

DX MONITOR

The Magazine of
The International Radio Club of America



VOLUME 12 NUMBER 15

DECEMBER 28, 1974

Sunrise - Sunset Maps

* FATHER JACK PEJZA *

As every good DXer knows, the path of the skywave part of a radio signal must be entirely in darkness in order to provide as good a path as possible between transmitter and receiver. More accurately, the point in the ionosphere where the waves refract must be in darkness, to allow the ions to recombine and thus let the signal through. For practical purposes, however, it is sufficient to say that both transmitter and receiver must be in darkness.

A DXer in Southern California, for instance, can pick up Chicago stations very easily after sunset, but during the day he can receive only stations within a groundwave range of a few hundred miles.

So it is important for a DXer to know where darkness exists if he wants to hear DX. The DXer in Illinois, for instance, is more likely to hear a daytime station in Pennsylvania signing on than off. He is also more likely to hear a daytime station in California signing off than on. In both cases, it is because a darkness path exists between him and the station.

The hours of darkness do not remain the same all year round. In winter, a DXer experiences an earlier sunset and a later sunrise, thus giving him more hours to DX. This is because of the changing angle of the sun. As the earth goes around the sun, its axis always points to the same spot in space, but since the axis is tilted $23\frac{1}{2}^\circ$ to the plane of the orbit around the sun, the sun appears to change its height in the sky, and the length of day and night change. The difference between the length of day in various seasons depends on a DXer's location north or south of the equator. The farther away from the equator you are, the bigger the difference will be between winter and summer. For instance, north of the Arctic Circle, the sun never sets around June 21; instead it stays above the horizon, dipping lower at midnight, but still in the sky. On the other hand, around December 21, the sun never rises at a spot north of the Arctic Circle. So the change from winter to summer is from no sunlight to 24 hours of light.

At the equator, the sun would appear in the northern sky on June 21 and in the southern sky on December 21, but never more than $23\frac{1}{2}^\circ$ from the zenith (the spot directly above the viewer). The difference between the length of day and night is very small, no more than 15 minutes from winter to summer.

For most of us, somewhere in between the North Pole and the equator, there will be a noticeable change in the length of day throughout the year. The farther north you live, the more change. But to determine exactly when sunrise or sunset will occur, you have to consult a table of sunrise/sunset times or a map showing the same. And that's the purpose of this set of maps.

There are a couple of other reasons why a knowledge of SR/SS times is handy. First, many U.S. stations either are licensed to operate only during daylight hours, or at least must change power (and in some cases, antenna pattern) at night. But the F.C.C. doesn't make a station change exactly at sunrise or sunset; instead it allows stations to use the time of sunset or sunrise on the 15th of the month for that entire month. For instance, sunset in Chicago is at about 1745 EST on the 15th of October; any daytimer there would have to sign-off at that time throughout the entire month. During the first part of October, sunset in Chicago actually occurs after 1745, so the station is signing off in daylight; however for the last half of the month sign-off would occur after sunset, thus giving DXers to the east a chance to hear it.

The reverse would be true in February. A station would sign off before sunset during the first part of the month and after sunset during the last part of the month.

Since daytime stations are licensed to begin operations at 0600 local time, sometimes they will begin broadcasting before sunrise. By knowing the time of sunrise, sometimes you can pick up such a station.

There's another reason why SR/SS times are important. Sometimes interfering stations will pass in to sunlight before the desired station, thus clearing the way for the reception of the wanted station. For instance, suppose a Midwest DXer is getting interference from a New York station while he wants to hear a Colombian on the same frequency. Winter would not be the best time to try for the Colombian, since sunrise occurs in Bogota before it does in New York. However, six months later, sunrise in New York occurs at 0431 EST, while it happens at 0549 EST in Colombia. Thus a DXer might have over an hour of interference-free reception, all other factors being equal.

To take another example: suppose a Colorado DXer wants to try for the Chinese powerhouse on 1040, but gets too much interference from WHO, Des Moines, IA. If he waits until sunrise in Des Moines, the Chinese station might be heard clearly without interference.

Two other cases of this have brought in some extremely good and rare DX in the summer, when conditions otherwise are very poor, especially for East Coasters. EC DXers have heard stations in South Africa when interference from European stations has been eliminated by sunlight. In a similar way, West Coasters have heard stations in South America below the equator (Chile, Peru) after interference from North American eastern stations has been eliminated.

So it helps to know when sunset and sunrise occur at various places throughout the world in different seasons. Since the angles of the sunrise and sunset lines change throughout the year, a map for each month is necessary. These maps include two for each month: one for the entire world, and one for North America. The world-wide maps have been prepared by Father Jack Pejza; the U.S. maps by Ernie Wesolowski. The worldwide maps have times of sunrise and sunset shown in Eastern Standard Time. The domestic set have only the last digits of the time shown, so that the DXer can use a time system which is convenient to him (either EST, his own time zone, or GMT).

The following table will enable the DXer to write in the correct time on the domestic maps. Start with the area of central Maine and proceed westward, adding one hour at each double zero. Be sure to doublecheck your hours before you begin.

MONTH	EST LSR	EST LSS	HONOLULU
January	0715	1615	2245
February	0645	1700	2300
March	0545	1745	2315
April	0445	1830	2315
May	0415	1900	2330
June	0345	1930	2345
July	0400	1915	2345
August	0430	1845	2330
September	0515	1745	2300
October	0600	1645	2230
November	0630	1600	2215
December	0715	1600	2215

To change these EST times to other time zones, use the following conversions:

GMT add 5 hours (e.g., Jan. LSR = 1215 GMT)
AST add 1 hour (e.g., Jan. LSR = 0815 AST)
CST subtract 1 hour (e.g., Jan. LSR = 0615 CST)
MST subtract 2 hours (e.g., Jan. LSR = 0515 MST)
PST subtract 3 hours (e.g., Jan. LSR = 0415 PST)
HST subtract 5 hours (e.g., Jan. LSR = 0215 HST)

To convert Standard time to Daylight Time, add one hour. (e.g., July sunrise in Maine = 0500 EDT).

Both sets of maps show the lines of SR/SS on the fifteenth of the month. Near the beginning or end of each month, approximate times of actual sunrise and sunset can be found by comparing the times on the two adjacent maps. For instance, for August 1, use the July 15 and August 15 maps to interpolate to the times of SR/SS.

The domestic maps are accurate to within 10 miles of true average times. The worldwide maps are accurate to about 15 minutes; these should be sufficient for most purposes. For more accurate values of the times of sunrise and sunset, tables are published, such as Useful Tables from the American Practical Navigator, published by the U.S. Hydrologic Office, and printed by the U.S. Government Printing Office, Washington, DC 20402. Such tables are available as an IRCA reprint.

New Storer VP Comes Abroad with Own Crew

By CHRIS GODCHAUX
LOS ANGELES — So you wanna get into radio?

Several months ago, Marketing/West noted that Ray Stanfield, general manager of Storer Broadcasting's Los Angeles outlet, KGBS, had switched the station to an all-talk format in hopes of regaining some of its clout originally amassed when quipster disc jockey Bill Balance let his tonsils run free.

But Storer, fearing pressure from the FCC, stepped in and, via Stanfield, told Balance to expunge the innuendos and

reign in the racy chatter that made his "Feminine Forum" a latter day landmark in radio programming.

Today Stanfield, the man who turned Balance on, then off, and who put a microphone in the hand of former L.A. mayor Sam Yorty, has had his contract cancelled.

While Storer's Bob Edell, a vice presidential level press-agent, stubbornly maintains Stanfield resigned, Ray says he was fired. "You might say we negotiated our way out of an agreement," he said in an interview.

Yet Stanfield's departure isn't an isolated case. In recent months, general managers of all Storer radio stations have either been axed, demoted, or "retired." Among them:

- Reggie Martin, head of WGBS in Miami, took early retirement. Edell claims Martin retired on his own volition and the latter confirms it.

- Chuck Renwick, former Storer national promotion manager, assigned the general manager spot at WHN in New York City—out. Edell contends Renwick left to pursue other interests. A source at the station

says he was shoved out.

- Kent Slocum, who was running WSPD in Toledo, is gone. No one is familiar with the details of his departure.

- James P. Storer, general manager of WJW in Cleveland, has been reassigned. Nepotism aside, Storer has been named assistant to the president, according to Edell. Other sources in the company say he was pushed into a headquarters administrative slot termed by one as "pastureland."

The man behind the shakeup is said to be Jay Watson, Storer's new vice president in

charge of the radio division. "Watson wanted his own people—it's that simple," says Stanfield.

