-12 VanHorn-FL)

LIBERIA

- 4760 0655 ELWA: EE; religious tlc & mx, ancr "good morning from Monrovia". 322 (8-4 Shanklin-MA)  
 9540 0659 VOA Relay: EE; caught s/off anmt, VOA theme mx; mixing w/New Zealand. poor(7-24 Famularo-JPN)[Nice catch from that QTH, Ralph-ed.]  
 ● 15600 1606 VOA Relay: EE; Nxt: Schultz comments on US-Viet tiks. 333(7-18 Brown-IL)  
 17800 1645 VOA Relay: EE; Nightline Africa, Africa Panorama. 443(7-17 Miller-CA)

LIBYA

- 15450 0102 VO the Great Homeland: AA; ID "Saut-al-watan.", choral mx, tlc went Algeria & France. 343(7-6 Westenhaber-QUE). //7245 @2318.444(7-19 Weiss-OH)

MADAGASCAR

- 17575 1440 RNederland Relay: EE; Asia Scan; //11730, fair(7-24 Sheedy-CA)

MAURITANIA

- 4845 \*0627 RTV Mauritanie: AA; guitar IS, ID, immediately into Qur'an. 434(7-16 VanHorn-PL)

MOROCCO

- 6095 0615 VOA Relay: EE; VOA Friday Morning; vy good(7-24 Sheedy-CA)  
 9575 2029 R. Medi Un: AA/FF; ID, M AA mx, mx notes between items, FF mx @2040, ments of "Marlboro"; off. mid-sentence @2048\*. 333(7-26 D'Angelo-PA)  
 15335 1925 RTV Marocaine: AA; 2 M tlc, call to prayer, W ID "Huna ar-Ribat..", interview, AA mx. 333(7-25 Dillon-MD). @1227 in AA..232(7-16 Abbinante-MD)

MOZAMBIQUE

- 9619.9 0540 R. Nacional: PP; bouncy lcl mx, jet sound efx/promo, "Sledgehammer", W tc "em Maputo", ID as "R. Nacional..". 322(8-20 ed.)

NIGER

- 5020 \*0530 ORTN: FF; kids' chorus MA, "Ici Niamey, la Voix du Sahel..", freq anmts, into Qur'an. fair/good(7-24 Sheedy-CA)

NIGERIA

- 4990 1930 R. Nigeria, Lagos: EE; group Islamic prayer, EE M preaching, ID, wiped by Hunan s/on @1945. gd(7-16 Famularo-JPN)  
 ● 7255 0545 VO Nigeria: EE; M w/African mx, ID as "World Service of R. Nigeria, Lagos" [Interesting-ed.]. 433(7-28 Shanklin-MA). vy gd(8-16 Allen-CA)

RWANDA

- 6055 2050 R. Rwandaise (t): FF; African mx, M dj to 2056, then W ancr, M again w/freq & sked info, not sure if any MA..pretty squashed under Prague. Off by 2100\*. A toughie, especially since Prague also in FF this hour, which is about only time reception possible here. 322/311(8-23 ed.)  
 ● 9640 0059 Deutsche Welle Relay: GG; M w/nx, freq & sked info, IS, ID. 555[!..if you say so, who am I to argue?-ed.](7-29 Worob-TX)  
 17800 1305 DW Relay: FF; W w/nx, M ID, tlc; QRN. 212(7-27 Berri-CA)  
 17860 2105 DW Relay: GG; nx; Gulf tanker escort. 343(7-21 Miller-CA)

SEYCHELLES

- 11869 0316 FEBA: Farsi; M tlc to 0325, vcl mx, anmts, ID, IS, off @0330\*. het, of course. A move to avoid Abu Dhabi/11865? 433(7-28 Westenhaber-QUE)  
 17855 0624 FEBA: EE; this Fri-only 06-07 b/c here fair/gd w/low-key religion, mailing address, theme, IS, off.(7-24 Sheedy-CA)

SOUTH AFRICA

- 4880 0310 Radio Five: EE; rock mx, ads, TC, IDs w/usual dj chatter on the Breakfast Show. 353(7-16 D'Angelo-PA). 544(7-17 Miller-CA). 242(7-13 Wakefield-IA)  
 5980 2035 R. RSA: FF; nice pgm of lcl pop mx from all over Africa. 343(8-23 ed.)  
 6010 0200 R. RSA: EE; TPs, nx; Angola/Cuban troops. 433(7-25 Brown-IL). 443(7-6 Kline-CA)(7-20 Flynn-CA). 423(7-19 Johnson-CA). 333(7-9 Wright-MB)  
 ● 9615 0209 R. RSA: EE; tlc abt SAF casualties in WWII. 454(7-20 Wakefield-IA). 544(7-16 Miller-CA). 433(7-18 Brown-IL)  
 9665 0518 Radio Five: EE; sports, pop mx, nx headlines @0530, passing IDs. Slop de 9670 [VOA-ed.]. 222(7-21 Laves-TX)  
 15140 \*1259 R. RSA: EE; IS, ID, NA, clobbered by Moscow in Vietnamese. poor/unusable (7-14 Famularo-JPN)

SOUTH AFRICA (cont.)

17705 0715 R. RSA: EE; feature on SAF National Gallery. fr(7-24 Sheedy-CA)  
21590 1505 R. RSA: EE; nx, Box 4539. //17780(fr), 15140(pr), 9585(fr) and this fr  
too.nice to see this propagating to the WC.(7-24 Sheedy-CA)

SOUTH WEST AFRICA

3290 0533 R. SWA (t): EE; suspect this is them as hrd fair to awful around this time;  
3270 in too, but degraded sig (must be that mx)(7-27 Sheedy-CA)  
4930 \*0630 R. SWA (t): Afk; Windhoek probably the one here, NA is // to 4965, then  
pgms split (believe vern on 4965). Vy poor(7-25 Sheedy-CA)

TOGO

● 5047 2332 R. Togolaise: FF; EE rock & soul mx, some FF anmts; ID @0000, s/off anmts,  
orch NA, off @0004\*. 353(7-16 D'Angelo-PA). (433(7-11 VanHorn-FL)

TUNISIA

7310 0344 R. Tunis: AA; Qur'an, usual M choral mx, full ID @0400.//7465. 343(7-14  
Westenhaver-QUE).  
● 7475 \*0330 R. Tunis: AA; Qur'an after s/on anmts. vy good(7-26 Sheedy-CA). off @  
0456\*. 353(7-20 Wakefield-IA). @2225, off @2238\*. 433(7-21 Abbinante-  
MD). 343(7-10 Laves-TX)  
12005 2012 R. Tunis: AA; tk abt President Bourguiba. 232(7-24 Dillon-MD)

UGANDA

4976 0503 R. Uganda (t): Swahili?; rapid-delivery M tk, Afro fulte mx @0512, more  
tk & ads (?); hvy QRN. 242(7-10 Thompson-CA)[Sounds plausible.-ed.]

CLANDESTINE

11490 0310 VO Unity (t): AA?; mx to Q315 foll by cmt; anthem @0324, ID @0330. [SIO?-  
ed.](7-25 Jones-TX)

UNIDENTIFIED

4926 0536 heard a few nights w/Waf hilife & SS-influenced vocals..weak, not regular,  
and suspect Bata as nada on 5004.1 lately.(7-27 Sheedy-CA)[Good guess,  
Dan..see EQUATORIAL GUINEA.-ed.]

ODDZNEWS:

Anyone Notice only 3 1/2 pages of logs this month? Believe that's a new low since  
I've been doing the column. Need I say more?.....from Richard Ginbey via MEDIA  
NETWORK comes this new schedule for R. Nacional de Angola:

PROGRAM "A": 3355 (1500-0600)

4953, 9720 (24h)

7215 (0600-1500)

PROGRAM "B": 3375 (1500-0600)

7245, 9535, 11955 (24h)

(pgm "B" includes Int'l Sce: EE (16-17), FF(17-18), and SS(20-21); 11955  
breaks away from 1630-1900 for ANC/SWAPO programs. Also, you should note  
that, while most of "A" sce is in PP, "B" sce includes vernacular pgms  
from 0530-1100..see last month's column for a more detailed sked of these  
languages and times.-ed.).....

Also from Ginbey: Capital Radio is to be closing its SW xmtrs "very shortly" [may  
even be gone by time you read this, tho still in action on 7149 at 0545 or so  
on 8-23 -ed.].....and, one more thanks to Richard, another confirmation that  
Ghana's External Service is indeed active on 6130 @1900, but wiped by DW at  
1930.....I have an UNID for ya...hrd 8-23 on 7257.6, around 0620 to past  
0630 in unid lang w/lotsa semi-classical & instr mx...any takers?.....  
Also wonder who's lurking around 7104 @2115 or so.....Africans really  
starting to pick up on 41/49/60m around 2100 nowadays, at least in this QTH..  
take a peek around, you may be pleasantly surprised...Bill Westenhaver tells  
us that DW Kigali is using 11920 for GG from 2200-0300, probably to replace  
11750, which has disappeared....Bill also tells me that Rnederland is con-  
solidating its various interval signals, and will be using the new version  
of their IS on all broadcasts by time this hits print....Dan Sheedy sends the  
address for Angolan clandestine A Voz da Resistencia do Galo Negro:

Free Angola Information Service  
1850 "K" Street, N.W., Suite 370  
Washington, DC 20006-2202

Verle signer there is UNITA representative Jardo Muekalia.....Let everyone  
know what you're hearing....ough up the 22c and send your gems to SPEEDX eds!

30

73,  
al

# HEAR AFRICA

And now, not a moment too soon, the latest revision of THE LIST..all known/reported Africans in the tropical bands. Info culled from SPEEDX, personal monitoring, WRTH, RDI, DXLD, DSWCI, CIDX, RNHM, and documents smuggled to me by Fawn Hall.

