

SHORT WAVE STATIONS LOG FOR RADIO GUIDE READERS

ARE YOU one of those restless souls who are discontent with that "scenery" available on the present radio roadways? Have you become a Byrd or a Livingstone of the air and, like those venturesome heroes, probed lesser known channels of the ether?

Of late there has been a marked trend on the part of "broadcast listeners" (as differentiated from scientists, radio amateurs or "hams," and technicians) to tune in the mystic and romantic byways known as *short waves*.

Across the continent comes the hue and cry of "short waves"! And in response to the needs growing out of this furore, RADIO GUIDE has prepared a log of the world's short wave stations.

A copy of this log will be forwarded, free of charge, to any one who sends in a request therefor accompanied by a stamped, self-addressed envelope.

What is it that catches the fancy of the many broadcast listeners who have acquired short wave receiving sets, or one of the many new model radio receivers designed to tune in both the broadcast frequencies and the high frequencies? The answer to that question probably lies in one of three services available to the listener, or in all three of them. They are (1)

rebroadcasts from foreign countries, (2) police broadcasts, and (3) airport communications between airports and "ships" of the air.

Unlike listeners' broadcasts, some frequencies among the short waves cover greater distance during the day than during the night. And short waves have their peculiarities of other sorts.

For example, nearly all of the short waves are subject to "skip distances." The short waves shoot into the sky and are reflected back to the earth at some distance from the transmitter. Between the transmitter itself and the concentric circle where the waves return to earth, these waves cannot be tuned in. The waves just aren't there!

Another peculiarity is the "horizon" effect of ultra short waves, or ultra high frequencies, if you prefer. It occurs when the impulse is transmitted on a frequency of 60,000,000 or more (wave length of 5 meters or less). The horizon effect simply means that such waves seem to travel only as far as the horizon—the same horizon that is the limit of spy or field glass vision. These waves are *not* reflected by the sky's "ceiling" (heavieside layer). They behave entirely differently from ordinary short waves.

This behavior will be an advantage, some radio engineers claim, in the practical application of television. Others see the possibility of every hamlet having its individual broadcasting or television station.

And still others, with advanced ideas, believe that the next score of years will bring individual ultra short wave radio telephones into wide use. There is room in the ultra high frequency band, they point out, for nearly thirty million ten-kilocycle ether channels, or "telephone numbers," between 1 meter and 1 millimeter.

for several years. Also her attractive face and figure were used in Columbia's Television experiments—with ample justification. She also is singer, actress, composer, poetess and writer of short stories

And the number is *infinite* if waves are developed shorter than that!

Virtually every civilized country is employing short waves or high frequencies for the purpose of broadcasting propaganda, entertainment and service features. The arm-chair globe trotter demands receivers with which he may achieve his ambition.

Several years ago the discovery of all this began. Radio set makers, anxious to fill the needs of customers, began producing short wave receiving sets so simplified as to make them convenient for everyone to use. Several manufacturers even brought out combination receivers with which a listener might take his choice at will of the usual broadcasts or the high frequency broadcasts. But the original sets were not, as the makers had hoped, satisfactory. There were two obstacles: The first, that dealers, in selling the sets, made the performance claims entirely too optimistic; and the second, the tuning of high frequency is an adroit art which, even with improved receivers, was too tricky for the average listener.

Now that these obstacles have been minimized, you must not overlook the opportunity to get a short wave log of stations all over the globe. RADIO GUIDE will be glad to supply you with one of these logs, if you will send a self-addressed, stamped envelope with your request. Address: Short Wave Log Editor, in care of RADIO GUIDE, 423 Plymouth Court, Chicago, Illinois.

**WARNING: DON'T LOSE
A TRAILS' PRIZE BY
BUYING A SOLUTION
SEE LAST PAGE**

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DECADE OF MIRACLES IN SHORT WAVE FIELD

COMMANDER E. F. McDONALD, Jr., claims to be the first man to put upon the market for the public's general use, a long and shortwave receiving set. He fixes the year as 1925!

Experimentation in those early days of short-wave broadcasting, took him into strange territory and on devious missions. Says the Commander:

"We have been working with short wave since 1923. In that year we recognized the need for tests made at great distance, and in unusual circumstances. In an attempt to fulfil this need, we persuaded the well-known Arctic Explorer, Donald B. MacMillan, to conduct an expedition into the far North. We equipped the Arctic Schooner *Bowdoin* for the trip. In June of 1923 MacMillan sailed.