Watson's choice for Stanfield's job is Paul Cassidy, former general manager of KSPX, an ABC-owned FM station in San Francisco. Cassidy spent 10 years with Westinghouse and for awhile was general sales manager of KFVB in Los Angeles. He spent a year with KHJ, RKO General's rock station in L.A. before joining ABC several years ago.

Does Stanfield foresee an
(Continued on Page 14)

STORER

(Continued from Page 12)

overhaul of his all-talk format? "It's a distinct possibility," he replies, but adds that nothing concrete has been planned. "The talk format is expensive and they might be trying to save a few bucks. And with talk radio, there's a lawsuit lurking around every corner."

Others point out that Cassidy is essentially a "music man, and is not "talk oriented."

Stanfield claims Yorty's morning show is gaining some strength against its competition and that over-all, the others—a two-girl team called Mickie and Teddy, plus Balance—are keeping the station "right on target" ratings-wise.

"We should do better in the fall," Stanfield says. "The rockers always have the big numbers in the summer."

The ousted radio executive wants to stay in Los Angeles and says he'll no doubt stay in radio, "the one thing I know the best." He admits that if he goes in as a general manager, "it's because the station will be in trouble. I've been running radio stations for 18 years and during that time I've always been putting out fires."

Stanfield, looking back, says the sacking didn't come as a surprise. "I think they were astounded I didn't quit when Storer forced the change in the Bill Balance Show (which was the top show in its time slot by a wide margin). But then maybe I should have quit then and there."



Jabbar tries his hand at new job

Milwaukee Bucks' Kareem Abdul-Jabbar will switch from basketball to headphones for three hours each Saturday afternoon as he begins a new career as jazz commentator and disk

jockey for Milwaukee station WNUW-FM. He will select his own music, write commentaries and do interviews with jazz recording stars collected during his basketball travels.

UPI PHOTO

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PUBLISHING STAFF: Executive Editor: Father Jack Peiza, (714-282-2184), Publisher: Grant Manning, (714-566-1264), Chief Stapler: Dave Stroup, Chief Folder: Albert Lobel, Chief Bundler: Randy Seaver.



International Radio Club of America
12536 Arabian Way, Poway, CA 92064



Devo Williams 17A
Box 615, Hwy. 101
Astoria, OR 97103

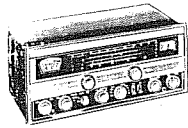
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IRCA dx monitor

The Magazine of the
International Radio Club of America

Supplement

VOLUME 12 NUMBER 15 JANUARY 4, 1975

DX CALENDAR DX CALENDAR DX CALENDAR

All times Eastern Local Time

Mon. Jan. 13	0000-0300	WAJR 1440	Morgantown, WV	5/.5kw U4
	0100-0300	WITY 980	Danville, IL	1kw U4
	0405-0150	WCSI 1010	Columbus, OH	.5kw D1
	0200-0300	WISN 1130	Milwaukee, WI	50/10kw U4
	0200-0300	WIVS 850	Crystal Lake, IL	.5kw D3
	0200-0300	WILL 580	Urbana, IL	5kw D3
Tues. Jan. 14	0100-	WESO 970	Southbridge, MA	1kw D1
	0300-	KQWB 1550	Fargo, ND	5kw D1
Mon. Jan. 20	0130-0200	WFAR 1470	Farrell, PA	1kw U2
	0200-	WINE 940	Brookfield, CN	1kw D1
	0300-0400	KMIN 980	Grants, NM	1kw D1
	0330-0400	KPOC 1420	Pocahantas, AR	1kw D1
	0300-0330	KBEW 1560	Blue Earth, MN	1kw D1
Mon. Jan. 27	0100-	WEAQ 790	Eau Claire, WI	5kw U2
	0200-	WLCX 1490	La Crosse, WI	1/.25kw U1
Mon. Feb. 3	0145-	WEOK 1390	Poughkeepsie, NY	5kw D3
	0230-0300	WMBS 590	Uniontown, PA	1kw U2
	0300-0330	WLBK 1360	DeKalb, IL	1kw D1
	0330-0400	KLAD 960	Klamath Falls, OR	5kw D1
Mon. Feb. 10	0100-0200	WGIL 1400	Galesburg, IL	1kw U1
	0200-0300	WPUT 1510	Brewster, NY	1kw D1
	0300-0330	WNNO 990	Wisconsin Dells, WI	.5kw D1
Mon. Feb. 17	0300-0330	WCRV 1580	Washington, NJ	1kw D1
	0400-0430	WBEN 1500	Quitman, MS	1kw D1
	0400-0500	KCRL 780	Reno, NV	50kw U2
Mon. Feb. 24	0300-0330	KTHE 1240	Thermopolis, WY	1/.25kwSH1
Wed. Feb. 26	0030-0100	WEXT 1550	West Hartford, CN	1kw D1
Mon. Mar. 17	0000-0100	WBJW 1440	Winter Park, FL	5/1kw U2
Mon. Mar. 24	0230-	WOTT 1410	Watertown, NY	5kw U2
Mon. May 5	0000-	WIXE 1190	Monroe, NC	.5kw D1

WAJR will use contemporary music, IDs in voice and code. Reports go to Jim Murphy, CE, WAJR, West Virginia Radio Corporation, P.O. Box 867, Morgantown, WV 26505. Arranged by Gene Vonderembse for NNRC.

WITY--ordinarily signs off at 0100, but will stay on until 0300. Will not mention this a test, but will send tone every 10-15 minutes with call letters. Send reports to Ralph L. Cox, CE, WITY Radio, P.O. Box 142, Danville, IL 61832. Arranged by Skip Dabelstein for NRC.

WCSI-- will play contemporary music, tone tests, with frequent IDs. Send reports to Carl Plaster, CE, WCSI Radio, 501 Washington St., Columbus, OH 47201. Arranged by Jim Pogue for IRCA and NRC.

WISN-- no program details. Reports go to Robert P. Johnson, CE, WISN, 759 N. 19th St., Milwaukee, WI 53201. Arranged by Victor Loberger for NNRC.

WIVS--no program details. Send reports to Bernard Carlson, CE, Radio Station WIVS, Lake-Valley Broadcasters, Inc., Crystal Lake, IL 60014. Arranged by Jim Pogue for NRC.

WILL-- no program details. Send reports to Rob R. Beldon, CE, Radio WILL, 228 Gregory Hall, Urbana, IL 61801. Arranged by Jim Pogue for IRCA and NRC.

WESO--will use series of tones with frequent IDs. Reports go to Richard LaVallee, CE, WESO, 399 Main St., Southbridge, MA 01550. Arranged by John Eckerd, Jr. for NNRC.

KQWB--will use a 15-minute pre-taped program (no other data.) Reports go to Curt Peterson, CE, KQWB, P.O. Box 2983, Fargo, ND 58102. Arranged by Tom Blossom for NNRC.

WFAR--will have 30 minute program of test content nature, using 1 kw non-directional mode. Reports go to Sanford Schafitz, Radio Engineer, WFAR, 147 Radio Road, Sharon, PA 16146. Arranged by Eugene Vonderembse for NNRC.

WINE--no program details. Send reports to Patrick Carlone, CE, WINE Radio, P.O. Box 1335, Danbury, CN 06810. Arranged by Kenneth Van Tassell for NNRC.

KMIN--test is tentative. Verie signer is Chuck Jackson, KMIN, Box 980, Grants, NM 87020. Arranged by Ernie Wesolowski for IRCA and NRC.

KPOC--engineer overslep for 12/16 test, so rescheduled it for 1/20. Verie signer is Jim Cathey, KPOC, Box 508, Pocahantas, AR 72455. Arranged by Skip Dabelstein for NRC.

KBEW-- engineer overslept for Dec. 16 test, so reschedule it for 1/20. Verie signer will be John Salewske, KBEW, Box 360, Blue Earth, MN 56013. Arranged by Skip Dabelstein for NRC.

BROADCASTING

INFORMATION

(as compiled by Mike Worst)

new 800	1/4-D	Cave City, Ky.	requests WKVE
KEYH 850	10-D DA	Houston, Tex.	start operation
KGFX 1060	10-D	Pierre, S.D.	to 10-D, 1-N DA-2
KACO 1090	1/4-D	Bellville, Tex.	start operation
WOTR 1370	1-D 1/2-N	Corry, Pa.	granted WVCB
KEWP 1380	1-D	N. Little Rock, Ark.	requests KDXE
KLAM 1450	1/4-U	Cordova, Alaska	SH 0730-1200, 1700-2200
WCIS 1460	1-U DA	Moss Point, Miss.	to 1/2-U ND
WTLO 1480	1-D	Somerset, Ky.	requests WSET
WPNO 1530	1-D	Auburn, Me.	to 10-U DA

From the December 16 issue of Broadcasting.
There were no changes in the Dec. 9 issue.