FREQ	STATION	BKED	FREQ	STATION	BKED
2494.7	Madagascar	(02-05, 13-21)	4620	Botswana	(0346-1100, 15-2105)
3205	THR Swazi	(0430-07, 14-2015)	4625	Tanzania	(0330-0430, 1530-1915)
3210.5	Mozambique	(0225-0530, 15-2215)	4630	APD, Gabon	(08-06, 17-23)
3215	R. Granya, RBA	(0300-2008)	4635	Haiti	(05-08, 18-24)
3222	R. Kara, Togo	(0525-09, 1630-2305)	4639	Zaire	(04-07, 1530-1830)
3230	ELWA, Liberia	(0610-08, 1805-2227)	4645	Mauritania	(0627-0830, 17-00)
3230	R. RBA	(03-042a)	4650	Cameroon	(04-07, 1630-00)
3231.5	Madagascar	(1500-1900)	4655.1	Nauritius	(1300-1900)
3240	GBC, Ghana	(0530-0615) alt/3350	4660	Lundebul, Ang.	(0430-0330)
3255	ELBC, Liberia	(0455-09, 19-00)	4664.5	Mozambique	(0255-0530, 15-2215)
3260	Niger	(0530-2300)	4670	Benin	(05-08, 11-14, 16-2302)
3270	BN Africa	(1630-0430)	4680	R. S, RBA	(03-0505, 1555-2200)
3275	THR, Swazi	(03-0345, 18-1845)	4685	Kenya	(0250-0630, 1420-2010)
3280.2	Beira, Moz.	(0255-05, 15-20)	4690	RFI via AND Sbn	(04-08, 18-00)
3287.6	Madagascar	(02-05, 15-21)	4690v	Senegal	(06-08, 1230-00)
3290	Tristan	(16-17 M-F, 1945-22 RHF)	4700	Guinea	(04-08, 1230-00)
3290	BN Africa	(1630-0630)	4704.5	Chad	(0455-2201)
3294	Zambia	(0348-0730, 1530-2105)	4710.1	Zambia	(0348-0530, 1530-2105)
3300	Burundi	(0325-0615, 1545-22)	4715	GBC, Ghana	(0530-09, 12-2304)
3305.7	Zimbabwe	(1930-0300)	4715	Kenya	(1430-1900)
3320	R. Orion, RBA	(03-0555, 1535-1930)	4725	Inter., Moz.	(0255-0630, 15-2205)
3320	SABC	(1630-0630)	4725.8	Eq. Guinea	(05-0630, 16-2204)
3330	Rwanda	(03-04, 09-12, 1330-21)	4730	BN Africa	(0630-1630)
3330.8	Comoros	(03-05, 16-19)	4732	Nigeria	(04-2305) irreg.
3338	Inter., Moz.	(0255-0530, 15-2212)	4734v	Kenya	(02-0630, 1330-2010)
3346	Zambia	(0348-0530, 1530-2105)	4740	Cote d'Ivoire	(0600-0000)
3350	GBC, Ghana	(0530-0615) alt/3240	4752.8	Angola	(24h)
3354.7	Angola	(1500-0533)	4760.5	Madagascar	(02-05, 15-21)
3355	Botswana	(0428-07, 15-21)	4765	BN Africa	(0630-1600)
3365	THR, Swazi	(05-0530, 1530-1830)	4769.8	Cabinda, Angola	(05v-2121)
3366	GBC, Ghana	(0230-09, 17-2305)	4775	Sao Paulo	(0430-0530)
3375.6	Angola	(1500-0600)	4776	Uganda	(05-0545, 13-2102)
3381v	RBC, Malawi	(0253-2210)	4780	Swazi Com. R.	(0425-06 Sun, 1630-2030)
3390.2	CANDIP, Zaire	(0430-0645, 1630-2000)	4790	Nigeria	(0430-2305)
3395.6	Zimbabwe	(1800-0100)	4790	R. RBA	(0430-0530, 17-19)
3931v	Cape Verde	(0500-0415, 1515-1930)	5003.7	Pamba, Mozam.	(0250-0515)
3955	SABC	(1930-0300)	5004.1	Eq. Guinea	(05-0630, 16-22)
3955	R. Orion, RBA	(0430-08, 1630-23)	5010	Barou, Cam.	(0425-07, 1630-2315)
3970	Buea, Cameroon	(irregular, a0700)	5015	R. Truth	(17-18, 04-05)
3975	LRCN, Liberia	(03-0430, 06-07)	5020	Niger	(0530v-2200)
3990	VDA, Liberia	(irregular)	5025	Parakou, Benin	(04-09) irreg.
3999.2	LRCN, Liberia	(0425-0805, 16-2302)	5026	Uganda	(03-06, 13-21)
4000	Bafoussam, Cam.	(0425-08, 16-2214)	5034.3	C.A.R.	(0430-07, 1630-23)
4750	Barou, Cam.	(0337-07, 10-13, 15-21)	5042v	Senegalia, Ang.	(0430-2300)
4751	Zaire	(06-08, 1725-2230v)	5047	Togo	(0528-08, 17-0008)
4760	ELWA, Liberia	(0300-0330)	5080	Tanzania	(03-0434, 13-2015)
4760	THR, Swazi	(0430-2305)	5085	THR, Swazi	(0400-0835)
4770	Kaduna, Nigeria	(0430-0630, 16-24)	5085v	Namib, Ang.	(0400-2300)
4777	Gabon	(0300-1902)	5086.3	CANDIP, Zaire	(0325-07, 1430-20)
4780	Djibouti	(06-08, 18-02)	5191v	Benico, Ang.	(05-10, 12-25)
4783.4	Haiti	(0300-2100)	5208.5	Rondou, Chad	(05-08, 14-18)
4785	Tanzania	(0615v-0645, 1630-2310)			
4790	Douala, Camer'n	(0300-2200)			
4800	Laosho	(02-0620, 13-2010)			
4804v	Kenya	(0530-09, 17-0002)			
4815	Burkina-Faso	(0400-2300)			
4819.9	Mulla, Angola				



**Bob Inunberg**  
**409 Burt Street**  
**DuBois, PA 15801**

**Deadline: 12th**  
**Dates/Times: UTC**  
**Frequencies: KHZ**

Earlier than usual deadline this month and I have not yet received my August issue of SPEDX, so many of the loggings in this column will be repeats of those in last month's A/O-I neglected to make a copy of the August column. There is plenty of new info here to wet your A/O SW appetite as summer winds down and a new DX season is ushered in.

AFGHANISTAN

7200p 1454

**R. Afghanistan-Kabul:** PUSHTO?: HS-1 pgm of OM tlk, subcont. vcls accompanied by tablas & flutes; YL tlk @ 1520; TPs @ 1530 into poss. nx by OM w/ comments of "Kabul", "Afghanistan", & "Rawalpindi"; 1600 f/out & QRMd by co-channel USSR. // to 4740 relay of RA via Ashkabad SSR. Subsequent checks on 7/23-24-25-27 found only USSR on 7200 (fr-pr 7/22 Famularo-Japan) Both RDI & WRTH list this freq as from Kabul, so maybe the USSR has not taken over all bcasts of R. Afghanistan-"glasnost" maybe?-nice one Ralph...ed.

BANGLADESH

15525 \*1230

Radio Bangladesh

**RB: EE:** nx, cmtly, mx (232 7/14 George-MA) (333 7/24 Gager-Austria)

CHINA, PEOPLE'S REPUBLIC/

5770 1052  
 6410 1120

**Central People's Bcast Stn Radio Beijing**  
**V. of the Strait-Fuzhou:** CC: YL w/opera mx (242 7/20 Bush-OH)  
**RB Minority Lang Svc:** KK/MONGOLIAN: KK tlk, CC mx; sudden 1126\* then IS @ 1128 & MONGOLIAN IDs @ 1130 (fair 7/14 Famularo-JP)

7385 2130  
 9064 1400  
 9535 1200  
 9550 1300

**Xinjiang PBS:** ?? : lang similar to FF, cmtly & pop mx (332 7/28 Miller-CA)  
 R. Beijing also uses 7385 for Euro. & USSR bcasts...ed.  
**CPBS-1:** CC: YL/OM tlk, CC mx (333 7/15 Zirkelbach-CA)

11445 1438

**RB: EE:** "News About China", "Across the Land" (544 7/6 Kline-CA)  
**RB: EE:** report on Pepsi Cola in China (444 7/1 Lort-CA)  
**EE:** "All Generations Under One Roof" pgm (333 7/4 Johnson-CA)  
**RB: TAGALOG:** wld nx, CC flute mx, tlk on Ming Dynasty canals; ID @ 1445 (444 8/4 Sharpe-CA)

11600 1645  
 11650 1207  
 11675 1500  
 15165 1515

**RB: EE:** listener's letters; // 9570 (444 7/21 Zirkelbach-CA)  
**RB: EE:** nx of France/Iran dispute; CC lang lesson (343 7/20 Sampson-WI)  
**RB: NEPALESE:** ID, S. Asian nx, Nepalese mx (434 8/2 Sharpe-CA)  
**RB: EE:** Nx from Chinese press (333 7/25 Blair-CA)

CYPRUS

6180 0515

British Bcast Corp Relay

**BBC: EE:** wld nx, "24 Hours"; // 9580, 15420 (333 7/25 Gager-Austria)

INDIA

4860 1540  
 9910 2110

All India Radio

**AIR Delhi:** EE: lcl & wld nx, ID, cmtly (fr-gd 7/19 Famularo-JP)  
**AIR Delhi:** EE: sports report; ID & TC by YL; tlk on Indian culture w/mx; nx @ 2200; // better 11620 (252 7/26 D'Angelo-PA)

INDONESIA

11789 1405  
 11865 0550

Radio Republik Indonesia

**V. of Indonesia:** AA/IN; AA chants, mx; tlk & ID in Indo lang (544 7/15 Miller-CA)  
**RRI Jakarta:** IN: pop mx, "RRI Programa Nasional Jakarta", nx; splatter de Taiwan on 11860 (fr-gd 7/23 Famularo-JP)

IRAN

9022 0212  
 1935

Voice of the Islamic Republic of Iran

**VOIRI:** SS: ment of "N. Amerikanos" (444 7/22 Bush-OH)  
**EE:** ID, TC, Qur'an, nx (444 7/24 Gager-Austria)

IRAQ

9875 2100  
 11705 0003

Radio Baghdad

**RB: EE:** request for letters, mx, war reports (444 7/24 Robinson-TN) (454 7/30 Leite-MA) (322 7/21 Abbinante-MD)  
**RB: EE:** bird chirp IS, sked into 5 min of mx-not AA-style--sounded almost Swiss, nx; co-channel R. Sweden QRM (322 7/27 Laves-TX) war nx, mx (232 7/28 Brown-IL) 0157\* (322 7/18 Wright-MB) press review w/theme mx "If I Were a Rich Man" Yiddish style song! (423 7/9 Westenhaver-QUE)

IRAQ cont.

11740 1905 V. of the Masses: AA: wld nx, "Sawt ul-Jamaheer" ID; Current Affairs pgm w/emphasis on war w/Iran (333 7/26 Dillon-MD)  
 11950p 2240 V. of the Masses: AA: AA vcsls, no anmts; abrupt 2300\* (444 7/12 Weiss-OH)

ISRAEL

Kol Israel

9435 0015 KI: EE: tlks w/Jordan (444 7/12 Langlois-FL) nx (433 7/16 Bishop-NY)  
 2130 EE: tlk on Dutch Jewish community (545 7/9 Robinson-TN)  
 2300 EE: "Calling All Listeners", "DX Corner"; jamming (433 7/12 Sampson-WI)  
 11610 0015 KI: EE: "Studio 3" on the arts (454 7/17 Fraser-MA) (444 7/28 Brown-IL)  
 2130 EE: "Shabat Shalom dedications" (555 7/10 Robinson-TN)

JAPAN

Far East Network Nihon SW Bcast Radio Japan CA

3910 1206 FEN: EE: nx of Ollie North, PSA for NITA; het de AROs (332 7/11 Thompson-  
 3925 1028 NSB: JJ: JJ pop mx, ads (444 7/19 Wakefield-IA)  
 5990 1440 RJ: EE: "R. Japan Journal", "Japan Panorama" (444 7/29 Blair-CA)  
 9695 1530 RJ: EE: nx, "Tokyo Pop-In", 1cl wx (433 7/20 Zirkelbach-CA) (545 Miller-CA)  
 11705 1915 RJ: EE: nx, "Current Affairs"; co-channel QRM (333 8/4 Blair-CA)  
 15280 0505 RJ: EE: nx, "Current Topics"; // 11705 (444 7/14 Zirkelbach-CA)

KAMPUCHEA

Voice of the People of Kampuchea

11938 1259 VOVK: VV: instl mx, partial ID @ 1300; tlk w/many mx bridges to abrupt 1316\* (222 7/25 D'Angelo-PA)

KOREA, DEM. PEOPLE'S REP.