"Immediately upon his return in September of 1924, MacMillan started making plans for another expedition into the Arctic, in 1925.

"While these plans were in preparation, I persuaded Admiral Ridley MacLean, who was then Director of Naval Communications, to commission a young amateur short-wave man. The object was to take this young man on the cruise of the Fleet to the Pacific, so that he could use his short-wave apparatus to demonstrate to the Navy what could be done with short wave. We selected Fred Schnell for the task; and he shipped with the Fleet, aboard the U. S. S. *Seattle*, as a Lieutenant.

"With the Fleet on its cruise, work progressed on fitting out MacMillan's second expedition. He was to take two ships this trip, the *Bowdoin* and the S. S. *Peary*. We built special transmitting and receiving short-wave apparatus for both ships. Commander MacMillan did me the honor of placing me in command of the *Peary*. We sailed in June, 1925.

"Our apparatus on both ships was now capable of going down to fifteen meters.

"On arriving at Etah, seventy-eight degrees, thirty minutes North Latitude, within eleven degrees of the North Pole, we set up and maintained constant communication with the rest of the world. This is significant, considering that we were living and working in twenty-four hours of daylight.

"On August 5, 1925, while we were in Etah, we established two-way communication with Lieutenant Schnell. He was then on the *Seattle*, off the coast of Tasmania—within a few miles of being halfway around the world from us!

"While we were in twenty-four hours of daylight, we found that communications with other points of the globe that were also in daylight, came through best at 17 meters. During the period of our continued daylight, when the point with which we were communicating was in darkness, we found wave lengths from 38 to 55 meters to be most efficient.

"The results obtained with short-wave communication on this Arctic trip convinced us that the time had come to convert our experiments into practical use. I sent a radiogram from the Arctic, therefore, authorizing the building of short-wave sets for general distribution. This was the first to be placed on the market.

"Now the public can get a universal set which goes from 600 meters to 10 meters. That far have we progressed!"

For those of its readers who wish further detailed contact with short-wave broadcasting, RADIO GUIDE has prepared a log of the short-wave stations of the world. This log will be sent, free of charge, to any one who requests one. Send a stamped, self-addressed envelope for your log. All requests should be addressed: Short Wave Log Editor, in care of RADIO GUIDE, 423 Plymouth Court, Chicago, Illinois.

SHORT WAVE STUDIOS FOR HIGHWAY CHASES

ALMOST any day now, you may read the first announcement of a series of startling broadcasts. Perhaps the roaring of a river-flood, the thunder of a mountain avalanche or the crackling of forest-fires will soon be heard in your living-room! For NBC's new mobile unit—a studio-on-wheels—is just about complete, ready to "go places" for you.

Since there are mountains of outdoor entertainment which will not come to Mohammed Radio, radio must go to the mountains, the sea-shore and the river-valley to pick them up and relay them into your home. To do this with the latest available, short-wave equipment, NBC is rushing construction on a five-ton car, capable of going 70 miles an hour, and containing four separate transmitters.

Final tests of the equipment are now being conducted at Bound Brook, N. J., home of the NBC-WJZ transmitter, and soon this huge rolling radio plant will be flashing programs to the networks. It is one of the most significant developments in NBC's swiftly expanding short-wave activities.

The main transmitter installed in this cruising program-chaser, will have a range of 100 miles when stationary and 50 miles when in motion. This will enable NBC to originate programs in even the most out-of-the-way places. These will then be transmitted to civilization's outposts, by means of a power of 150 watts, and on any desired frequency from 61.2 to 195 meters.

Perhaps the most interesting single feature of this new creature of the radio world, is its "feeler." This is a pack-transmitter, and it is easy to realize how important this equipment is.

Suppose, for instance, that NBC wants to broadcast the roar of a forest fire. Obviously, a five-ton car cannot be driven into the forest primeval. But a man with a portable transmitter packed on his back can climb over trees, wade through streams, even pull himself up mountains. And when he reaches his destination—he can broadcast.

Of course, you will not hear, directly, the voice of

the dare-devil announcer who will speak to you from the end of this "feeler." He will broadcast to the studio-on-wheels; from there, his voice will be relayed to the networks by means of radio and wires, and finally, from the network, it will find its way into your loudspeaker. And the whole process will take less than one second!