Geomagnetic Indices

December 18-23 17 25 16 14 13 11

Radio conditions are expected to be unsettled 4-9 January.

1974 FBIS

Mike Hardester passes on the word that the 26th edition of "Broadcasting Stations of the World," with information corrected to 1 June 1974 is now available from the U.S Government Printing Office. The publication is again in four parts and lists all foreign AM, FM, and TV stations.

P & B 134-74 Part I-- AM stations by country and city	\$2.65
P & B 135-74 Part II--AM stations by frequency	\$2.65
P & B 136-74 Part III--FM stations	\$2.40
P & B 137-74 Part IV-- TV stations	\$4.25

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U.S. Government Printing Office
Washington, DC 20402

Payment must accompany each order. Overseas mailing, add an additional 25% of the total order.

"Broadcasting Stations of the World" is put out by the Foreign Broadcast Information Service, commonly known among DXers as FBIS, a branch of the CIA. This is an inexpensive way of getting a list of foreign CEB stations. It's not as complete as the WRTH, and is most accurate for areas of the world in which the CIA has an interest, but it is good log.

Ghoti notes that there are several errors in the article, "Radio, Out West, is ... Strange," which originally appeared in the Philadelphia Bulletin and is reproduced on Page 117 of this volume of DX Monitor. KMAR is assigned to Winnsboro, LA on 1570 and not to Marshall, MO, where the call and frequency are KMMO-1300. Also KPRS is not in Paris, IL, but is on 1590 in Kansas City, MO.

IN THIS ISSUE...

- * No DXW-1, EDXF or CDXF this issue.
- * Start of IRCA membership list
- * March-April Sunrise-Sunset Maps

MAIL CALL

The long-awaited second-class permit has finally appeared, after nine months of waiting. We will keep on sending out one page by second class until we get our refund from the P.O. Hopefully, this should be within an issue or two.

Indications from the few members who bothered to inform us of the time it takes for second class are that it takes anywhere from nine days to three and a half weeks on the average for the second-class section to arrive. Longest time indicated was 41 days. The first-class section usually arrives on the East Coast by Friday or Saturday--within a week of the date indicated on the masthead.

eastern dx roundup

Editor: Mike Milock, Box 533 Lorain, OH 44052

And Here we are again! So let's get right into the business at hand:

- 900 WPIA KY LOUISVILLE; Noted topping CHML w/ PSA power 12/15 0617-30. Relig. Prgm. (ELK)
920 WIND NY LAKE PLACID; In vy well at 0600 s/on but unn.. This on 12/15. IDed as "Voice of the Adirondacks". (ELK)
960 WPIR VA ROANOKE; Noted 12/15 at 0600 s/on, so SM silent period is longer.(ELK)
WEAV NY PLATTSBURGH; Also had an 0600 s/on 12/15 so at least not AN-7. (ELK)
1150 WGOV TN CHATTANOOGA; In like a brick on ET 12/16 w/rock 0150-0200. (ELK)
1550 WFTN PA NEWTON; In fairly well on 12/15 0700 1/2-06 1/2. Nx-wx-S followed by Contemp mx. First time here. CBE looped but took over at 0713.(ELK)
1560 WKAA SD ABERDEEN; Strong on 12/16 w/ET-OC 0231 1/2-39 1/2. Noted while looking for KBEW which I didn't hear. (ELK)
WGLB WI PORT WASHINGTON; Also noted w/ET-OC-Mx while looking for KBEW. Had from 0243 1/2-51. Everybody decide to test at the same time? (ELK)

BROUGHT TO YOU BY: (ELK)-Ed Krejny/6538 Belmeadow Dr./Middleburg Hts, OH 44130

Hello Everyone! Ye ole editor is back! The problems w/ the work hours have been solved, permanently, I hope, and I hope to continue for a long time! Good to be back. Deadlines here will be every MONDAY, at the above PO Box. I want to thank Carol for the tremendous job she did filling in for me. I believe I speak for the Club when I say "thanks for a job well done". Hopefully more next week.....Hi Charley! 73, and good DX to all. Happy New Year, and a belated Merry Christmas.

central dx roundup

Editor: John C. Keluher, Box 7543, Fairfield Stn. Fort Wayne, IN 46807

THE HAT TIPPED THIS WEEK TO:

- PB - PHIL BOERSMA, 15570 Cleveland St., Spring Lake, MI 49456 (Panasonic RF-1600)
JEB - JOHN BRADLEY, 3835 Hawk Lane, Colorado Springs, CO 80917 (Realistic Astronaut-8)
HGC - HAL CHRISTIANSON, 555 Community Row, Winnipeg, Manitoba R3R 1H6 (DX-160, 30' LW)
JDF - JAY FLORIAN WDX9XIK, 300 East Main St., Round Lake, IL 60073 (Panasonic RF-5000a, 70' LW)
REM - ROBERT MCKINNEY, RR #2, Clinton, IL 61727 (Halli S-120, SM-1)
DF - DAVE PETERSON, 800 Humboldt, Winnetka, IL 60093 (Zenith table radio)
JTP - JIM POGUE, 11 University, Apt. 2, West Lafayette, IN 47906 (Zenith 7000-Y, SM-2)

580 CFRA ONT Ottawa, good 12/2 2031 w/Wx, temp. "32 degrees at CFRA" (PB)

- 620 CFCL ONT Timmins, tent. 12/2 1950-55 w/FF talk u/WTMJ. Who else would be FF on 620? (PB) (Belgium is off at that time, hi-Ed.)
710**KERE**CO** Denver, 12/9 0535, fair w/TT(JEB)
730 WJMT WI Merrill, 12/8 0735, fair o/pest CKDM and WGN s/lop w/state and local Nx, Wx, spots (JDF)
750**WBMD**MD** Baltimore, hrd testing w/R&R and C&W Mx 0222-36 12/2, o/2 UnID SS stns and WSB OC (JDF) Exlnt on ET 12/9 w/EL Mx C114, SID C115. Carrier off immediately afterwards (JTP)
KMMJ NE Grand Island, 12/13 0741 with "Farm Calendar", w/WSB, fair(JDF)
810 WATI IN Indianapolis, 12/13 0743, fair w/UnID w/Capitol City Wx and spots (JDF)
850**WWJC**MN** Duluth, very good on ET o/UnID TTer and SS stns MM 12/9. TT and MoR Mx. They test fairly often, a friendly station (DP)
860 WGOM IN Marion, 12/13 0800-05, good o/QRM w/Nx and Wx, R&R Mx and Music Radio IDs (JDF)
WOAY WV Oak Hill, 12/8 0731, fair u/CJBC w/SSB and s/on, then Wx and C&W Mx (JDF)
870 KJIM TX Fort Worth, 12/13 0745, fair w/WWL at s/on w/SSB, then quick fade, think they played C&W (JDF)
900 KHOZ AR Harrison, fair 12/4 1755 o/CHML w/sports, s/off 1800 with inv. to FM (PB)
910 WFPB OH Middletown, 100w giant finally hrd 12/2 w/C&W, ID and UPI Nx, 0650-0700 (PB)
930**KKIN**MN** Aitkin, believed to be the one very weak u/WGNT/WKY w/ID on ET, 0120 12/9 (DP)
KWOC MO Poplar Bluff, 12/8 0708, fair w/WTAD/WBEN w/C&W-gospel Mx and spots (JDF)
940 WFNC NC Fayetteville, 12/13 0731, fair o/WGIT w/local Nx and spots, faded quickly (JDF)
960 WEAV NY Plattsburg, fair 12/9 0240-41 w/Wx, MoR Mx (PB)
980 KSGM IL Chester, 12/12 1818-40, bombing in o/WITY and weak WONE (far a change), w/Music Radio and Radio 98 IDs, pop Mx, Mutual Nx at 1830, local Nx 1835 (JDF)
CFPL ONT London, 12/5 2123-33, fair w/R&R and Wx in degrees G and F (HGC)
1050**WTCA**IN** Plymouth, 12/9 good on DX test 0205-0210, had 1000 Hz TTs, IDs every minute, u/CHUM (PB) Fair-good on DX test 0300-0330 12/9, IDs every five minutes, o/u heavy CHUM QRM (DP)
1060 CFCA ALT Calgary, 12/2 good 0251-56 o/weak TTer w/MoR Mx, Wx for Calgary at 0255 (PB) Fair-good 12/2 0344 over UnID w/C&W and R&R Mx, ID and Wx report (JDF)
1110 WELX OH Xenia, 12/12 1715, good w/AM s/off right after WMBI s/off, no SSB(JDF)
1130 WNEW NY New York, finally hrd 12/4 0835-42 o/WCAR/WISN w/traffic report, WNEW sports (PB)
1140**KLPR**OK** Oklahoma City, tuned in to test at 0243-0309, but annrc said test started 0200. ET featured C&W Mx and IDs. They really emphasized the fact that there were no ads. Over all, 12/9 (JDF)
1150 KSAL KS Salina, fair 12/6 o/CKOC w/stock market report 1750-52, MoR Mx, calls given 1756 (PB)
1220 WLPO IL LaSalle, finally hrd after WKRS s/off o/WGAR w/Nx, ads, Wx, then 1730 s/off w/SSB, 12/7 (JDF)
CHSC ONT Saint Catharines, 12/9 0239, fair o/KEB w/WGAR off + testing, w/Wx and C&W Mx (JDF)
1230**KRIZ**AZ** Phoenix, 12/9 0231-0323, way on top with TT (JEB)
KDZACO** Pueblo, 12/9 0335-55, good with varying tones, jingle IDs (JEB)