Radio Pyongyang JP

4405nf 1336 RP: KK: tlks, vcl mx, anthem & 1348\*; for Koreans abroad (fr 7/23 Famularo-  
 6576 1132 RP: EE: how Kim Il Sung has turned Korea into a "paradise on Earth"; ID as "R. Korea"; 1149\* (454 7/9 Kline-CA)  
 9325 1730 RP: EE: tlk on S. Korea, Africa, USA, etc; KK mx (343 7/24 Gager-Austria)  
 9345 9345 RP: EE: nx abt Yugoslavia, mx (333 7/30 Berri-CA) IA)  
 9977 1039 RP: KK: ments of Pyongyang, Sung; martial mx; SS @ 1100 (343 7/19 Wakefield-  
 13350 2325 RP: EE: trad. CC songs; tales of Great Leader (333 7/19 Zirkelbach-CA)  
 15140 0431 RP: EE: nx, cmtly on US imperialism (7/4 Jones-TX)

KOREA, REPUBLIC OF

Radio Korea

5975 1450 RK: KK/EE: KK mx, into EE @ 1500 w/nx, "Seoul Calling" (444 7/27 Miller-CA)  
 6135 1200 RK: KK: ID, OM tlk; splash from VOA on 6140 in SS (343 7/26 Kline-CA)  
 9535 1415 RK: FF: OM tlk, tlk, tlk... (333 7/15 Zirkelbach-CA)  
 9750 1300 RK: EE: "Seoul Calling", KK lesson, "Inside N. Korea" w/imaginary war scenario btwn N&S Korea compiled by US "think-tank" (553 7/16 Kline-CA) EZL mx, people getting Olympic spirit (242 7/2 Sampson-WI) (353 Jones-TX)  
 9870 1520 RK: EE: KK mx, "Seoul Calling" (7/20 Zirkelbach-CA) (544 7/9 Miller-CA)

KUWAIT

Radio Kuwait

11675 1732 RK: AA/EE: AA mx, wld & Mid East nx (444 7/22 Miller-CA)  
 11990 1751 RK: AA: AA mx, ID, "Rukn ul-Badiyah"-The Desert Corner (333 7/26 Dillon-MD)  
 15495 1400 RK: AA: AA vcl mx, ID, radio drama (fr 8/1 Shimada-JP)  
 2036 AA: mx, tlk, OM w/nx; anthem & 2215\* (433 7/21 Abbinante-MD)  
 0208 AA: Qur'an, OM w/ID, sked; tlk abt Islam; // 15345 (333 7/25 Dillon-MD)  
 15505 1050 RK: AA: AA mx; ID by YL @ 1130; //15495 (343 7/25 Dillon-MD)  
 1415 AA: TC as 5:15, ID, radio drama -love story (444 7/27 Halstead-WV)

LEBANON

Voice of Lebanon

6550 1715 VOL: EE: ID, nx of Gulf war, AA mx (333 7/24 Gager-Austria)  
 0233 AA: EZL & soft vcl mx; ID by YL @ 0303; RTTY QRM (232 7/16 D'Angelo-PA) YL tlk w/AA mx bridges (322 7/22 Bush-OH)

MALAYSIA, EASTERN

Radio Malaysia

4950 1401 RM-Kuching: EE: EZL instls; YL w/ID & nx @ 1414 (353 7/19 Kline-CA)  
 7270 1215 RM-Kuching: VERN: OM w/wld & SE Asian nx, SEA mx (544 7/20 Miller-CA)

MALAYSIA, PENINSULAR

6025 1405 RM-Kuala Lumpur: CC: CC pop mx; govt slogan @ 1430, ID & nx; AA lang prayer Euro-US pop mx (232 8/3 Sharpe-CA)

MONGOLIA

Radio Ulan Bator

4995 1436 Choibalsan Domestic Svc: MONGOLIAN: CC-style string mx, M/W tlk, choral anthem & 1501\* (fr-gd 7/14 Famularo-JP)  
 15305 \*1942 RUB: EE: IS, ID, sked, nx; anncd to Europe-not Pacific as listed in 87 WRTH (fair 7/8 Famularo-JP)

The following info on SW bcasts from Mongolia was kindly supplied by Bruce MacGibbon who received it from the AUSTRALIAN RADIO DX CLUB.

DXING MONGOLIA: Broadcasting is carried on LW, MW, SW, & FM. There are two Networks within the Home Service, as well as the External Service.

1. HOME SERVICE BCASTS: xmt'r locations, freqs, power, & times of operation

Ulan Bator: using 7260, 4085, 4850, 11825 for Network 1, 2200-1600.  
Altai-Gobi Altai prov. using 4830, 12 kW, 2200-1600  
Murun-Khubhuagui prov. using 4895, 12 kW, 2200-1600  
Ulgii-Bayan Ulgii prov. using 4750, 12 kW, 2200-1600  
Dalanzadgad S. Gobi prov. on 3960, 12 kW, 2200-1600  
Choibalsan E. Aimak prov. 4995, 12 kW, 2200-1600  
Sainshand-Middle Gobi prov. on 4865, 12 kW, 2200-1600  
Ulaan Gom-Ubaun Nuur prov. on 4868, 5 kW, 2200-1600  
Uliasutai-Zavkhan prov. on 3960, 5 kW, 2200-1600

The Home Svc Network 1 is mainly in Mongolian, Network 2 pgm is only on SW, in Mongolian, & is on the air from 0830-1050 on 6383 & 5960 kHz.

2. EXTERNAL SERVICE BCASTS: believed to be from single xmt'r site, at or near Ulan Bator. Two xmt'rs are in use, of 250 kW and 50 kW each. These carry bcsts in EE, FF, CC, & Mongolian; here is the J87 sked for R. Ulan Bator:

0915-0950	EE	9615/12015	1400-1435	MO	9615/12015	[Though not listed in this sked, RUB also uses 15305 kHz, as evidenced by the logging from Ralph Famularo. I have also hrd and QSLed RUB on 15305..ed.]
0950-1025	MO	" "	1445-1520	EE	9575/12015	
1025-1055	CC	" "	1640-1720	FF	9677/11790	
1055-1125	MO	" "	1800-1840	FF	" "	
1130-1200	CC	" "	1940-2015	EE	9575/11790	
1200-1235	EE	" "	2025-2100	MO	9615/12015	
1330-1400	CC	" "	2100-2130	CC	" "	
			2230-2305	CC	" "	

<u>OMAN</u>		<u>British Broadcast Corp</u>	<u>Radio Oman</u>
7135	*0000	BBC: EE: chimes, TPs, nx; QRM de V. of Turkey (322 7/13 Dillon-MD)	
11955	0500	BBC: EE: wld nx, "24 Hours" (222 7/24 Gager-Austria)	
15385	1340	RO: AA: AA mx until ID @ 1400 (333 7/24 Gager-Austria)	

<u>PAKISTAN</u>		<u>Radio Pakistan</u>
7100	1720	RP: EE: ID, nx, cmt'y, 1cl mx (333 7/25 Gager-Austria)
11615	1605	RP: EE: ID, S. Asian nx & cmt'y (343 7/25 Gager-Austria)
15605	*1315	RF: URDU: IS, YL w/ID, Qur'an; subcont. vcls (pr-fr 7/31 Shimada-JP)

<u>PHILIPPINES</u>		<u>Radio Veritas Asia</u>	<u>Far East Broadcast Co</u>
6150	1320	RVA: BURMESE: YL tlk, mx, ID (544 7/18 Miller-CA)	
7190	*1157	RVA: EE/JJ: jazzy EZ mx, OM w/EE ID into JJ pgm (242 7/20 Laves-TX) (444 7/19 Wakefield-IA)	
9540	1430	RVA: CC: tlk, mx, EE ID; QRM de WYFR on 9535 (444 7/9 Miller-CA)	
9670	1503	FEBC: EE: Radio Bible textbooks (323 7/6 Johnson-CA)	
9700	1400	RVA: TAMIL: ID, OM tlk; AFRTS QRM (544 7/18 Miller-CA)	
11850	1330	FEBC: EE: nx, "Operation Friendship" pen pal pgm (fr 7/29 Shimada-JP)	
15215	1524	RVA: EE: wld nx, ID & 1530* (fr-gd 7/10 Famularo-JP) (122 Miller-CA)	
15350	0840	FEBC: EE: relig mx, "Back to the Bible" (252 7/13 Kline-CA)	

<u>QATAR</u>		<u>Qatar Broadcast Service</u>
15265	1320	QBS: AA: ID, tlk abt mx (333 7/24 Gager-Austria)

<u>SAUDI ARABIA</u>		<u>Bcast Svc of the Kingdom of Saudi Arabia</u>	JP)
7250p	2015	BSKSA: AA: non-stop Qur'an recitation; splatter de 7245 (pr 7/16 Famularo-)	
9720	1600	BSKSA: EE: ID, Qur'an, prayers (222 7/24 Gager-Austria)	
15060	1258	BSKSA: AA: AA mx, ID @ 1300 (232 7/21 Abbinate-MD) (333 Gager-Austria)	
21495	0612	BSKSA: AA: Qur'an recitations (pr-fr 7/15 Famularo-JP)	

<u>SINGAPORE</u>		<u>British Broadcast Corp</u>	<u>Singapore Broadcast Corp</u>
6010	1402	BBC: BENGALI: IDs, nx & cmt'y (554 7/27 Miller-CA)	
9740	1303	BBC: EE: nx, spts, "Tony Myatt Request Show"-gd pgm (454 7/19 Kline-CA)	
11750	1342	BBC: EE: sports-Tour de France (333 7/19 Wakefield-IA)	
11940	1529	SBC: EE: EZL mx, nx, "SBC" & "R. One" IDs & 1604* (353 7/2 Kline-CA)	
15360	0725	BBC: EE: tlks & intvws re: Africa; nx @ 0800 (fr-gd 7/22 Famularo-JP)	
17710	*0030	BBC: EE: ID as Far East Relay; "Radio Newsreel": 0045* (444 D. Jones-TN)	
17755nf	*0600	BBC: EE: wld nx, ID; 1st hrd on 7/27 w/gd signal-thought perhaps early Hong Kong test but on 7/29 it was pr-unuseable & weaker than //15310; perhaps antenna pointed in wrong direction on 7/27? (Famularo-JP)	

/SRI LANKA/ Sri Lanka Bcast Corp Voice of America  
9720 1328 SLBC: EE: nx, pop mx IDs (222 7/13 Johnson-CA)  
1430 Adventist World Radio via SLBC: EE: ID, relig tlk (222 7/24 Gager-Austria)  
11800 1450 SLBC: HINDI: movie mx; ID & TC @ 1515 (222 8/1 Sharpe-CA)  
15250 0111 VOA: EE: econ nx; tlk on Soviet/Indian relations (252 7/2 Wright-MB)