Imagine an automobile with FOUR broadcasting stations riding around on its back! That's what this new program-chaser will be. Its equipment will include WMEF, a transmitter licensed for two frequencies in the intermediate wave band; W10XS, assigned five frequencies in the ultra-high band; W10XV, a 15-watt emergency unit, and 10XA1, the 1-watt transmitter.

It takes a lot of power to run four radio stations, and all this power has to be generated right in the car. The power plant for the WMEF transmitter and the W10XS transmitter consists of a 2500-watt, 220-volt, three-phase alternating current generator driven by a two-cylinder gasoline engine.

The receiving equipment consists of two eight-tube superheterodyne sets operating between fifteen and 600 meters, two ultra-high frequency super-regenerative sets operating between three-and-a-half and fifteen meters, and an auto-type receiver for the broadcast band. All this equipment, transmitters, receivers and power plant, is housed in the main body of the car. The "studio" portion of the mobile unit is in the driver's section.

This "studio"—or seat—is wide enough to hold four persons in comfort. Out of the dashboard, on the side opposite the driver, there unfolds a desk. This holds a microphone and typewriter. To let announcers prowl around the car while broadcasting, microphones all have long leads, 100 feet in length. And through a trap door in the roof an announcer may stick his head, turtle-wise, to survey and describe the surrounding country.

Improvements in short-wave transmitting are having tremendous effect in popularizing American broadcasts and in spreading the English language. By using the international shortwave lanes, NBC is making programs available to those owning sets in Australia, New

Zealand, Africa and other distant points.

Perhaps you would like to investigate further into the possibilities of short-wave reception. Radio Guide has prepared a log of all the principle short-wave stations in the world. This is yours for the asking, free of charge. Send a self-addressed, stamped envelope to Short Wave Log Editor, in care of Radio Guide, 423 Plymouth Court, Chicago, Illinois.



By "Myrt" of "Myrt and Marge"

I LOVE my radio work—I love my audiences—AND I love my Welsh Rarebit! Any hour of the day or night I'll take rarebit. What? You don't see how I do it? Then you don't know my recipe.

It's concocted on the "pinch of this" and "dash of that" plan. At any rate, here it is:

1 1-2 pounds of "snappy" American cheese
Dash of mustard (about 1-2 teaspoonful)
Worcestershire sauce to taste (about 2 tablespoonful)

Dash of Cayenne pepper
1-4 teaspoonful salt
1 cup of beer or ale

Dice the cheese and melt it. Mix all other ingredients, and add the mixture to the melted cheese. Let simmer for three to five minutes and serve immediately on hot toast.

There! And I'll guarantee one thing in addition to its delectable quality: It won't bounce!

SHORT WAVE TO LAUNCH FAIR

THOSE of you who stay up late at night eavesdropping on the world, have discovered that the range of entertainment is increasingly wider. Short wave broadcasting from abroad is no longer in the experimental stage, although the quality of entertainment still is far below that offered by American broadcasters on the conventional channels. Volume is better and, under favorable atmospheric conditions, there is no futile groping for important key words in any spoken thought.

Searchers for new ideas in short wave programs have in prospect the novelty broadcast to Chicago from the Antarctic 10,000 miles away.

Rear Admiral Richard E. Byrd, sitting in his lonely ice-bound hut in Little America, will on May 26, press a key to send radio impulses to Chicago to touch off a fireworks display and thus officially open the new World's Fair.

This broadcast will be heard between 10 p. m. and 1:30 a. m. EDT, and will be the last of the Saturday night programs over a CBS-WABC network. The program shifts to a Wednesday spot, starting May 30.

The Byrd short wave station, KFZ, has been heard regularly, broadcasting on frequencies between 18 and 50 meters, although communications between Little America and CBS usually can be tuned in at 21.30 and 31.75 meters. Tests are usually carried on between 7 p. m. and 11 p. m. on the day of the broadcasts in the conventional channels.

Signals from European stations are spanning the Atlantic with ease these days, and the chimes from Big Ben in London will be heard again soon from London. While Big Ben is being repaired, Big Tom is providing the theme.

Stations of the British Broadcasting Company are heard on several frequencies: GSD on 25.53 meters, from 1:15 a. m. to 3:15 a. m., and GSF and GSB, on

25.53 and 31.55 meters respectively, from 12 noon to 6:30 p. m. EDT.