January 4, 1975

1250 WDVA VA Danville, 12/9 0159, UPI Nx pgm, then s/off, fair w/mess, no SSB hrd (JDF)

WTMASC**Charleston, 12/9 0200, poor o/wDVA s/off, w/ID, then OC (JDF)

1270 WORX IN Madison, 12/8 0659, fair o/WXYZ w/SSB, s/on, religious pgm (JDF)

WXYZ MI Detroit, 12/6 0530-48, good with R&R, WXYZ Nx, promo "The Best Music, WXYZ." Killed daily by WHBF 0600 s/on (HGC)

1300 KGLO IA Mason City, 12/8 0104-10, good, CBS and local Nx, FCC status, SSB and off, w/CJME QRM (HGC)

CJME SAS Regina, 12/5 0542-53, good w/R&R, ID and ad for Everybody's Pizza

1320 KXYZ TX Houston, good o/QRM (HGC) w/R&R Mx on Clarence Day show 1747 12/11. Many 13-K IDs (REM) (Poo on their IDs-Ed.)

1370 WCOA FL Pensacola, fair in heavy KGNO QRM w/"Our Changing World" pgm, pres. by Pensacola Home and Savings, 1808 12/10 (REM)

KOKE TX Austin, very weak but alone with Capitol City Wx and C&W Mx, 1822-30 12/9 (REM) (I believe it's capital city, capitol bldg.-Ed.)

1380 KLIZ MN Brainerd, quite good o/WMEE with s/off annmt, 0100 12/9 (DP)

1410 CKSL ONT London, 12/6 0552-0604, exlnt w/R&R, killed by WIZM 0600 s/on

KQV PA Pittsburgh, 12/2 0412, (HGC) sounde@ like the call o/WING w/talk of the snowstorm, MoR Mx, fair, new, are they NSP? (JDF)

1420**WHBN**KY**Harrodsburg, 12/2 fair thru WHK on DX test w/s/on C300, TTs 0301-06, ID 0306, TT resumed to 0307 tune-out (PB) Fair-good 12/2 0300-30, w/tones and IDs on DX test, o/u WHK and UnID (JDF)

KTOE MN Mankato, 12/3 1725, fair o/WVJS-WOC w/sports Nx, ads, Nx, faded quickly (JDF)

1470 KLIB KS Liberal, fading in and out u/WMBD w/market report by YL DJ, then "Thought for Today" and s/off, 1828-35 12/11 (REM)

1480 KBEA KS Mission, fair 11/28 o/WHBC/WISM 1815, w/calls at end of Nx, Wx, 29⁰ in Kansas City-Mission (PB)

1500**WDEN**GA**Macon, 12/2 0409, poor w/UnID rocker, testing w/R&R-C&W Mx, IDs for AM and FM (JDF)

WPMB IL Vandalia, 12/12 1715-30, on top after WZBN s/off w/Nx and spots, then 1730 s/off w/SSB (JDF)

1510 WINU IL Highland, 12/7 1744, poor u/very strong WLAC w/s/off and SSB, just barely made out ID (JDF)

KIFG IA Iowa Falls, weak 11/28 o/WLAC 1731, w/ad, calls 1732 (PB)

KPTT NE Columbus, fair 12/3 o/WLAC w/ad and s/off 1800, inv. to FM, which would have "K-Triple-T"Nx

1530 KTMN AR Trumann, 12/4 1741, fair (PB) u/WCKY w/C&W Mx and spots, s/off 1743 w/SSB (JDF)

KFBK CA Sacramento, 12/9 0205-35, w/ID then R&R after KNIE s/off, poor

KNIE WY Cheyenne, 12/2 0204-06, (JDF) poor w/UnID (KFBK) w/UPI Nx then s/off and SSB (JDF) Good 12/9 o/u KFBK w/UPI Nx ending 0205, s/off followed at 0206, then TTs at 0207 and after (PB)

1550 KQXI CO Arvada, fair briefly w/end of s/off mentioning xr in Englewood 1830 12/4. Vocal SSB (REM)

KLFJNC**Springfield, 12/5 0400-20, fair w/WOKJ w/gospel Mx and very detailed ET. CE said what was going on at all times (JDF) Fair-good on DX test 12/5, 0415 mentioned sked, personalities, etc., then said something about fixing the xr, and went off. If back on after 0500, not hrd due to CBE(DP)

1560 KCRB IA Council Bluffs, 12/4 fair u/WQXR and o/WDXR w/Iowa state Wx, then Nx and sports Nx (JDF)(time?-Ed.)

WKDOKY**Liberty, 12/5 0432-36, good with tones on f/c, s/off at 0436, over KCAA (JDF)

1570 WHEL IN New Albany, 12/5 1730, good o/UnID s/off, w/s/off and no SSB (JDF)

WSSA GA Morrow, 12/4 1728, fair o/WTRB w/s/off and SSB (JDF)

WTRB TN Ripley, 12/3 1733, fair o/GFOR w/spots, R&R Mx and Wx (JDF)

1580**WFVR**IL**Aurora, On ET 12/9, very weak for the distance, announced frequencies of TTs, then broadcast them, full ID 0200 (DP)

KDOM MN Windom, 11/28 1752, fair thru mess w/state and local Nx, YL newscaster, calls hrd 1753 ("KDOM Nx has learned...") (PB)

KESM MO El Dorado Springs, 12/12 1758, fair o/QRM w/spots, in briefly but nice while it lasted (JDF)

VWKOOH**Columbus, bombing in with ID on ET 0200 12/9, o/WFVR and SS stn. Gave frequencies and powers for both AM and FM (DP)

WHHM TN Henderson, 12/3 1731, fair, on top w/spots, ID, sports Nx (JDF)

1600 CHNR ONT Simcoe, 12/2 0103-05, fair over KCRG/WWRL w/Nx, sports, Wx, gave temp. at CHNR, overcome by KATZ 0105. Ex-CFRS-1560 (PB) (Phil also notes that according to our friends in the other club, CHNR uses the same towers as CHWO-1250. Ed.)

PER THE LIST: 1st Thurs. WLSI-900-KY (DP)

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Glenn Hauser enlightens us, as follows:

"STL means studio-transmitter link, a term widely used in the US broadcasting industry. Usually refers only to an FM transmitter on a point-to-point band, such as above Channel 83, rather than to other means of linkage, such as phone lines." Tnx Glenn. This is also sometimes called a UHF microwave link, and they even have call letters, as some stns (e.g. WDXR-1560) mention at their s/off.

Hope to reveal some more of Glenn's top-secret info at a future date. Only kidding about that, really, but at times my own ignorance overwhelms me. Perhaps I was a bit hasty a few columns back when I said no US daytimers before 0600 local time. One reporter said he had heard, and verified, a station which was (and is) a daytimer, and it was signing on at 0530 local time, and if there was anything illegal about it, they didn't seem to be aware of it. Well, I always thought 0600 was the earliest (seems like you can have almost a clear channel on sunrise, like on 900, and then all the eastern daytimers come on all at once at 0600, and it's the biggest racket you ever heard). AWO seems to concur, and he's the engineer in these parts. But can anybody tell us for sure, just what the law is in this respect? That is, are any dispensations granted to allow a "nominally" daytime station to come on before 0600 local, or stay on after local sunset, on a semi-permanent basis? Also due for an explanation are some of the anomalies like WRMA-950. This refers to actual permits, not tests, emergencies, stuck relays, etc. Little points like this are, I think, interesting to both the beginning DXer and those more advanced. 73 in 75? S'long-Charley

+++++

THE HAT TIPPED THIS WEEK TO:

KDF - KARL FORTH, 630 South Ardmore, Villa Park, IL 60181 (HQ-160, SM-1)

WK - WALTER KUENAST, 6304 Belo Horizonte, Austin, TX 78731 (Sharp Z-2500, 3' box loop)