/SYRIA/ Radio Damascus  
9950 2220 RD: AA: AA mx, ID & nx @ 2230; // 12085 (353 7/31 D'Angelo-PA)  
15020 1946 RD: FF: YL w/nx, mx, ID @ 2000 (8/1 Jones-TX)

/TAIWAN/ Central Bcast System Voice of Free China JP  
7105 0325 CBS-2: CC: M/W tlk, CC instl mx; hvy jamming (fr-unuseable 7/14 Famularo-  
15055 1425 WYFR via VOFPC: EE: relig pgm; ID @ 1500 (322 7/26 George-MA)

/TURKEY/ Voice of Turkey  
6340 0600 Turkiye Polis Radyosu: TURKISH: ID, Turk. mx (333 7/25 Gager-Austria)  
7135 0232 VOT: TURKISH: chanting, AA-style mx (555 7/14 Trescher-PA)  
2320 TURKISH: Turk. mx; ID @ 2329, TPs & nx @ 0000; QRM de BBC-Oman @ 0000  
(333 7/12 Dillon-MD)

/USSR, ASIAN/ Radio Moscow  
3965t 1158 R. Afghanistan: DARI or PUSHTO?: tlk, march mx; pips & TC & poss. nx by  
OM/YL (222 7/11 Thompson-CA) JP  
4545 1602 Alma Ata: RR: Rep. 1st pgm of tlk, opera w/crowd noise (pr-fr 7/8 Famularo-  
4635 1805 Dushanbe: RR: opera pgm (222 7/25 Gager-Austria)  
4740 1740 R. Afghanistan: PUSHTO?: lcl mx, ID (333 7/25 Gager-Austria)  
4800 1250 Yakutsk: RR: Moscow l relay of drama w/animal sounds; Moscow ID @ 1300,  
M/W w/nx, mx @ 1315 (fair 7/19 Famularo-JP)  
4930 0150 Tbilisi-Georgian SSR: RR: wk carrier, orch mx till 0159 tlk by YL; Moscow  
IS & TPs; barely audible (151 7/31 D'Angelo-PA)  
5040 1930 Tbilisi: VERN: EE & RR pop mx (232 7/25 Gager-Austria)  
7345 1410 RM Petropavlovsk: EE: "Focus on Asia & Pacific" (433 8/1 Sharpe-CA)  
11715 1531 RM Komсомол'sk (per RDI..ed.): CC: ID, orch mx w/chorus; RR songs w/tlk  
abt same (434 8/2 Sharpe-CA)  
11730 1500 RM: IN: Asian nx, "panorama"; IDs (242 8/4 Sharpe-CA) via Khabarovsk?..ed.  
12030 1700 RM Petropavlovsk: EE: nx, "News & Views", jazz mx (545 7/26 Miller-CA)  
12050 0536 RM Khabarovsk: EE: "Conversations" pgm (333 7/23 Halstead-WV)

/UNITED ARAB EMIRATES/ Radio Dubai  
6195 0346 V. of UAE-Abu Dhabi: AA: cmtly by OM (534 7/3 Trescher-PA)  
15320 1555 RD: AA/EE: AA mx, ID; TP, EE pgm of reception reports (222 7/18 Brown-IL)  
2001 AA: mx, ID & sked by OM; QRM de 15325 (333 7/25 Dillon-MD)  
15435 1102 RD: AA: "Itha'at ul-Imarat Il-Arabiyyat Il-Muttahidah Min Dubai"; pgm abt  
early Islam (333 7/26 Dillon-MD)  
1330 EE: ID, wld & Mid East nx (444 7/24 Gager-Austria)  
17820 0700 V. of UAE: AA: ID, western instl mx, nx @ 0800 (444 7/25 Gager-Austria)  
17865 1227 RD: AA: AA mx, YL tlk-phone calls? (343 7/23 Abbinante-MD)  
21605 1655 RD: AA: OM tlk, 1700\* (444 7/26 Miller-CA)

/VIETNAM/ Voice of Vietnam JP  
6449 1233 Hanoi: VV: lcl mx; W w/ID @ 1258; down from nom. 6453 (fr 7/27 Famularo-  
6620p 1228 Lai Chau: VV: W tlk, mx hrd under Ute & QRN; DX FRONTLINE #112 says Lai  
Chau here till 1300\* (poor 7/7 Famularo-JP)  
6735 1235 Hoang Lien Son: VV: exotic vcls, W tlk & 1300\* (pr-fr 7/22 Famularo-JP)  
9840 1600 VOY: EE: cmtly on US in Persian Gulf (222 7/14 Johnson-CA)

/YEMEN ARAB REPUBLIC/  
9779.3a 0300 R. San'a: AA: s/on lost in VOA 9775 0300\*; YL tlk, Qur'an; ID @ 0316 by  
OM "...Yahmen min Sanah"; AA, disco & rock mx w/echo-effect anmts (242  
7/17 Laves-TX) nx to 0340, ID, AA vcls (353 7/22 D'Angelo-PA)

/CLANDESTINE/  
9045 \*0329 Iran Flag of Freedom Radio: FARSI: IS w/multi-lang IDs incl EE; s/on march  
mx, ID; tlk & mx mix; QRN & fading (353 7/12 D'Angelo-PA)  
15110 0418 V. of Democratic Kampuchea: KHMER (Cambodian): M/W tlks, Khmer folk mx,  
ments of "Kampuchea", 0456\* (fair 7/9 Famularo-JP)  
15555 1631 Iran Flag of Freedom Radio: FARSI: s/on w/ID, nx incl ments of Iran and  
Tehran; nice vcl mx: poss. 1749\* as carrier gone (252 7/18 D'Angelo-PA)

OCEANIA

AUSTRALIA/

Radio Australia

4920 0701 VLM4-Brisbane: EE: sports pgm (453 7/18 Kline-CA) (242 7/15 Wakefield-IA)  
6080 0800 RA: EE: ancd as to PNG, mx (222 8/4 Shanklin-MA)  
9655 0710 RA: EE: "Talkback" DX pgm (333 7/5 Shaffer-PA)  
9710 1204 RA: EE: "International Report"; // 9580 (242 8/2 Westenhover-QUE)  
11780 0700 RA: EE: play "Spy Who Came in from the Cold" (333 7/6 Johnson-CA)  
11855 0035 RA: IN: EE lang lesson, ID, IS & 0058\* (pr-fr 7/9 Famularo-JP)  
15160 0300 RA: "Talkback" incl ANARCON report (454 7/26 Weiss-OH) (454 Kline-CA)  
15320 0400 RA: EE: "Int'l Report" on Persian Gulf (555 7/19 A.Jones-TN)  
15425 0623 VLW15-Perth: EE: Australian Rules Football (252 7/18 Kline-CA)  
17795 0310 RA: EE: "Talkback" on ANARCON, prop. report (433 7/26 Flynn-CA)

GUAM/

11695nf 1620 KSDA: EE: "AWR Magazine", "V. of Prophecy" (242 7/11 Flynn-CA)

MARIANA ISLANDS/

15305 0005 KPBS-Saipan: BURMESE: mx incl "Oh Susanna" (232 7/18 Miller-CA)

MARSHALL ISLANDS/

4940 0804 WSZO: MARSHALLESE: instl mx, OM w/IDs & nx (252 7/22 Soomre-MA)  
0923 YL w/S.Pac. mx; Poss ID @ 0951 (554 7/29 Kline-CA)

NEW CALEDONIA/

7170 0655 R. Nounea: FF: EE & FF pops; DJ w/stn promo & t1k (333 7/16 Van Horn-FL)  
EE rock mx; ID in FF (544 7/17 Miller-CA)

NEW ZEALAND/

Radio New Zealand

9540 0635 RNZ: EE: nx, EZL mx pgm; // weaker 11780 (434 7/16 Van Horn-FL)  
11780 0600 RNZ: VERN: nx in Maori-type lang (554 7/17 Miller-CA) ID as "National Radio" (444 7/14 Zirkelbach-CA) nx, wx, "Story Time" (453 7/9 Kline-CA)  
1000 EE: nx & wx (242 7/6 Vercellino-IL)

SOCIETY ISLANDS/

6135 0625 R. Tahiti: TAHITIAN/FF: t1k & island mx in both langs (342 7/12 Sharpe-CA)  
11825 0545 R. Tahiti: TAHITIAN/FF: island mx, phone-in pgm (443 7/10 Van Horn-FL)  
15170 0350 R. Tahiti: TAHITIAN: vcls w/YL ancr (252 7/22 A.Jones-TN)

SOLOMON ISLANDS/

Solomon Islands Broadcast Corp

9545 0645 SIBC: EE: ad for record store, ID, police nx & messages to locals (433 7/16 Van Horn-FL) sports nx, mx, ads (544 7/11 Miller-CA)

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The following A/O DX items contributed by William Westenhover:

AUSTRALIA: As of 8/1, the SW regionals in Queensland & Western Australia are operating 24 hours. The new skeds are; Brisbane--VLM4, 4920 and VLQ9, 9660 are both 24 hrs. Perth--VLW6, 6140 runs 0945-0100; VLW9, 9610 is 24 hrs; VLW15, 15425 runs 2300-0945 (unchanged). [TALKBACK, 8/2]

HONG KONG: According to a letter received by Gerry Bishop in the Philippines, the new BBC Hong Kong relay should have begun testing by the end of July on 11870 kHz, and not 11775 as earlier announced; sked not given. [SWLD, 7/25]

KOREA, REPUBLIC OF: Changes in R. Korea's Nam sked: EE to Nam now @ 0500 on 6060 & 9570 kHz, @ 1300 on 9750 & 15575, and @ 2230 on 15575. [Bill Matthews, SWLD, 7/11]

USSR: R. Afghanistan via USSR, EE lang sked: 0900-1030 on 17655 & 15255; 1900-1930 on 11755, 9665 and 9610 kHz. [ADXN on SWLD, 7/21]

R. Nationale Lao via USSR xmtrs, FF lang sked: 1100-1130 on 11960 & 11870 kHz. [Jens Scharsig, SCDX, 7/28]

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Special thanks to Bruce MacGibbon for the DXING MONGOLIA info. He also sent in a article, also from AUSTRALIAN DX NEWS, entitled IRIAN JAYA (Indonesia) ON SHORTWAVE, which I hope to include in a future A/O column. Bruce reports that his bulletin DX SPREAD is keeping him busy and that after expenses he is \$20.00 in the red each year, so I urge more of our SPEEDX members to subscribe to the DX SPREAD (\$5.00/yr) & get Bruce out of debt!

Finally, I urge all SPEEDX Full Members to vote in the upcoming BOD election! Tnx & 73s,

*Bob*

# SPEEDX QSL REPORT

Ray Forsgren - 4856 Inlet Drive - Chippewa Falls, WI. - 54729 - USA

## AFRICA

CAILROON/ R. Yaoude: 4850 f/d ltr. in 35 ds. after 4th f-up for \$1. V/S James Achyani Fontem. (Wilkins-CO).

CAPE VERDE/ Radio Voz de Sao Vicente: 3930 p/d Market cd. in 35 ds. after f-up for a PP rpt. & ms. V/S Carlos F. Goncalves. (D'Angelo-PA). Very nice Richard !!