German stations continue to broadcast nationalism with great volume, morning and night. DJB, 19.75 meters, is on the air from 7:45 to 10:45 a. m., and DJD and DJC, 25.51 and 49.83 meters, 9:00 to 11 p. m. All times are Eastern daylight saving.

Atmospheric conditions have forced the European station owners to jump from one wave length to another frequently. They find that their signals carry best at 25 meters during the early morning. In the afternoons and early evening, the best frequency is the one between 25 and 40 meters, while 40 meters is best for evening reception.

Australia, "way down under," is heard regularly through signals of VK3LR in Melbourne, a new station broadcasting daily, except Sunday, on 31.30 meters from 4:30 to 8:45 a. m. EDT. It is a new station. Other stations in Australia, heard here regularly, are VK2ME (Sydney, broadcasting on 31.28 meters from 2 to 4 a. m., 6 to 10 a. m. and 12:30 to 2:30 p. m.) VK3ME (Melbourne) is on the air Wednesdays and Saturdays on 31.55 meters from 6 to 8 a. m. EDT.

A condensation of the principal short wave relay stations of the world appears on page 34 of this issue.

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On Short Waves

Short wave will range the world for its fans, in the days just ahead. Broadcasts from England—Hawaii—America—the Antarctic—and the stratosphere, will stretch around the globe for those possessing the necessary short-wave equipment to pick them up.

One program will be particularly interesting, because it is to be an electrically transcribed rebroadcast of a ceremony which previously was sent out over the air. This is the presentation of the bell of the British battle cruiser H.M.S. *Canterbury*, to Canterbury Cathedral. The original ceremony was short-waved on Saturday, and the British Broadcasting Company recorded the entire program for re-presentation again early Sunday morning for the short-wave fans who missed the original. It may be heard Sunday morning, June 10, by tuning the BBC stations GSD or GSB from 12:30 to 1:15 a.m. EDT.

The same day—Sunday, June 10—the celebrated band of His Majesty's Welsh Guards will be presented by the BBC at 12:30 p. m. EDT. Only short-wave fans will be able to get the first half-hour of this program—but NBC will pick it up for rebroadcast over long waves from 1 to 1:30 p. m. The band will be conducted by Captain Andrew Harris, the Senior Director of Music, Brigade of Guards. It will play a colorful program including "The Men of Harlech", "Adieu to Dear Cambria" and other Welsh airs, played and sung by the band and soloists. The entire one-hour broadcast will be presented over the BBC stations GSE (25.28 meters) and GSB (31.55 meters). The NBC half-hour pickup will go out over the WEAFF network.

Crossing seas and a continent to Hawaii, the spotlight of short-wave programs focusses next upon the birthday ceremonies of King Kamehameha, who was the greatest of all Hawaiian monarchs. These traditional ceremonies will be relayed to the continent through KGU, Honolulu NBC associate station, and will be rebroadcast over an NBC-WEAFF network on Monday, June 11.

Mass singing of old melodies of the islands by various Hawaiian societies, will be accompanied by the Royal Hawaiian Band. The program will come from the Aliiolani Palace grounds, now the capitol of the territory of Hawaii.

An open-air festival of music will come from Canterbury, England, on Tuesday, June 12, starting at 4 p.m. EDT, over BBC stations GSD and GSB. Each year since 1929 Canterbury has organized such a festival, in which the British Broadcasting Corporation has cooperated by lending its orchestra. This year again, the BBC orchestra is going from London, to play under the direction of Adrian Boult.

From the Antarctic on Wednesday, June 13, the Columbia Broadcasting System again will bring another of its unusual "Little America" broadcasts. The CBS network will pick up the program from the Byrd Expedition and rebroadcast it at 10 p.m. EDT. But short-wave fans can get more of this program by dialing in direct on the Little America station, K1Z (either 24.30 or 31.75 meters) from 7 to 11 p. m. EDT. The fans thus can hear the interesting work of testing, by which the far-southerners discover whether their signals are being received properly in North America.