RAL - BOB LAZAR, 1109 Niesen Road, Port Washington, WI 53074 (Heathkit GR-78, SM-2)

JCK - Editor (XCR-30, loopstick, preamp)

560 WQTE MI Monroe, is now R&R, "all oldies, all the time," hrd 1600 12/15 and noted previously u/WIND on car rx. IDs as "Honey Radio, WQTE Monroe and WHNE, Birmingham," (FM I guess) used to be "Cutey Radio" w/EL Mx (JCK)

570 WWNC NC Asheville, fair o/WKBN with Christmas greetings, C&W, 0305 12/7 (RAL)

600 WMT IA Cedar Rapids, 12/16 0117, fair w/CBS Nx, ID, ad and s/off w/SSB

620 WTMT KY Louisville, 12/16 /((WK) 0640 w/WWNR in WTMJ null with C&W Mx, ID, spot (KDF)

WVMT VT Burlington, fair 12/9 0503 till 0603 WTMJ s/on, dominating freq. most of the time w/Nx, C&W, frequent TCs and Wx (RAL)

660 KOWH NE Omaha, good w/soul Mx 0808 12/14, faded in about 5 minutes (RAL)

680 WMPS TN Memphis, 12/14 1646, w/fair but fady signal (still daylight here), R&R and good ID before Nx at 1700, WCaw nullled (JCK)

750**WBMD**MD**Baltimore, 12/16 0108, strong w/ET, ID, rock Mx, off 0111(KDF)

810 WEDO PA McKeesport, 12/14 0715, fair with "dramatic" s/on, then buried by WDMP/WATI (KDF)

850 KGKO AR Benton, 12/14 1758, weak u/KFUO w/s/off and SSB (KDF)

860 KOAM KS Pittsburg, very strong w/Christmas Mx and spot for S&L in Joplin,MO, 1734 12/14, burying CJBC till pattern chg 1758 (JCK)

930**KKIN**MN**Aitkin, 12/9 0115, poor with WGST (WGNT?-Ed.) and others w/ID and Mx on test (KDF)

940 KVSH NE Valentine, 12/2 w/detailed Wx 1755, later hrd s/off 1815 (KDF)

960**WRFC**GA**Athens, 12/16 0217, exlnt w/TT, ID, dominated frequency (WK)

980 KFWB CA Los Angeles, 12/16 0238, good with "KFWB News 98," Wx, PST TC and spot for Los Angeles County Museum of Art (WK)

WRC DC Washington, 12/16 0231, poor w/ID "This is WRC Radio in Washington, DC, where you hear the best music and news from the nation's capital"

1010 KLRA AR Little Rock, 12/16 0530, /((WK) good w/SSB and s/on (KDF)

1050 WCRI AL Scottsboro, 12/16 1746, weak under WCFL splatter w/s/off (KDF) (WCFL splatter is everywhere-Ed.)

EMIS MO Portageville, 12/4 1745, fair with s/off (KDF)

1080 KYMO MO East Prairie, 12/3 1746, fair thru KRLD w/s/off (KDF)

1100 WLBB GA Carrollton, 12/2 1730, weak u/3WE w/s/off (KDF)

1110**KCIA**NM**Humble City, 12/16 0222, on 3rd Mon. r/c w/ID and 1 khz TT (KDF)

1130 CKWX BC Vancouver, 12/16 0257, fair with promo for "CKWX Snow Patrol", ski report, and C&W Mx (WK)

1140**KLPR**OK**Oklahoma City, 12/9 0202 w/ET, ID, C&W Mx, good (KDF)

1150 KDEF NM Albuquerque, 12/8 0315, good with Christmas Mx and Fish and Game Commission report (WK)

1190 KAYQ MO Kansas City, 12/8 0344, fair under KLIF w/Wx and MoR (WK)

1220 WBVI AL Birmingham, 12/4 1746, poor with s/off (KDF)

KRMC OK Midwest City, 12/16 1815, poor to fair o/UnID Texan w/s/off (KDF)

1230 KODE MO Joplin, 12/16 0201, fair w/s/off, ment. s/on to be 0630 (KDF)

1250 WDAE FL Tampa, 12/8 0411, fair w/ID, Wx and spot for CBS Mystery Theater

CHSM MAN Steinbach, good w/WREN /((WK) nullled 11/16 0325, had "Classics Till Dawn," ID for CFAM-950 and CHSM-1250 (RAL)

KPAC TX Port Arthur, 12/16 1805, good w/Texas Wx, jingle, Gulf Wx (KDF)

1260 WNDE IN Indianapolis, 12/8 0432, good with ID, gold market discussion, and Howard Cosell show (WK)

1270 WHBF IL Rock Island, believed the one briefly o/nullled WXYZ w/Nx items for Rock Island and Iowa, 0003 12/15 (JCK)

1280 WANS SC Anderson, 12/8 0445, poor with simulcast w/WARP 91.7, Due West, South Carolina, ID'd as such (WK)

1300 WTAQ IL LaGrange, 12/15 0217 w/SID, then religious pgm, o/u WERE teletalk, s/off 0232 w/SSB (JCK)

WFBR MD Baltimore, 12/15 0239, w/weak but definite ID thru mess. After several checks, 1st time hrd here since ant chg (Dave Schmidt note), used to be almost pest (JCK)

1330 WHOT OH Campbell, 12/15 0300, anncmt WHOT w/Jerry Starr? then PSA and Nx, u/WFBC (JCK)

1340 KROC MN Rochester, quite good in WRIT null 12/7 0425, w/"The Calloway Show" and ads (RAL)

1370 KXLF MT Butte, 12/2 0154 w/Wx, Mx and theme followed by "on KXLF," before WSPD went into Mx (KDF)

WFEA NH Manchester, 12/16 0505, noted w/SSB and s/on u/WSPD (KDF)

1400 WMAN OH Mansfield, 12/16 0500, fair-good w/ID and s/on, news (KDF) (Hey, if you had some WBAT QRM, you could say you heard Batman, yuk-Ed.)

1420**WHBN**KY**Harrodsburg, 12/2 0319, w/ID on test, various tones, fair-good (KDF)

1460 WBNS OH Columbus, definitely no more SM SP, strong w/Nx 0256 12/15 (JCK)

1500 WGEN IL Geneseo, fair o/u KSTP w/s/off 1732 12/9 (RAL)

1520 WHOW IL Clinton, poor w/s/off o/u KMPL, WLUV 1730 12/12 (RAL)

WHIC KY Hardingsburg, 12/7 1727, briefly atop w/Wx and ID, may have been s/off 1729 (JCK)

1530 KFBK CA Sacramento, fair w/MoR 0233 11/16 (RAL)

1550**KLFJ**MO**Springfield, 12/5 from 0401, fair w/promos, IDs, gospel Mx, o/u WOKJ (KDF)

1560 KWCO OK Chickasha, good o/u WQXR w/no sign of WDXR 0003 11/16, had Nx and s/off w/SSB at 0014 (RAL)

KKAASD**Aberdeen, 12/16 0231, w/s/on for brief ET (KDF)

WGLBWI**Port Washington, 12/16 0244, weak w/several IDs, and into Mx ET (KDF)