EGYPT/ R. Cairo: 9900 f/d Luxor cd. in 60 ds. for an irc. (Gager-AUSTRIA).

GABON/ R. Japan Relay: 11800 n/d Rice fields cd. w/ goodies in 21 ds. (Van Horn-FL). f/g cd. w/ goodies in 32 ds. (Vercellino-IL).

IGERIA/ ORTN: 5020 f/d ltr. w/ sked. in 27 ds. for a FF rpt. & \$1. V/S Yacouba Alwali. (Masamune-JAPAN). f/d ltr. in 33 ds. after f-up for a FF rpt. & 2 ircs. (D'Angelo-PA). f/d pfc w/ sked. & ltr. in 6 wks. for ms & a SAB. (Wallace-MA). f/d ltr. w/ sked. in 55 ds. for a FF rpt. & tape, w/ an irc. (Russell-AL). f/d ltr. in 111 ds. for a FF rpt. & ms. (George - MA).

IGERIA/ VoM: 7255 f/d Airport cd. in 120 ds. after f-up for ms. (Card-R1).

RWANDA/ R. Rwanda: 3330 f/d cd. w/ ltr. & sked. in 580 ds. for a FF rpt. & \$1. V/S Fidele Inkulikiyunukiza. (Gager-AUSTRIA)...nice one!!

SOUTH AFRICA/ Radio RSA: 9615 f/d Zebras cd. w/ mags. in 66 ds. (Jones-TN). Radio 5: 4880 f/d Montage cd. in 110 ds. V/S Ms. Loretta Pieterse. (NJ-Janusz).

TANZANIA/ R. Tanzania-Zanzibar: 11735 n/d ltr. in 35 ds. after numerous f-ups for a tape & rpt. V/S MR. Abdul Rahman Moh'd Said. (Kusalik-AZ) Very nice Ed; congrats' !!

ZIMBABWE/ ZBC: 3306 p/d Map/Logo cd. in 119 ds. for \$1. (Coday-CA).

## ASIA

BANGLADESH/ R. Bangladesh: 15525 f/d form ltr. w/ Tiger cd. & sked. in 60 ds. for ms. V/S Kazi Rafique. (Ross-ON).

CHINA/ Yunnan PBS: 4760 f/d Cherry Blossom cd. w/ postcard in 94 ds. (Masamune-JAPAN).

INDIA/ AIR: 11620 f/d Temple cd. in 73 ds. (Washburn-ME).

INDONESIA/ RRI Ternate: 3345 p/d Form ltr. w/ sked. in 141 ds. for an IN rpt. & \$1. V/S Rusdy Bachmid. (Coday-CA). RRI Kendari: 4000 p/d Logo cd. in 20 ds. after f-up for an IN rpt. & \$1. V/S H. Sjahuddin. (Wilkins-CO)... A correct QTH: Jalan Laute Mandonga...thx John!

IRAN/ VOIRI: 9022 f/d War is Ugly cd. w/ mags. in 197 ds. for \$2. (TN-Evans).

ISRAEL/ KOL Israel: 11655 f/d cd. in 50 ds. for an irc. (Gager-AUSTRIA).

JAPAN MSB: 6115 f/d Stopwatch/Globe cd. in 105 ds. for a tape & ms. (Russell-AL).

NORTH KOREA R. Pyongyang: 15140 f/d cd. w/ postcard & greenbooks in 60 ds. for ms, after many rpts.!(Ross-ON).

PAKISTAN PBC: 17660 p/d B'casting House cd. w/ ltr. in 57 ds. after 5th attempt.(Washburn-ME)...patience does pay off!!

PHILIPPINES R. Veritas: 9710 n/d ltr. w/ anniversary sticker in 50 ds.(Miller-CA).

SINGAPORE BBC Relay: 11750 f/d photo cd. in ?? ds. for 2 ircs.(Soomre-IA).

SOUTH KOREA R. Korea: 9750 f/d Building cd. w/ goodies in 22 ds. for \$1.(Hawkins-TX). n/d Asian Games cd. in 23 ds.(Kline-CA). f/d cd. w/ goodies in 23 ds.(Kline-CA). 9750, 9670, 15575 f/d Han river cd. w/ goodies in 28 ds.(Miller-CA). 15575 f/d cd. w/ sticker in 35 ds.(Wright-MB).

SRI LANKA SLBC: 9720 f/d Station cd. in 131 ds. (Masamune-JAPAN).  
THR "Vishwa Vani":11825 f/d Elephants cd. in 71 ds. for 2 ircs. V/S Niranjan Fundamaj.(Flynn-CA). VOA Relay: 15250 f/d cd. in 14 ds.(Pa-D'Angelo).

#### EUROPE

AUSTRIA RAI: 6155 f/d Carinthia cd. w/ goodies in 80 ds.(Miller-CA). f/d cd. w/ sked. & forms in 110 ds.(Wright-MB). 9550 p/d personal ltr. w/ photos in 10 ds. V/S Herbert Kuhnle.(Miller-CA).Schulungsender: 5035 f/d Large white cd. in 16 ds. for a German rpt. (Gager-AUSTRIA) Nice!

BELGIUM RTBF: 17675 f/d Grand Square cd. in 15 ds. for a FF rpt. (Gager-AUSTRIA).

CZECHOSLOVAKIA R. Prague: 5930 f/d Museum cd. in 35 ds.(Johnson-CA). 11990 f/d Ostrava cd. in 50 ds.(Johnson-CA).

DENMARK R. Denmark: 11845 f/d flower cd. in 14 ds. for an irc.(Gager-AUSTRIA).

FRANCE RFI: 3965 f/d Arc de Triomphe cd. w/ sked. in 25 ds.(Wallace-IA).

GERMAN DEMO. REP. RDI: 9560 f/d Berlin cd. w/ many goodies in 74 ds.(Johnson-CA).

GERMAN FED. REP. R. Free Afghanistan via RFL-RL: 7295 f/d white & yellow cd. in 16 ds.(Kusalik-AB). 9680 f/d cd. in 16 ds.(Kusalik-AB).

GREECE Radiofonikos Stathmos Makedonias: 11595 f/d Acropolis cd. in 95 ds. for ms.V/S D. Goussides.(Ross-ON).

ITALY RAI: 9575 f/d Fiume cd. in 188 ds.(Johnson-CA).

NETHERLANDS R. Nederland: 9895 f/d photo cd. in 40 ds.(Vercellino-IL).

NORWAY RNI: 9590 f/d costumes cd. in 20 ds. for an irc.(Gager-AUSTRIA). 9650 (Sveio site) f/d procession cd. w/ goodies in 37 ds.(Flynn-CA).

PORTUGAL R. Free Afghanistan via RFL-RL: 11725 f/d cd. w/ sked., booklet & sticker in 16 ds.(Kusalik-AB).

SPAIN RBE: 9630 f/d Castle cd. w/ calendar in 39 ds.(Miller-CA).

/SWEDEN/ RSI: 15345 f/d Earth cd. w/ sked. in 20 ds. for 2 ircs. (CA-Kline). R. Sweden Home Service: 15420 f/d cd. in 17 ds. w/ sked. (AB-Kusalik).

/SWITZERLAND/ SRI: 12035 (Beromunster site) f/d Cathedral cd. in 13 ds. (Flynn-CA).

/WEST BERLIN/ RIAS: 6005 p/d building cd. in 37 ds. (D'Angelo-PA).

U.S.S.R.

R. Kiev: 9760 f/d Kiev cd. in 32 ds. (Gager-AUSTRIA).  
R. Moscow: 9580 f/d cd. in 38 ds. w/ sked. (Johnson-CA). 12030 f/d Hotel cd. w/ sked. in 38 ds. (Kline-CA). 15490 via Tashkent f/d Railway cd. in 7 wks. (Wallace-MA). 15110 via Kingisepp; 13790 & 15440 via Simferopol; 13775 via Tblisi; 11705, 13745 & 15530 via Serpukhov; 15540 via Kharkov; 15530 & 17645 via Armavir; 13680, 13710 & 15360 via Moscow; 17665 via Tula; 17875 via Yerevan; 15540 via Minsk, f/d Friendship cd. in 63 ds. (Soomre-MA).  
R. Yerevan: 9470 f/d plain white cd. in 99 ds. for a SS rpt. (George-MA).

NORTH AMERICA

/ALASKA/ KNLS: 11930 f/d studio cd. in 1 1/2 wks. for ms. (Wallace-MA). f/d cd. in 13 ds. for ms. (Russell-AL).

/CANADA/ RCI: 5960 f/d Olympics cd. in 16 ds. (Soomre-MA). R. Japan Relay: 5960 n/d Tamabata cd. w/ goodies in 22 ds. (Van Horn-FL). n/d Festival cd. w/ goodies in 88 ds. (Wright-MB).

/COSTA RICA/ R. Reloj: 4832 p/d Globe/Logo cd. in 18 ds. for a SS rpt., 2 ircs & a tape. V/S Francisco Barabona G. (Russell-AL). TIFC: 5055 p/d Logo cd. w/ form ltr. & pennant in 17 ds. after f-up for a SS rpt. & \$1. V/S Juan Jacinto Ochoa F. (Coday-CA).

/MONTSERAT/ DW Relay: 9545 n/d cd. w/ newsletter in 32 ds. (Johnson-CA).

/NETHERLANDS ANTILLES/ R. Nederland: 9590 f/d painting cd. w/ sked. in 57 ds. (Soomre-MA). TWR: 11815 f/d antenna cd. w/ goodies in 14 ds. for 2 ircs. V/S Sally Rork. (Hawkins-TX).

/UNITED STATES/ KVOH: 17775 f/d cd. w/ goodies in 27 ds. (Vercellino-IL). f/d cd. in 30 ds. for ms. (Heinen-CO). VoA: 5995 (Greenville) f/d cd. in 120 ds. for ms. (Kline-CA). WCSN: 9465 n/d cd. in 40 ds. for \$1. (Gager-AUSTRIA). 9815 n/d cd. in 84 ds. (Runnels-??). in 60 ds. for ms. (Heinen-CO). 7365 n/d cd. & info. in 60 ds. (Ross-ON). in 82 ds. (D'Angelo-PA). in 84 ds. (Wilkins-CO). 15270 n/d cd. in 33 ds. for ms. (Russell-AL). 15300 n/d cd. in 31 ds. (Hawkins-TX). 7465 & 21470 n/d cd. w/ sked. in 21 & 69 ds. for ms. (Flynn-CA). WHRI: 5995 f/d Logo cd. in 3 mo. for a SASE & \$1. (Wallace-MA). WRNO: 7335 p/d Globe/Flag cd. in 22 ds. for ms. (Kline-CA).

OCEANIA

/AUSTRALIA/ R. Japan via R. Australia: 9580 p/d Hands Across the Airwaves cd. in 2 mo. V/S Kazushi Matsuda. (Wallace-MA). VLM4: 4920 f/d cd. in 45 ds. for \$1. (Heinen-CO).