Short wave is expected to eliminate, this year, the delays hitherto experienced in reporting the Poughkeepsie Regatta, annual intercollegiate rowing carnival. Because the varsity race ends in near-darkness, NBC this year will have an announcer (Continued on Page 36)

WORLD SHORT WAVE TIME TABLE

		(EASTERN DAYLIGHT TIME)		
Meters	Megs	Station	Location	Time
13.92	21.54	WEXK	Pittsburgh, Pa.	7 A.M. to 2 P.M.
13.97	21.47	GSH	England	Daily 7 to 8:30 A.M.
16.87	17.75	W3XAL	Bound Brook, N. J.	Daily 8 A.M. to 2 P.M.
16.88	17.77	PHI	Holland	Monday, Wednesday, Friday, 8:30 to 10:30 A.M.
17.20	17.38	J1AA	Japan	8 to 9 A.M.
19.55	15.35	CT1AA	Portugal	9 to 11 A.M.
19.56	15.34	W2XAD	Schenectady, N. Y.	Monday, Wednesday, Friday, 2:30 to 3:30 P.M. and Sunday 2 to 4 P.M.
19.64	15.27	W2XE	Wayne, N. J.	11 A.M. to 1 P.M.
19.68	15.25	PDNDISE	France	8 to 11 A.M.
19.72	15.21	W8XK	Pittsburgh, Pa.	10 A.M. to 4:15 P.M.
19.73	15.20	DJB	Germany	1:30 to 3:00 A.M. and 7:35 to 10:45 A.M.
19.82	15.13	GSF	England	7 to 8:30 A.M. and 9:40 to 12 Noon
19.84	15.11	HVJ	Vatican City	Daily 6 to 6:35 A.M.; Saturday, 11 to 11:30 A.M.
23.38	12.83	RABAT	Morocco	Sunday 8:30 to 10 P.M.
25.20	11.90	PDNDISE	France	11:15 A.M. to 2:15 P.M. and 3 to 6 P.M.
25.27	11.87	W8XK	Pittsburgh, Pa.	4:30 to 10 P.M.
25.28	11.86	GSE	England	9:45 A.M. to 1:45 P.M.
25.36	11.83	W2XE	Wayne, N. J.	3 to 5 P.M.
25.39	11.81	ZRD	Italy	12:30 to 1:30 P.M. and 2:15 to 7 P.M.
25.51	11.76	DJD	Germany	1:45 to 5:30 P.M. and 10 P.M. to 12:30 A.M.
25.53	11.75	GSD	England	1:15 to 3:15 A.M. and 2 P.M. to 9 P.M.
25.57	11.73	PHI	Holland	Monday, Wednesday, Friday, 8:30 to 10:30 A.M.; Saturday, Sunday, 8:30 to 11 A.M.
25.60	11.72	VE9JR	Winnipeg, Canada	Daily 7 to 11:30 P.M.
25.63	11.71	PDNDISE	France	3 P.M. to 12 Midnight
30.40	9.87	CAQ	Spain	Daily 6:15 to 8 P.M.; Sat., 2 to 4 P.M.
31.00	9.67	T14NRH	Costa Rica	Heard in the evenings
31.25	9.60	XETE	Mexico	9 to 11 P.M.
31.25	9.60	CT1AA	Portugal	Tuesday, Friday, 5:30 to 8 P.M.
31.27	9.59	HBL	Switzerland	Saturdays 6:30 to 7:15 P.M.
31.28	9.59	W3XAU	Philadelphia, Pa.	12 Noon to 6 P.M.
31.29	9.58	VK2ME	Australia	Sundays 2 to 4 A.M.; 6 to 10 A.M. and 12:30 to 2:30 P.M.
31.30	9.58	GSC	England	7 to 9 P.M.
31.36	9.57	W1XAZ	Boston, Mass.	7 A.M. to 1 A.M.
31.38	9.57	DJA	Germany	7:45 to 10:45 A.M. and 6 to 8:30 P.M.
31.49	9.53	W2XAF	Schenectady, N. Y.	7:45 to 11 P.M.
31.55	9.51	VK3ME	Australia	Wednesday, 6 to 7:30 A.M. and Saturday, 6 to 8 A.M.
31.55	9.51	GGB	England	1:15 to 3:15 A.M.; 12 Noon to 1:45 P.M. and 2 to 6:30 P.M.
31.56	9.50	VV3BC	Venezuela	5:30 to 11 P.M.
32.02	9.37	H25ABH	Colombia	12 Noon to 1 P.M. and 8:30 to 10:30 P.M.
32.89	9.12	CP5	Bolivia	8:30 to 11:30 P.M.