1580 WESY MS Leland, fair w/s/off 1801 12/15

1600 WARU IN Peru, fair w/Nx in heavy /((RAL) QRM, 0700 12/15 (RAL)

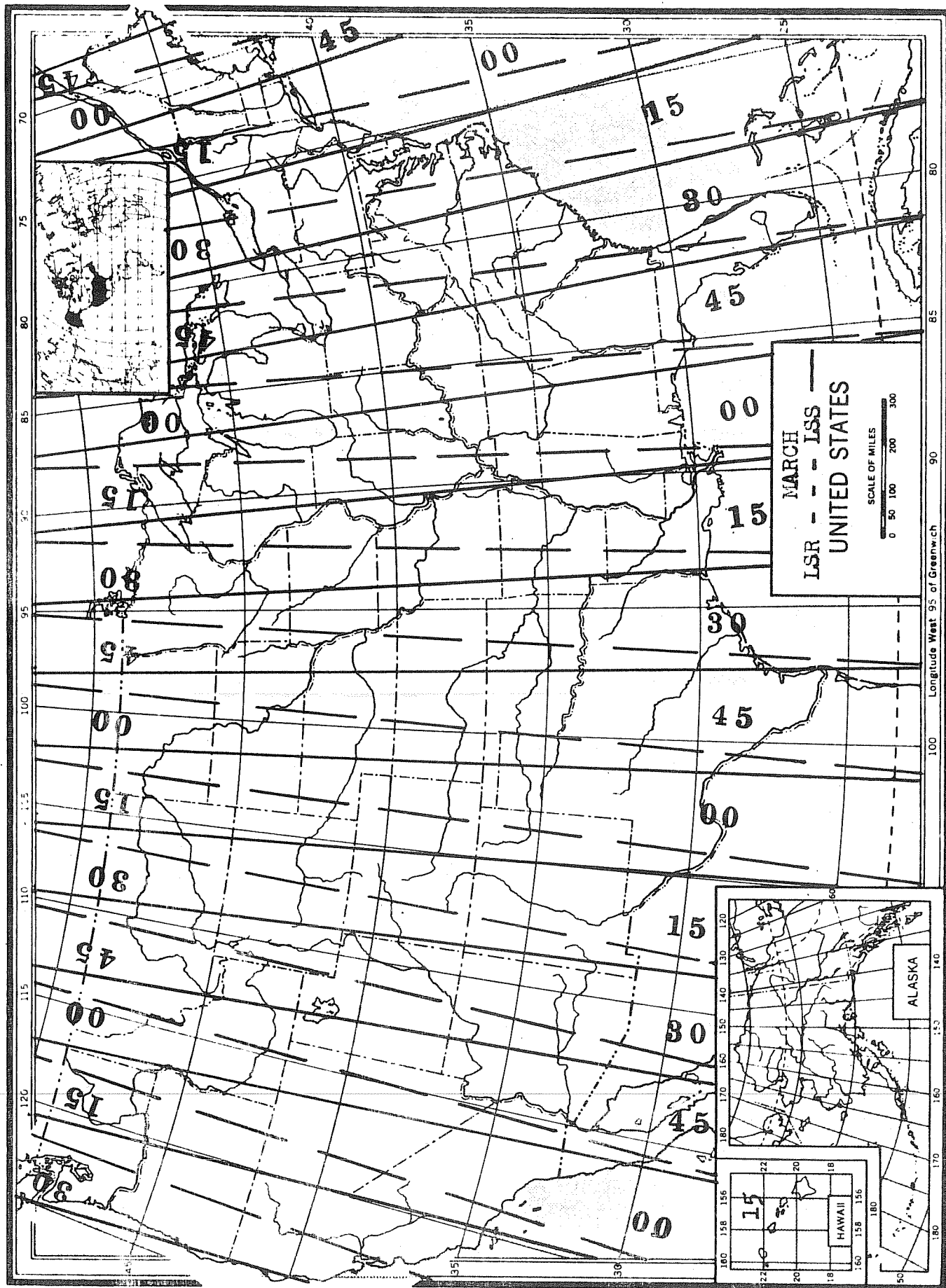
CHNR ONT Simcoe, 12/9 strong w/local Wx, hockey scores, s/off with national anthem 0105, fairly common here since (KDF)

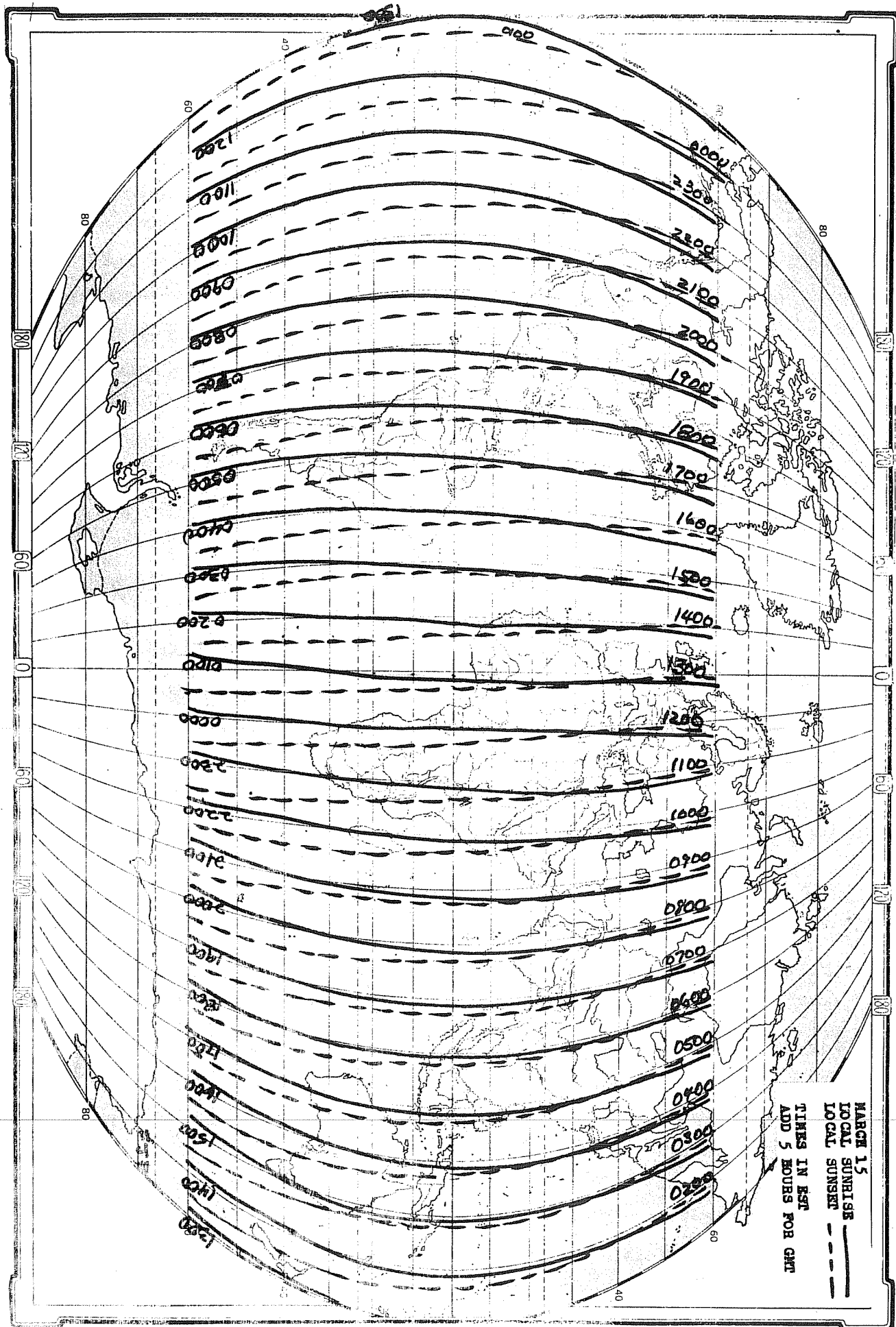
PER THE LIST:

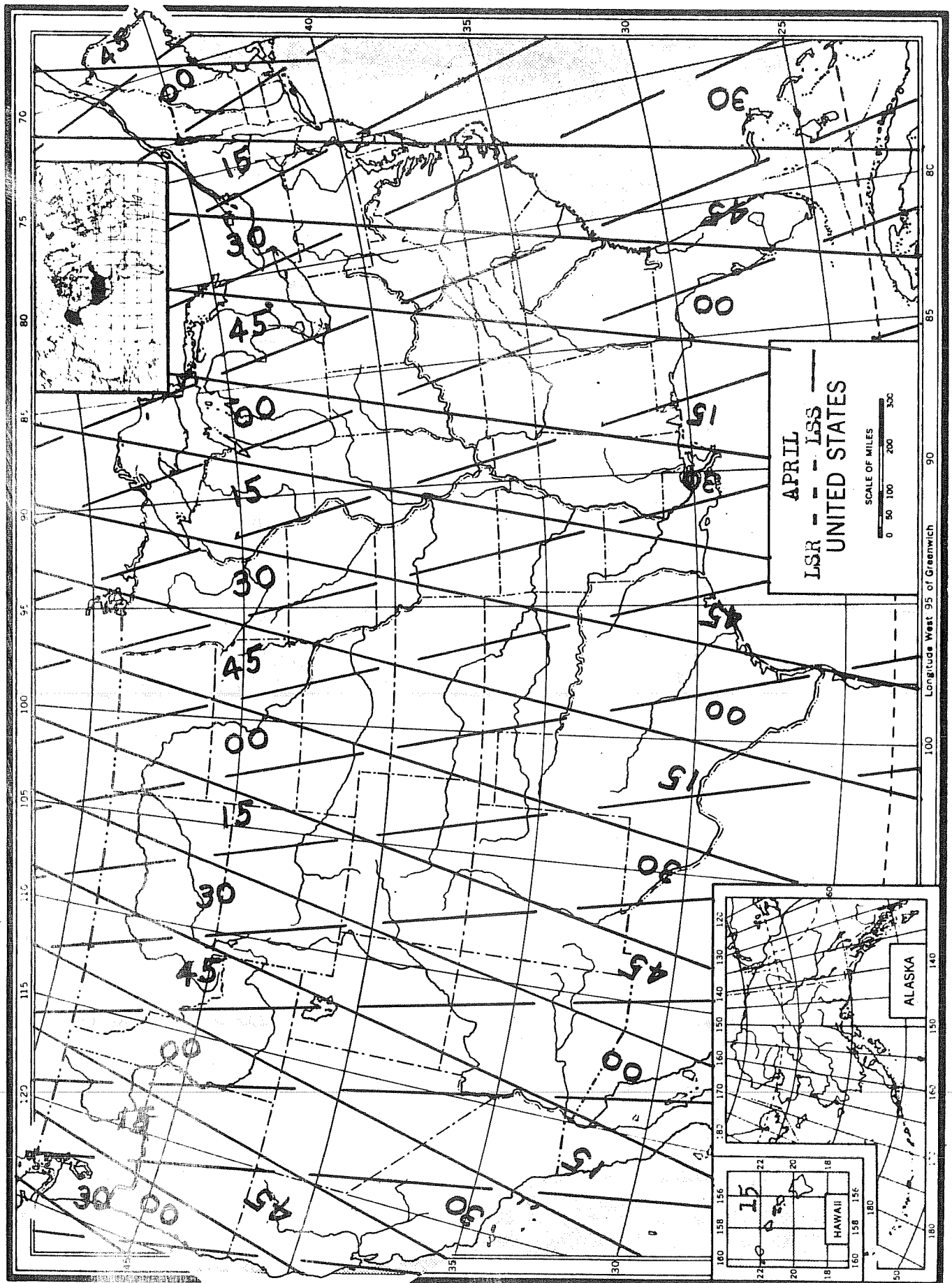
1st Thu: WSVL-1520-IN T (KDF)
 WZYX-1440-TN Mx (KDF)