/MARIANAS ISLANDS/ AWR: 11980 f/d cd. w/ info., pennant, & other goodies in 38 ds. for \$1. V/S Dixie Roberts. (Kusalik-AB). f/d cd. w/ goodies in 45 ds. for an irc. (Ross-ON).

/NEW CALEDONIA/ RFO: 7170 n/d Map cd. in 2 mo. for ms. (Wallace-MA).

NEW ZEALAND R. New Zealand: 11780 f/d Sheep cd. w/ pennant & goodies in 13 ds. for 3 ircs. (Kline-CA). f/d cd. in 43 ds. for \$1. (Heinen-CO).

PAPUA NEW GUINEA R. Enga: 2410 f/d Map cd. w/ sked. in 5 wks. after f-up for ms. V/S Timothy Dickson. (Kusalik-AB).

SOLOMON ISLANDS SIBC: 9545 f/d Logo cd. in 1 mo. for ms & \$2. (Wallace-IA).

#### SOUTH AMERICA

ARGENTINA RAL: 9690 f/d Logo cd. w/ ltr. in 95 ds. V/S Hs. Silvana Licciardi. (Janusz-NJ).

BOLIVIA R. Panamericana: 6106 f/d Map/Logo cd. & ltr. in 15 ds. for a SS rpt. & ms + \$1. V/S Daniel Sanchez Rocha. (Van Horn-FL)...nice!

BRAZIL Radiobras: 11745 f/d Rio cd. w/ sked. in 40 ds. V/S Mara Ferreira. (Johnson-CA). R. Clube do Para: 4885 n/d ltr. w/ pfc in 18 ds. after f-up for a PP rpt. & \$1. V/S Solange Souza. (Wilkins-CO). R. Araguaia: 4905 f/d forn ltr. w/ sticker in 80 ds. for a PP rpt. & ms. V/S Paolo Magno. This via R. Anhanguera. (Wilkins-CO).

COLOMBIA R. Sutatenza: 5095 f/d ltr. in 48 ds. for a SS rpt. & \$1. (Casamune-JAPAN).

ECUADOR HCJB: ??? 2 f/d cds. w/ stuff in 39 ds. for ms. (Kline-CA). 9870 f/d Castle cd. in 47 ds. (Soomre-MA). R. Rio Amazonas: 4870 p/d personal ltr. w/ pennant in 57 ds. for a SS rpt., tape and ms. V/S Prof. Marco G. Diaz D. (Russell-AL). La Voz del Upano: 5040 f/d ltr. w/ info. in 68 ds. after 4th try for a SS rpt. & ms. V/S Luis A. Rivadeneira (Flynn-CA). Emisoras Jesus del Gran Poder: 5050 p/d folder cd. w/ sked. in 27 ds. after f-up for a SS rpt. & \$1. V/S P. Jorge Enriquez. (Coday-CA). R. Catolica Nacional: 5055 p/d ltr. w/ pennant in 76 ds. for a SS rpt. & 3 ircs. V/S P. Antonio Arregui. (Pagano-DC).

PERU R. del Pacifico: 9675 f/d ltr. in 95 ds. registered for a SS rpt. & ms. V/S J. Petronio Allauca. (Van Horn-FL).

VENEZUELA La Voz de Carabobo: 4780 p/d Microphone cd. in 20 ds. after 5th f-up for a SS rpt. & \$1. V/S Thamara Moratinos. (Wilkins-CO)...nice! R. Tachira: 4830 p/d personal ltr. in 29 ds. after f-up for a SS rpt. & \$1. V/S Eleazar Silva M. (Coday-CA). p/d ltr. in 33 ds. after f-up for a SS rpt. & ms. (D'Angelo-PA). p/d ltr. in 40 ds. after 4th f-up for a SS rpt. & 2 ircs. (Van Horn-FL).

#### PIRATES & CLANDESTINES

Tangerine Radio: 7432 f/d cd. in 30 ds. for ms. V/S "Raunchy Rick". (NY-Stephany).

Radio Truth: 5015 f/d pfc w/ booklet in 4 mo. for \$1. V/S J. Brown. (Kusalik-AB)...this was via the UK address...

La Voz del CID: 9940 f/d Logo cd. in 65 ds. for a SS rpt. & 2 ircs. (Holbrook-ND)... Hank says that they are now issuing a "classed-up" glossy card...

Voice of Unity: 11490 p/d green cd. w/ sked. & station info. in 5 1/2 mo. for \$1. The sender states that "they have not the staff to verify reports"! (Kusalik-AB)...nice one Ed!

Not too big a turn out this time around, but once again the quality is super! (Especially the great selection from Latin America). Sure wish I could have made it to Anarcon; maybe next year??? Congratulations are in order to all who were nominated for election to the BOD; best of luck to all of you; and this is for all of the full members out there: be sure and vote!!!  
73 & best of DX,

Ray



\*\*\* SOUTH AMERICA \*\*\*

CNTRY	FREQ	M	TIME CALL	CITY	IDENT	TRAFFIC	CONTRB
BRZL	12795.0	C	1723	RIO DE JANEIRO	NAVRAD	V MARKER	PAT-CA
CHIL	22473.0	C	1520	VALPARAISO	MARCO	CQ MARKER	ES -MA
COLD	6426.0	C	0435	BARRANQUILLA	MARCO	CQ MARKER	HMH-TX
COLD	17044.5	C	2035	BUNEVENTURA	MARCO	CQ MARKER	PAC-UK

\*\*\* EUROPE \*\*\*

CNTRY	FREQ	M	TIME CALL	CITY	IDENT	TRAFFIC	CONTRB
DEM	12329.0	C	0205	FREDERIKSHAVN	NAVRAD	V MARKER	BJ -TX
DEM	13077.0	C	0350	LYNGBY	MARCO	DE MARKER	BJ -TX
ENG	4251.5	C	0321	PORTISHEAD	MARCO	DE MARKER	JEB-CA
ENG	11200.0	U	2337	MVU	VOLMET	WX	RH -TN
ENG	13019.9	C	1412	PORTISHEAD	MARCO	DE MARKER	WEST
ENG	13019.9	C	1945	PORTISHEAD	MARCO	CQ MARKER	HMH-TX
FIN	12687.0	C	2005	HELSINKI	MARCO	YFC LIST	ES -MA
FRAN	4315.6	C	0214	LA REGINE	NAVRAD	V MARKER	SG -MA
FRAN	6421.5	C	0310	ST. LYS	MARCO	CQ MARKER	RH -TN
FRAN	8453.0	C	0515	PARIS	NAVRAD	V MARKER	HMH-TX
FRB	8638.5	C	0317	NORRDEICH	MARCO	V MARKER	RH -TN
FRB	13027.7	C	0038	NORRDEICH	MARCO	V MARKER	HMH-TX
GDR	6486.0	C	0350	YSH	MARCO	V MARKER	BJ -TX
GIBR	12824.0	C	1014	GIBRALTAR	NAVRAD	DE MARKER	SG -MA
GIBR	12824.0	C	0116	GIBRALTAR	NAVRAD	DE MARKER	BJ -TX
HOLL	13042.5	C	1337	PJC	MARCO	CQ MARKER	ES -MA
HOLL	17007.2	C	2024	PCM 61	MARCO	DE MARKER	ES -MA
ITLY	8714.5	C	0530	ICB	GENOVA	DSX MARKER	RH -MS
ITLY	12978.0	C	0242	ICB	MARCO	CQ MARKER	BJ -TX
NOR	12961.5	C	1045	LFI	ROBALAND	MARCO	ES -MA
NOR	17251.5	C	1351	LFW 6	ROBALAND	MARCO	CLG NORHAUSEN
SPAN	4235.5	C	0312	EDF	ARANJUEZ	MARCO	DE MARKER
SWIS	8714.0	O	0527	HEC	BERNE	MARCO	DE MARKER
SWIS	13023.7	C	1047	HEB	BERNE	MARCO	CQ MARKER
SWIS	13190.7	U	1948	HEB 33	BERNE	MARCO	CLG YKBP

\*\*\* AFRICA/MIDDLE EAST \*\*\*

CNTRY	FREQ	M	TIME CALL	CITY	IDENT	TRAFFIC	CONTRB
BRAN	8448.0	C	0553	AMH	MARCO	DE MARKER	PAC-UK
EBPT	8473.0	C	1950	SUP	MARCO	CQ MARKER	PAC-NH
ISRL	6379.0	C	0341	41Z	NAVRAD	V MARKER	BJ -TX
NIGR	13330.0	U	1836	5MK	AERO	TFC TO BEIRUT	PAC-UK
REUN	13216.3	C	1931	LFM	NAVRAD	V MARKER	SG -MA
SAUD	8484.5	C	0558	HZG	DAMMAN	MARCO	DE MARKER
SENE	8991.0	C	0405	6MW	NAVRAD	V MARKER	PAC-UK
SENE	16947.5	C	1325	6VA 7	NAVRAD	V MARKER	SG -MA
ZIRE	8903.0	U	2205	9PL	MARCO	CQ MARKER	PAC-UK
					AERO	MKG LUFTHANSA 571	SG -MA

\*\*\* ASIA/FAR EAST \*\*\*

CNTRY	FREQ	M	TIME CALL	CITY	IDENT	TRAFFIC	CONTRB
INDO	16861.5	C	1319	PKI	MARCO	CQ MARKER	PAC-NH
JPAN	5628.0	U	1354	JMA	VOLMET	MKG JAPAN AIR 4	LS -CA
JPAN	8685.0	U	0910	JCT	MARCO	CLG C6	PAC-NH
JPAN	13008.0	C	1414	JDR	MARCO	CQ MARKER	RH -TN
JPAN	17081.6	U	1855	JFA	MARCO	DE MARKER	PAC-NH
TIMN	12468.5	C	1722	TSI	MARCO	CQ MARKER	PAC-UK
TIMN	12780.0	C	1726	TSI	MARCO	CQ MARKER	PAT-CA

\*\*\* PACIFIC \*\*\*

CNTRY	FREQ	M	TIME CALL	CITY	IDENT	TRAFFIC	CONTRB
AUST	8521.0	C	1026	VIS	MARCO	DE MARKER	ES -MA
AUST	12952.0	C	0259	VIS	MARCO	V MARKER	BJ -TX
FFPD	6462.0	C	0425	FUM	NAVRAD	V MARKER	HMH-TX
HI	5628.0	U	1246	KUA 3	AERO	MKG UNITED 150	LS -CA
HI	5628.0	U	1339	KUA 3	AERO	JAPAN AIR 2	LS -CA
HI	6655.0	U	1348	KUA 3	AERO	MKG NORTHWEST 2	LS -CA
HI	8828.0	U	0331	KVM 70	HONOLULU	VOLMET	PAC-NH
NZEL	8828.0	U	0350	ZKAK	HONOLULU	VOLMET	PAC-NH
NZEL	12740.0	C	1030	ZLB	ANARUA	MARCO	CQ MARKER