36.65	8.19	PRA3	Brazil	7 to 8:30 P.M.
37.33	8.05	CNR	Africa	Sunday 3:30 to 6 P.M.
38.07	7.88	J1AA	Japan	6 to 8:45 A.M.
38.47	7.80	M8P	Switzerland	Saturday 6:30 to 7:15 P.M.
40.55	7.40	H25ABD	Colombia	8:30 P.M. to 12 Midnight
41.55	7.22	HKE	Colombia	Monday 7 to 8 P.M.; Tuesday, Friday, 9 to 10 P.M.
42.92	6.99	LCL	Norway	12 Noon to 7 P.M.
45.31	6.62	PRADD	Russia	Thursday, 10 P.M. to 12 Midnight
45.38	6.61	REN	Russia	2 to 7 P.M.
46.30	6.48	H25ABD	Colombia	8 to 11 P.M.
46.51	6.45	H25ABB	Colombia	7 to 11 P.M.
46.69	6.43	W3XL	Bound Brook, N. J.	Used for experimental NBC broadcast
46.78	6.15	VV3BC	Venezuela	11:30 A.M. to 2:30 P.M. and 5:30 to 10:30 P.M.
48.86	6.14	WEXK	Pittsburgh, Pa.	4:30 P.M. to 2 A.M.
48.92	6.13	ZGE	Malaya States	Sunday, Tuesday, Friday, 7:40 to 9:40 A.M.
49.00	6.12	JB	Africa	5 to 7 A.M.; 9 to 11:30 A.M. and 12 Noon to 4:30 P.M.
49.02	6.12	PK1WK	Java	6 to 7:30 A.M.
49.02	6.12	W2XE	Wayne, N. J.	6 to 11 P.M.
49.08	6.11	VV1BC	Venezuela	11:30 A.M. to 2 P.M. and 6 to 11 P.M.
49.10	6.11	VE9HX	Halifax, N. S.	9:30 A.M. to 12:30 P.M. and 6 to 11 P.M.
49.18	6.10	W3XAL	Bound Brook, N. J.	Monday, Wednesday, Saturday, 5 P.M. to 1 A.M.
49.18	6.10	W9XF	Chicago, Ill.	4:30 to 8 P.M. and 9:30 P.M. to 2 A.M.
49.22	6.09	VE9GW	Bowmanville, Can.	Monday, Tuesday, Wednesday, 2 to 11 P.M.; Thursday, 3 P.M. to 12 Midnight; Saturday, 7 A.M. to 12 Noon; Sunday, 11 A.M. to 8 P.M.
49.34	6.08	W9XAA	Chicago, Ill.	2 P.M. to 7 P.M. Sundays
49.34	6.08	CP5	Bolivia	8:30 to 11:30 P.M.
49.39	6.07	VV5BM0	Venezuela	6:30 P.M. to 12 Midnight
49.40	6.07	DXY	Vancouver, B. C.	3 to 7:30 P.M.
49.42	6.07	VE9CS	Denmark	Friday, 1:30 to 2:45 A.M.; Sunday, 1 P.M. to 1 A.M.
49.50	6.06	H1X	Santo Domingo	Tuesday and Friday, 9 to 11 P.M.; Sunday, 9:40 to 11:40 A.M. and 3:40 to 5:40 P.M.
49.50	6.05	W3XAU	Philadelphia, Pa.	8 P.M. to 1 A.M.
49.50	6.06	W3XAL	Cincinnati, Ohio	7:30 to 11:30 A.M.; 2:30 to 4:30 P.M. and 7 P.M. to 1 A.M.
49.50	6.06	VQ7LD	Keays Colony	12 Noon to 2 P.M. daily
49.60	6.05	H25AB1	Colombia	9 to 11 P.M.
49.67	6.04	W1XAL	Boston, Mass.	7 to 8 P.M. daily
49.67	6.04	W1XB	Miami, Fla.	Saturdays 7 P.M. to 12 Midnight
49.83	6.02	DJC	Germany	1:50 to 5:30 P.M. and 10 P.M. to 12:30 A.M.
49.83	6.02	MACAD	China	Heard in the mornings
49.96	6.01	VE9DN	Drummondville, Can.	Saturdays, 11:30 P.M. to 2 A.M.
49.96	6.01	COC	Cuba	5 to 7 P.M. and 9 to 11 P.M.
50.00	6.00	RV59	Russia	3 to 7 P.M.
50.08	5.99	VV4BSG	Venezuela	9:30 to 11:30 P.M.
50.25	5.97	H25ABC	Colombia	12 Noon to 1 P.M. and 7 to 10 P.M.
50.26	5.97	HVJ	Vatican City, Italy	Daily, 3 to 3:15 P.M.; Sunday, 6 to 6:30 A.M.
70.65	4.25	RV15	Russia	2 to 10 A.M.
71.00	4.50	HCJB	Ecuador	8:30 to 10:45 P.M. daily except Monday