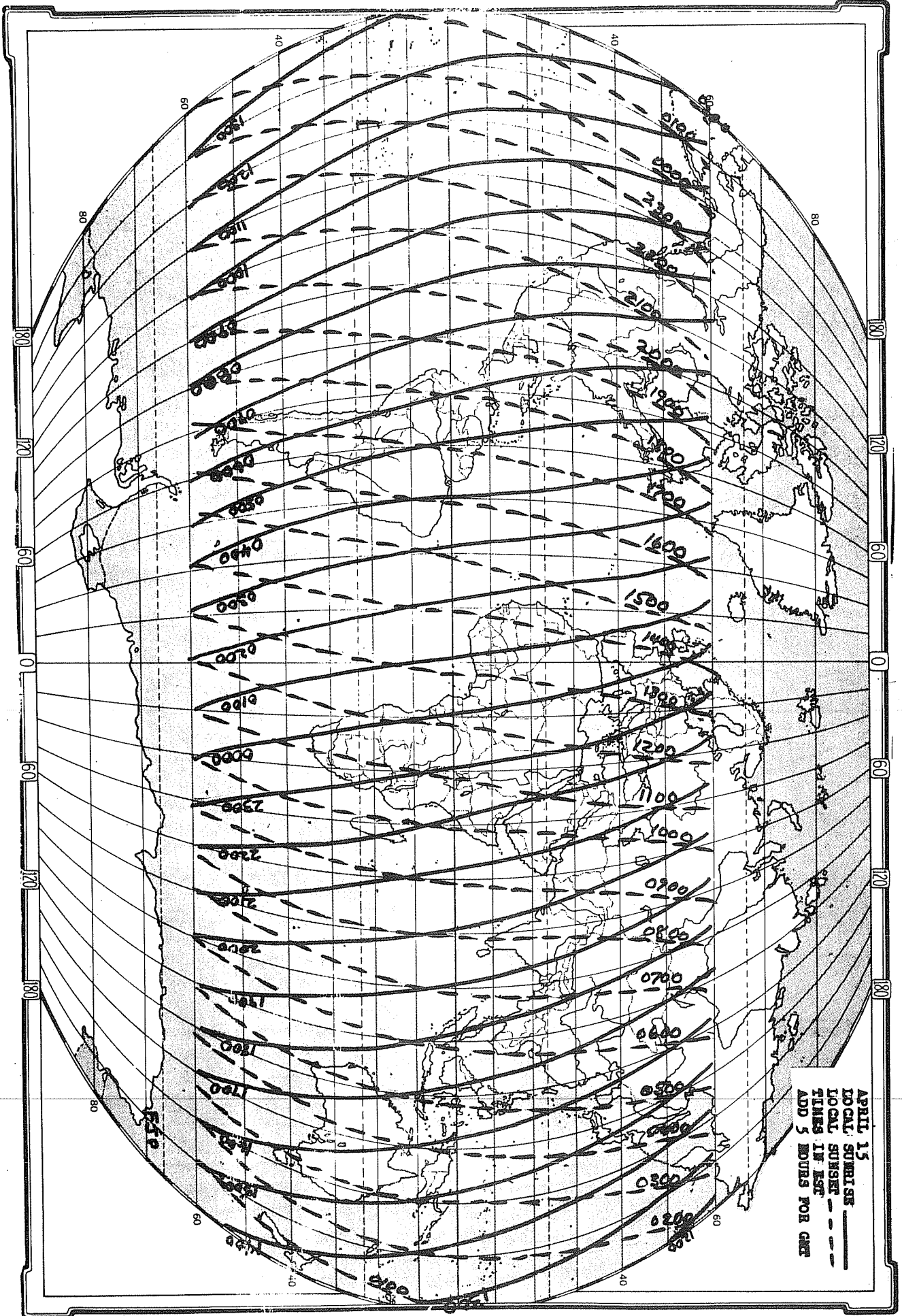
2nd Sat: KNLV-1060-NE T, IDs 4m, 0110-20(KDF)
 KJEF-1290-LA T, 5m IDs (KDF)
 KDCE-970-NM T, 5m IDs (KDF)

Some more of Glenn Hauser's secrets (which should be known to anyone who has studied for FCC exams): A1 emission is that which is commonly known (for commonly unknown reasons) as Continuous Wave, and consists of turning the carrier on and off to create Morse or other code pulses. Glenn says he believes that broadcasting stations are not authorized to use it, which makes sense as it would result in undesirable harmonics all over the place. A2 emission consists of leaving the carrier on, and turning a tone on and off for the code pulses. We call this Code IDs. A3 emission is ordinary broadcasting, with carrier always on, and almost always some (varied) modulation. So for our purposes you might as well forget about the A1, A2 stuff, since code IDs is all you're supposed to be hearing, besides the regular stuff. Just don't call 'em CW IDs when they aren't, okay?-73, Charley











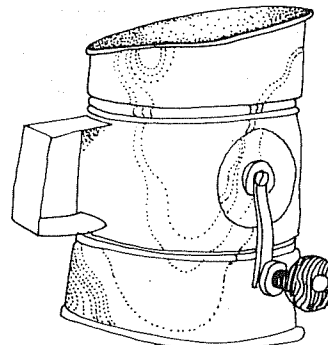
DXWW

DXWW-II.11 4 January 1975

According to my calculations, Sabah-1475 is radiating the equivalent of 1.92 MW along an azimuth of 57°. San Francisco is at an azimuth of about 46-50° with respect to Sabah. Since I don't have any info on hand concerning the relative magnitudes, phases, of R.F. into each of Sabah-1475's four towers, nor spacing between the towers, I cannot calculate the effective power toward Poway. I suppose Grant will lie awake for nights in tears because of that, hi.

CHAS A. TAYLOR
939 EASTERN AV
INDIANAPLIS IN
46201

317-638-4166
No collect calls
please.



*Sift
Through
This*

Continuing from last week:

LA BIBLIA DICE/BACK TO THE BIBLE BROADCAST

PART III

Station	kHx	Location	Schedule	Code
Manx R.	1594	Douglas, ISLE OF MAN	1230Z	2-7
Manx R.	1295	Douglas, ISLE OF MAN	2015Z	2-7
TWR	1466	Fontbonne, FRANCE	2015Z	2-7
			2130Z	2-6

Far East and Pacific				
HLXX	1190	Seoul, REPUBLIC OF KOREA	0830Z	2-7
JOFF	1020	Naha, Okinawa, JAPAN	0005Z	2-7
BE922	1150	Tai Bei, Tai Wan	0730	2-7
WVUV	1120	Pango-Pango, AMERICAN SAMOA	(no time listed)	1
ZAP	1420	Apia, WESTERN SAMOA	0430Z	7

All programs Back to the Bible. All Z Times GMT, otherwise, local. Code: 1;Su, 2;Mo, 6;Fr, 7;Sa.