\*\*\* RTTY \*\*\*

FREQ TIME	BD-SHIFT	CALL	CITY	IDENT	CNTY TRAFFIC	CONTRB
140.5 1100	200-425M	DFJ 60	FRANKFURT	EPD	FRG 66 NEWS IN ASCII	ND -FR
4787.2 2164	ARG	TJK	DOULA	ASECNA	CAME MSGS	ND -FR
7580.2 1758	50-490R	VVD 57	NEW DELHI	METEO	INDI MI	ND -FR
7943.2 1520	50-425M	ATK 58	NEW DELHI	PTI	INDI EE NX	ND -FR
8051.5 2323	FEC	MOO	OCEAN GATE	MARCO	USA MI	ND -FR
8107.8 1944	ARG	RFQP	DJIBOUTI	FRMIL	D31B 'CONTROLE DE VOIE'	ND -FR
10610.2 0550	50-425R	SUA	CAIRO	WEN	EBPT RYS	ND -FR
12187.7 1605	ARG	SUA	WARE	ASECNA	NIGR DE MARKER	ND -FR
13083.6 0180	ARG	WLD	WANEY	MARCO	USA MKG PACIFIC DOWDELL	HMH-TX
13095.0 1935	45-170M	KLC	MOBILE	MARCO	USA V MARKER	HMH-TX
14501.1 0625	75-425R	4UMD	GALVESTON	UNIFIL	LEB RYS	ND -FR
14526.4 0006	75-425R	VOA	LA UNION	FEEDER	PHIL EE NX	ND -FR

14732.0	1438	75-850R	VOA	MUNCHEN	FEEDER	FRG	RYS		
15950.0	1320	100-850R	CRX	MONTEVIDEO	NAVRAD	URGY	CLG	NBA	ND -FR
16243.0	2305	100-850R	PWZ 33	RIO DE JANIE	NAVRAD	BRZL	SS	MSGS	KR -FL
17413.6	1014	50-380N	GHH	JAMESTOWN	METE0	STHL	TEST	AND WX	ND -FR
19215.0	0245	TDM2-96	RFLID	POINT PITRE	FRML	GUAD	TFC		JEB-CA
19405.0	2055	98	FSB 63	PARIS	INTRPL	FRAN	MSGS	ABOUT BRAZIL	RMA-IA
19958.7	0721	50-370R	9HA	LUGA	AERO	MALT	RYS		ND -FR
22563.2	0700	FEC	FFT 91	ST. LYS	MARCO	FRAN	TFC	LIST	ND -FR

\*\*\* SHIPS \*\*\*

FREQ	M	TIME	CALL	NAME	TRAFFIC	CONTRD
454.0	C	0250	KWFD	ARCO TEXACO	AMVER TO NNC	LSM-CA
480.0	C	1655	RSXH	M/S CABO SAN LUCAS	EE TFC	LSM-CA
4090.0	U	0345	GBTT	QUEEN ELIZABETH II	WKG WOO	POC-NH
4125.0	U	2003	IPNT	MARIA MICHELA	CLG SEA	POC-NH
4128.0	U	0325	NYKN	USS YORKTOWN	WKG WOO	POC-NH
4128.1	U	0348	WRB 7528	KIMBERLY	P/P VIA WOM	RR -MS
8288.0	C	0110	LEUA	SS SONG OF NORWAY	R/R TFC	LSM-CA
8298.1	C	0205	UQJX	TH VLADIMIR ILICH	WKG KALININGRAD	KR -FL
8298.4	R	0016	UVMZ	SRTM VOLNYY VETER	WKG WOO	POC-NH
8348.0	R	0155	UZUR	RTMS KULIKOVO POLE	EE TFC	POC-NH
8349.0	R	0145	5LRJ	M/T OTTAWA	WKG KALININGRAD	KR -FL
8349.0	R	0205	ICCO	CARLA COSTA	EE TFC	LSM-CA
8349.0	C	0336	UGNX	TKH KOMSOMOLETS LITVY	TFC	LSM-CA
8352.0	R	0345	P60F	NEDLOYD KEMBLA	WKG ROTTERDAM	LSM-CA
8352.0	R	0155	UUDH	TH KOMSOMOLSK	RR TFC	JEB-CA
8354.5	R	0148	URHN	ORLENDK	RR TFC	LSM-CA
8355.5	R	0130	UVBR	TK B. KOZINTSEV	RR TFC	LSM-CA
8356.3	R	0113	UNUO	TK M. GRECHKO	RR TFC	LSM-CA
8382.0	U	1833	5MDL	LEON	CLG URB 2	KR -FL
8399.0	C	0130	HQID	M/V RIO SULACO	CLG 410	POC-NH
8436.5	R	0145	UUDJ	TH MAGNITOGORSK	TFC TO SUH	RR -MS
12733.1	U	2015	HO 8579	ALOHA	WKG KMI	RR -MS
12495.0	R	1850	GZHM	ALMAK	WKG GKV 54	POC-NH
12503.5	R	0150	XCOM	MCELGAREN	EE TFC	POC-NH
12505.0	R	0100	HCIG	M/V LAS GALAPAGO	EE TFC	LSM-CA
12505.0	R	0200	VPBT	ATLAS MARINER	EE TFC	LSM-CA
12505.0	R	0100	ELCM 6	CAVENDISH	EE TFC	LSM-CA
12505.0	R	0200	VPBT	NEW ZEALAND REEFER	EE TFC	LSM-CA
12513.5	R	0020	C6M6	TK M. GRECHKO	CLG URB 2	LSH-CA
12513.5	R	0155	UNUO	QUEEN ELIZABETH II	TFC	RMA-IA
12516.0	R	2150	BBTT	YACHT MUSTANG	EE TFC	LSM-CA
12519.0	R	0030	GMMT	TAURUS	EE TFC	LSH-CA
12519.0	R	0120	JAGP	M/V MEKHANIK KONDOVALOV	RR TFC	LSH-CA
12521.5	R	0045	UJCI	ELEKTRA	WKG Leningrad MARCO	LSM-CA
12523.5	R	0055	ELEO 7	NIS MORZHOVETS	CLG UFM	LSM-CA
12523.5	R	2222	UUY6	BATM MOSK. OLIMPIADA	WKG WCC	POC-NH
12526.0	R	0105	UNFA	GINGA MARU	WKG GKT 62	POC-NH
12541.6	U	1927	JFKC	GREAT HARMONY	CLG LFT	POC-NH
16463.1	U	2208	C4VH	SENTINEL II	RR TFC	LSM-CA
16470.0	U	1837	ELBY 4	TR MOLODAYA GVARDIYA	RR TFC	LSM-CA
16701.0	R	1925	UJFJ	BMRT V. SIMONOK	RR TFC	LSM-CA
16702.5	R	1930	UJNN	RTMS TURADA	WKG RIGA	LSM-CA
16702.5	R	1930	ULRD	NADE RYBAKOVAYTE	CLG UDH	POC-NH
16703.0	R	1747	UULD	GALAXY ACE	TFC TO 6KB	RR -MS
16743.2	U	1851	UERN			
16785.0	C	1930	SENN 4			

\*\*\* AERO \*\*\*

FREQ	M	TIME	CALL	TRAFFIC	CONTRD
4675.0	U	0355	TWA 816	POS RPT TO SHANWICK	RR -MS
5616.0	U	0648	LUFTHANSA 456	WKG GANDER	RJC-MA
5616.0	U	0550	MAC 46050	WKG NY AERO	RJC-MA
5616.0	U	0258	NAVY LN457	WKG NY	POC-NH
5696.0	U	1489	HHSF	WKG NY	RMA-IA
5696.0	U	2123	HU 25A GUARDIAN	WKG NYMF	RMA-IA
6577.0	U	0401	BIG 'A' 504	WKG CORPUS CHRISTI GROUP	POC-NH
6577.0	U	0517	OK 576	WKG NY	POC-NH
6577.0	U	0208	VIRGIN 6	WKG BOYEROS	POC-NH
6715.0	U	2212	PAC AF 01	WKG NY	POC-NH
8185.0	U	VAR	VIRGIN FLYER	WKG ANDREWS	BW -NE
8845.0	U	0302	AIR FRANCE 008	TRANS-ATLANTIC BALLON	PAC-UK
8846.0	U	1504	AMTRAN 503	WKG SAN FRAN	POC-NH
8846.0	U	1532	ANTILLEAN 982	WKG NY	POC-NH
8864.0	U	1501	SPEEDBIRD CONCORDE 2	WKG NY	POC-NH
8891.0	U	2111	TRADEWINDS 11	WKG GANDER	POC-NH
8903.0	U	2245	AIR TSCHAD 2043	TFC	POC-NH
8903.0	U	2104	LUFTHANSA 571	WKG KINSHASA	POC-NH
8903.0	U	2215	SPRINGBOK 238	WKG LUANDA	POC-NH
8924.0	U	1010	WI 981	CLG OPERATIONS CONTROL	POC-NH
9180.0	U	0652	SAM 86971	WKG TRAVIS CP VIA ANDREWS	PAC-UK
11055.0	U	1314	SAM 86970	WKG ANDREWS	BW -NE
11235.0	U	0039	NAVY LT 899	WKG MCCLELLAN	BW -NE
11249.0	U	2049	SAM 24126	WKG MCCORD	BW -NE
27225.0	A	2356	EUPHORIA	BALLON WKG CHASE CAR	BW -NE

\*\*\* TACTICAL \*\*\*

FREQ	M	TIME	CALL	TRAFFIC	CONTRB
5820.0	U	1018	LANDSCAPE	WKG MCCLELLAN	BW -NE
6761.0	U	1852	GRIF 19	WKG GRIF 20	BW -NE
6817.0	U	0705	PLATINUM	WKB MCCLELLAN	BW -NE
8989.0	U	2310	NAVY LK 02	P/P VIA LORING AFB	BW -NE
11055.0	U	1418	LEGISLATE	WKG ANDREWS	BW -NE
11243.0	U	1109	ORGANIZE	P/P POOL CUE VIA FOULLINE	BW -NE
15091.0	U	2228	GO CART 2	CLG RAYMOND 27	BW -NE
15091.0	U	2122	GO CART 2	WKG GO CART 1	BW -NE
15091.0	U	2202	RAIDER 2	CLG GUN FREIGHTER	BW -NE