All the above are printed recognizing that perhaps most of us will never hear them here in North America. Nevertheless, let us not be so arrogant as to define as DX only that which will be of interest to the North American DXer. This club bears the name of the International Radio Club of America, but I fear that we are far from living up to our name. I wonder if the name, International, wasn't thought of merely as an alternative to the name, National Radio Club. This smacks of the same mentality that allows we Americans to name our annual baseball playoffs, the World Series. Just a word, a name. But does it reveal our true mentality? Gentlemen, our two nations may be two of the richest, but perhaps you will find as I have, that we are not the center of civilization, the focus of the universe. The National Radio Club's subscription to Europe is \$18; the International Radio Club's, \$25. I personally know one of Europe's leading and best known DXers, is not a member of IRCA for this reason--sad. And the blame is not at Poway, a group of dedicated, dynamic IRCA'ers. The blame is with us gentlemen, and as long we are unaware of the implication of INTERNATIONAL, it will remain with us. What can we do, I don't know. But awareness is 50% of the problem.

LATEST NEWS from the world of DX:

PILIPINAS: The callsign for the construction permit at Barrio Bolotan, Iba, Zambales, has been assigned by the Radio Control Office, and is DWRF. Contrary to my notations to Bob Mitchell's report in DXWW-II.10 last week, the transmitter is manufactured by Mission Engineering of Cedar Rapids, Iowa. It consists of two, 125 kW halves combined for 250 kW. DWRF will utilize a six-tower array for a north beam into China and a west beam into S.E. Asia. The program schedule, not yet firmed up, will be evening and early morning. While the plan calls for 1470 kHz, I believe that 1600 kHz will ultimately be used, because of likely adjacent-channel interference from Sabah-1475, Vladivostok-1475, and BED7-1460. Hammett & Edison, FEBC US' consulting engineers, didn't count with those three stations when recommending 1470 kHz. Another potential channel, 1590 kHz, was ruled out due to potential adjacent-channel interference from VFA-1580. Contrary to VOA's mispractice, this will be designated as Iba, Zambales. VOA's two transmitter sites at San Fernando, La Union and Capas, Tarlac (both on the map) are designated as Poro and Pinang (neither on the map), very minor political subdivisions of San Fernando and Capas, respectively (rather like identifying WNDE-1260 as "Lawrence Township, Indiana" (ed.))

- The Contents of the 3rd IRCA FOREIGN LOG...
- * All reports sent to "DX Worldwide" for the 1973-74 season
- * Geomagnetic indices for the 1973-74 season
- * The IRCA Spanish, French, and Portuguese Report Forms
- * A Season of Tape Reporting-- Angel Garcia
- * Report from the Philippines-- Charles Taylor
- * Domestic "Foreign" stations reported in the past year

All this for only \$3.50 postpaid. You can get a complete set of all three volumes of the Foreign Log for only \$6.75, or the combination of Volumes 2 and 3 for \$5.25. These Logs have proved to be invaluable to the serious foreign DXers, since they list such useful hints as times heard, slogans, interference, and program details.

IRCA
12536 Arabian Way
Poway, CA 92064

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- _____ Combination offer, all three volumes, \$6.75.
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Make all checks and money orders payable to "IRCA". Please do not send cash through the mail.

NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

TAI WAN: Broadcast Corporation of China (BCC) has always been somewhat "shy" about its relationship with BED76-600, BED2-750, BED96-900, BED62-1000, BED97-1100, and BED50-1200—sometimes denying a relationship, sometimes admitting, and puzzling us "taiwanologists" Well, according to brother Lars Rydén of Jarfalla, Sweden, those stations which call themselves Zhōngyāng Guǎngbō Diǎntái are part of a distinct organization which is, of course... Zhōngyāng Guǎngbō Diǎntái (Central Broadcasting Station)! ZGD (or GBS, in English), at 7 Lin Sen North Road with Ching Lan-hsu as director, appears to be completely distinct from BCC. It also appears that the slogan (or name), Voice of Free China, is shared by the two organizations for non-Sino foreign broadcasts. *Rats - why didn't I think of that? 73 del CAT*

ANARC ALMANAC

Executive Secretary: David Browne, 557 N. Madison Ave., Pasadena, CA 91101. IRCA Representatives: Rick Evans, Father Jack Pejza, John Zondlo.

Two new clubs have been admitted to full ANARC membership: Radio USA (formerly Radio California USA), and SWL International. Radio USA's new editor is Mike Femyer, 1602 West Pierson, #23, Phoenix, AZ 85015. SWL International's address is 4375 De Lorimier Ave., Montreal, Que., Canada H2H 2B3.

Convention bids for the 1975 ANARC Convention are due January 4. SWL International has submitted a bid for Montreal; a bid for Denver will be forthcoming, and a site in the midwest might be forthcoming.

ANARC committees are in high gear. the Frequency Recommendation Committee has done some work in recommending alternate frequencies to SWBC stations. The Public Relations Committee is revising and upgrading its list of ANARC member clubs. A copy of the list will be available after the 1st of January from the Executive Secretary. Send a self-addressed stamped envelope (large size) for a copy.

The ANARC "Man of the Year" Committee will call for nominations in January and February, with ballots being sent out in April. Send your nominations for the person who did most for DXing in 1974 to Gene Moser, 6805 Woodland Court, Coloma, MI 49038.

Several changes in the constitution and bylaws of ANARC have been approved by the club representatives. Now, member clubs must be in continuous operation for at least 12 months before applying for admission. Associate memberships will be available to clubs of 50 or more members which have been in operation for over six months. The Executive Secretary must be a member of an ANARC Club.

Several sample designs for logos for ANARC have been sent back to the artist for revision, as there was no general agreement. All proposed designs for ANARC Logo should be sent to Steve d'Adolf, 9390 Viscount Blvd. Apt. 244, El Paso, TX 79925.

ANARC is an association of nine regular clubs and eight affiliate clubs. The ANARC newsletter is published monthly and is sent to all club officers and representatives free. Others who wish to subscribe can do so for \$2.50 a year.

AdVisor

 EDITOR: ALBERT S. LOBEL PHONE ADS ACCEPTED AT:
 247 N. FIRST STREET, APT. 27 (714) 440-2544 PREPAID
 EL CAJON, CA USA 92021 1900 - 2115 PST ONLY!

Anyone having items for sale or trade is invited to send the info. to me for publication in this column. Please be sure to state the nature of the items for sale or trade, the price and condition of the items. Also, be sure to include your complete mailing address (INCLUDING ZIP CODE). Your phone number may appear; be sure you include your area code. All items should be of a DX nature. Include a SASE if a reply is expected from your editor! PLEASE DOUBLE SPACE ALL ADS & TYPE IF POSSIBLE. USE 8 1/2 X 11 PAPER. NO COLLECT CALLS.

 COMMENTS:

As previously stated the rules for reporting to the Ad-Visor have been printed above since this is the first issue of January. The rules will appear again with the first issue of June.

Hope all of you had a very good holiday season. May all your New Years Resolutions stick and your wishes for the New Year come true!

73's and good DX in 75,

Albert

WANTED:

Instruction manuals and/or schematics for the following:
 Heath HD-11 & QF-1 Q multipliers, LM-14 Navy surplus freq. meter, General Electric AS-1B aircraft transmitter/receiver. (RP)

CONTRIBUTOR: (just one this time, folks!)

(RP) Bruce Portzer, 14056 - 5th Avenue South, Seattle WA USA 98168.



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International Radio Club of America
 12536 Arabian Way, Poway, CA 92064

THE INTERNATIONAL RADIO CLUB OF AMERICA--a non-profit club devoted to listening to distant radio stations on the broadcast band (525-1610 kHz). IRCA is a member of ANARC, the Association of North American Radio Clubs, dedicated to promotion of cooperation between the DX radio clubs of North America.

IRCA OFFICERS: President: Richard C. Evans, Box 392, New Buffalo, MI 49117 (616-469-3866). Secretary-Treasurer: Carl Dabelstein, 3300 N. 56th St., Lincoln, NE 68507. Board of Directors: Father Jack Pejza (Chairman), Bob Foxworth, Nancy Hardy, Percy Kesteven, Ed Krejny, Bill Nittler, John Zondlo.

IRCA publishes the IRCA Foreign Logs, listing over 1500 foreign stations heard on the broadcast band from North America. Volume 1, \$2.00; Volume 2, \$2.75, Volume 3, \$3.50. Combination of all three volumes, \$6.75; Volumes 2 and 3, \$5.25.

IRCA has an extensive list of reprints of articles and features which have appeared in DX Monitor in past years. Send a self-addressed stamped envelope for a copy of the list.

Membership dues in IRCA: \$2.00 a year. IRCA stationery: 70 sheets for \$2.00, 100 sheets for \$2.75. Rubber stamps of club emblem, \$3.00 postpaid.

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