\*\*\* QSLs \*\*\*

CNTRY	CALL	DES/ID	NAME/LOCATION	QSL/ POSTAGE/ #DAYS	FREQ	CONTRB
			GULF 29 AIRBORNE	PFC/STICKER MS 69D	8864.0	POC-NH
	C6ZU		SAGAFORD	LETTER 1IRC 5M0	8240.0	HH -MD
	GBDM		G.A. WALKER	LETTER N0POST 4M0	8370.0	HH -MD
	GBRP	M/V	ROYAL PRINCESS	PFC MS 21D	4109.5	POC-NH
	LCJK	M/V	STARWARD	PFC IRC 27D	4069.2	POC-NH
	W186AT		ANTRAM 503 AIRBORNE	PFC N0POST 15D	8846.0	POC-NH
	N269VA		VOYAGER ONE	PFC N0POST 196D	13312.0	POC-NH
	CTG		IRVING OCEAN	PFC MS 43D	2182.0	POC-NH
CNRY	EAJ	MARCO	LAS PALMAS	PFC 1IRC 270D	438.0	PAC-UK
ENG	GKB 4	MARCO	PORTISHEAD	CARD #1 63D	8559.5	HMM-TI
ENG	GKC	MARCO	PORTISHEAD	CARD 1IRC 9D	13019.8	ES -MA
ENG	GLD 3	MARCO	LAND'S END	LETTER #105 ABOUT 190D	2696.7	HH -MD
FRG	DAN	MARCO	NORDDEICH	CARD 1IRC 74D	17143.6	HMM-TI
FRG	DDH 9	MARCO	HAMBURG	PFC MS 21D	11039.0	POC-NH
GUAM	NRV	METEY	APRA HARBOUR	PFC MS 41D	12747.0	POC-NH
HOLL	PCW 1	MFA	DEH HAAS	CARD MS 34D	12658.0	PAC-UK
JAPAN	JNA	MARCO	TOKYO	CARD 1IRC 13D	12709.3	POC-NH
JAPAN	9HD	MARCO	VALETTA	PFC MS 27D	8698.0	HMM-TI
NCAL	FJP	MARCO	NOUMEA	PFC 2IRC 31D	2182.0	HH -MD
NOR	LGQ	MARCO	ROBALAND	PFC N0POST ABOUT 180D	8828.0	POC-NH
NZEL	ZKAK	VOLMET	AUCKLAND	CARD N0POST 14D	13190.7	POC-NH
SWIS	HEB 33	MARCO	BERNE	PFC MS 11D	13330.0	POC-NH
USA	KEP 5	AERO	HOUSTON	CARD MS 7D	8742.4	HH -CO
USA	NMF	USCG	BOSTON	CARD MS 7B	2870.0	HH -CO
USA	NMN	USCG	PORTSMOUTH	CARD MS 22D	2670.0	HH -CO
USA	NMW	USCG	ASTORIA	PFC N0POST	4331.0	ES -MA
USA	WCC	MARCO	CHATHAM			

\*\*\* CONTRIBUTORS \*\*\*

NAME	INI-ST	RECEIVER	\$ LOGS
ALEXANDER, RODNEY	RMA-IA	R 70	6
BERRI, JASON E.	JED-CA	R 2000 RF 2900	8
COLEMAN, R.J.	RJC-MA		2
CONWAY, PETER A.	PAC-UK	TS 4305 DX400	14
DELAUNOY, NICHOLAS	MD -FR		14
GEORGE, STEVE	SB -MA	DX 302	23
HACKNEY, RICHARD	RH -TN	R 70	23
HARDY, LE ROY S.	LSH-CA	R 71A	16
HAWKINS, HUGH M.	HMM-TI	R 71A	3
HEINEN, WAYNE	WH -CD	RBL 2 RBL 4	4
HOLBROOK, HANK	WH -MD		2
JONES, BRIAN	AJ -TN		2
O'DONNOR, PATRICK	QJ -TI	R 70	45
ROBERTS, KEN	POC-NH	IC R71A DX 302	7
ROCKER, RAYMOND	KR -FL	R 2000	7
SOOMRE, ED	RR -MS	FT 757X	8
SZALONY NC&W, LEONARD	ES -MA	R 2000	10
THOMPSON, PEGGY	LS -CA	TS 9305 R 71A	8
WARD, BARRY	PAT-CA	FRG 7	4
	BW -NE	R 71A CR 2021	18

Tiere Publications has announced the release of a new book, Radioteletype Monitoring by Dallas W. Williams. This book, which is especially good for newcomers to RTTY, introduces many of the different signal types and how to tune in, covers equipment, code, and cryptos, and includes a list of selected frequencies. Available for \$9.95 plus \$1 US shipping in US, \$2 US overseas. It's also available at many SW equipment dealers.

Another publication of note is Radiopanorama RTTY, published monthly by SPEEDXer Nicholas Delaunoy of Saintry, France. This is a computer-compiled time-soon of RTTY signals received at Nicholas' QTH, and lists time period, agency & city, target area, mode, and a list of frequencies active at the time. Very well done. Of course, it's in french, but I found it very easy to follow. Available from Nicholas at 54, Grand Rue, Saintry sur Siene, 91100 Corbeil-Essonnes, France. Cost is 2 IRCs for addresses in Europe, 3 IRCs for the rest of the world. Nicholas doesn't say, but I believe that is for an entire year.

I'm out of room here; and I don't have enough for another 3 pages! Please don't forget to vote for your SPEEDX BOD. It's up to you!! 73's..... Jeff

# SPEEDX SPOTLIGHTS:

SEPTEMBER 1987

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

TOTAL CONTRIBUTORS: 84

4	ABBINANTE, PHIL	MD IC-R71A	1	KUSALIK, EDWARD	AB	
2	ADDISON, JOE	KS R600		4	LANGLAIS, HAROLD	FL
1	ALEXANDER, RODNEY	IA IC-R70	4	LAVES, ALAN	TX R390A	
3	BERRI, JASON	CA R2000	2	LEITE, STEVE	MA NRDS15	
3	BISHOP, FORREST	NY RF4000	3	LORT, MARK	CA	
2	BLAIR, ARTHUR	CA NRDS15	1	MACGIBBON, BRUCE	OR R1000	
1	BOWDEN, RALPH	CA FRG7700	1	MARSHALL, RONALD	AZ	
6	BROWN, EDWARD	IL ICF6000W	1	MASAMUNE, ATSUSHI	JP R2000	
3	BUSH, DAVID	OH GE WM-2	5	MILLER, WILLIAM	CA DX400	
3	CARD, PETER	RI NRDS15	2	MUNSTER, RALF	GA FRG7700	
1	CARLISLE, FRED	WA NRDS15	1	MCCANTS, DONALD	AL ICF2010	
1	CODAY, RICHARD	CA FRG7700	1	O'CONNOR, PATRICK	NH IC-R71A	
3	COLEMAN, ROBERT	MA IC-R71A	1	ORR, DAVID	CA R2000	
1	CONWAY, PETER	UK TS430S	1	ORR, TONY	FL	
1	COUCH, ROBERT	TN R1000	3	QUAGLIERI, AL	NY EC95B/3	
3	CURTIS, WM. FREDDY	TN ICF2010	1	RADTKE, CARL	CA SPR4	
6	D'ANGELO, RICHARD	PA NC190	1	ROBERTS, KEN	FL R2000	
1	DELAUNOY, NICHOLAS	FR	5	ROBINSON, BETSY	TN FRG7700	
1	DEMMITT, JOHN	PA HOMEBREW	2	ROCKER, RAYMOND	MS FT757GX	
5	DILLON, PETER	MD DX400	2	ROSS, ROBERT	ON TS430S	
4	ESTES, WILLIAM	MS NRDS15	1	RUNNELS, ROBERT	TX IC-R71A	
1	EVANS, JAMES	TN R2000	1	RUSSELL, RICHARD	AL IC-R71A	
3	FAMULARO, RALPH	JP ICF6000W	4	SAMPSON, DANIEL	WI R1000	
7	FLYNN, BILL	CA R2000	3	SHAFFER, LAWRENCE	PA ICF2010	
3	FRASER, BOB	MA CR2021	1	SHARPE, BRYAN	CA DX302	
3	GAGER, PAUL	AU GRUN600	1	SHIMADA, SENSHU	JP FRG7700	
5	GEORGE, STEVE	MA R2000	5	SOOMRE, ED	MA R2000	
1	HACKNEY, RICHARD	TN DX302	1	SZALONY, LEONARD	CA TS930S	
5	HALSTEAD, GARIE	WV ICF2001	4	THOMPSON, PEGGY	CA FR87	
1	HARDY, LEROY	CA IC-R70	7	TRESCHER, FRED	PA FRG7700	
3	HAVRILKO, VINCENT	UK ICF2010	1	TWIGGS, DAVID	CT IC-R70	
3	HAWKINS, HUGH	TX IC-R71A	3	VAN HORN, GAYLE	FL RF3100	
2	HEINEN, WAYNE	CO R390A	3	VERCELLINO, JOHN	IL	
1	HOLBROOK, HANK	MD RBL2	3	WAKEFIELD, PAUL	IA ICF2010	
1	IMEL, J.	CA	1	WARD, BARRY	NE IC-R71A	
2	JANUSZ, EDWARD	NJ ICF2010	4	WEISS, CHARLES	OH RFB600	
7	JOHNSON, L.L.	CA	6	WESTENHAVER, WILLIAM	PQ ICF6500W	
6	JONES, ANTHONY	TN	1	WHITE, FRED	FL R1000	
4	JONES, BRIAN	TX IC-R70	1	WILKINS, JOHN	CO R1000	
3	JONES, DAVID	TN 5-1S1	3	WORD, PHILLIP	TX	
8	KLINE, JAMES	CA FR8800	6	WRIGHT, PETER	MB	
1	KLINGENFUSS, JOERG	MR ICF2010	6	ZIRKELBACH, BOB	CA R1000	

THE FOLLOWING COLUMNS DIRECT CONTRIBUTORS WERE NOT RECEIVED IN TIME:

LATIN AMERICA

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:

LATIN AMERICA/AFRICA

WELCOME to the following new full members for September...remember, you are now eligible to vote in the upcoming (this month) elections. CAST YOUR VOTE FOR THE BOD!!!

BLAIR, ARTHUR.....CA KLINGE, JACK.....CO SZALONY, LEONARD.....CA  
JOHNSON, L.L. ....CA SNYDER, DAVID.....NY TWIGGS, DAVID.....CT

And welcome to the following new/returning contributors to SPEEDX. Hope you enjoy your stay...

ESTES, WILLIAM.....MS LORT, MARK.....CA WRIGHT, PETER.....MS

JONES, ANTHONY.....TN VERCELLINO, JOHN.....IL

Thanks to the five of you for your contributions and I'll be looking forward to seeing your names often here!

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KLINGE, JACK  
KLINGENFUSS, JOERG  
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If you have comments, suggestions or questions about the club or the magazine, please include them with this form, and the Business Manager will forward them to the appropriate member of the staff. Thank you for your support of SPEEDX!

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# **SPEEDX** OFFICIAL 1987 BALLOT

**ONLY FULL MEMBERS** (as of September 1, 1987) are eligible to vote in the Board of Directors election. Your mailing label will include the words "FULL MEMBER" if you are eligible to vote. This original, initialed ballot must be returned to BOD President Jack Sanderson no later than midnight (Mountain Time), October 15, 1987 in order to be valid. No reproductions are allowed.

You may vote for no more than three (3) candidates. Mark the box to the left of the name of each candidate for whom you wish to vote with an "X". Initial the ballot on the line provided. Mail the completed ballot to:

Jack Sanderson, 7738 East Hampton Street, Tucson, AZ 85715-4212

**VOTE FOR NO MORE THAN THREE (3) OF THE FOLLOWING:**

- |                                              |                                                 |
|----------------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> Ralph S. BOWDEN     | <input type="checkbox"/> Richard LEMKE          |
| <input type="checkbox"/> Richard A. D'ANGELO | <input type="checkbox"/> Peggy THOMPSON         |
| <input type="checkbox"/> Carl HUFFAKER       | <input type="checkbox"/> Ron TROTTO             |
| <input type="checkbox"/> David B. JONES      | <input type="checkbox"/> William E. WESTENHAVER |

INITIAL BALLOT HERE: \_\_\_\_\_

This ballot is invalid without voter's initial, or if reproduced in any form.

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