ON SHORT WAVES

(Continued from Page 6)

on the official float at the finish line. He will be equipped with a short-wave pack transmitter. This information thereby will be available immediately to the press, and to other broadcasters. Short-wave stations will begin their test broadcasts at 3 p. m. EDT and the networks will re-broadcast from 7:15 to 8 p. m.

Both Columbia and NBC will present commentaries on the Wightman Cup matches direct from the center court in Wimbledon, England, on Saturday, June 16. The program will be presented by BBC from 10:30 to 11:45 a. m. EDT, over stations GSF (19.82 meters) and GSB (31.55 meters) and will be picked up by the networks at 10:30 a. m. The com-

mentators will be Colonel R. H. Brand and Captain H. B. T. Wakelam. Recordings of the original broadcast will be made and presented over BBC again at 7 p. m. EDT over their stations GSD (25.53 meters) and GSC (31.30 meters).

The special transmitter aboard the gondola of the stratosphere balloon—in which Major William E. Kepner and Capt. Albert W. Stevens will attempt the heavens early in July—has a power of only one-fifth the strength of an ordinary electric light bulb, yet will carry perhaps 10,000 miles—on account of the heights to which, it is expected, the balloon will travel.

A condensation of the principal short-wave relay stations of the world appears immediately above.

On Short Waves

Unusually rich for short-wave listeners are the days just ahead. Fans of this increasingly popular branch of broadcasting shortly will hear the voice of a European king, a new poem by Rudyard Kipling set to music, a special message from Admiral Byrd, the details of a sham-battle aerial attack on London, a record-breaking broadcast linking the Arctic and the Antarctic, and an address in Paris to be made by a leading American feminist.

The Federal Radio Commission has just assigned the call letters KHLS to the CBS temporary station located in Northwestern Alaska. This transmitter is the northern point of Columbia's attempt to link the Arctic and the Antarctic by short wave. This new transmitter, the most powerful in Alaska, operates on 1,000 watts. It will complete the circuit of 17,000 miles and will carry voices from one end of the earth to the other. The voices are to be transmitted by KHLS, will be picked up by the RCA communications either at Point Reyes, Cal., or Riverhead, L. I., for relay to Little America and simultaneously to the nationwide Columbia network.

Short wavers may pick up the many tests which will be put on before July 11, the expected date of the broadcast.

Another interesting short wave broadcast will be made from the fourmasted schooner *Effie M. Morrissey*, now heading northward. She is equipped with a 100-watt radio-telephone transmitter and has been granted an experimental short-wave license by the Federal Radio Commission. The call letters are W10XDA. Tests will be made this week.

Interesting broadcasts will come from the Old World, and will be available in their entirety only to short-wave fans. Parts of the programs only will be picked up and rebroadcast by the networks.

On Saturday, June 30, there will be an-

other of England's annual military pageants—this time that of the Royal Air Force Display. More than 200 aircraft and 3,000 flyers will take part, and it will be described by the British Broadcasting Company from the Hendon Flying Field, located just outside London. Special maneuvers, including an attack on London by fighting planes and bombers, will feature this spectacle. The city will be "defended" by smoke screens and will be "attacked" by planes in unusual formations, including a massed flight by nine planes chained together by elastic ropes. Exhibitions of synchronized acrobatics will be included. This program will be presented over stations GSG on 16.86 meters and GSF on 19.82 meters at 9 a. m. EST and will be rebroadcast over an NBC-WEAF network.

On Monday the closing scene from the "Pageant of Parliament," the impressive and colorful review of the history of England's governing body, will be presented by BBC over stations GSD on 25.53 meters and GSB on 31.55 meters, at 5 p. m. EST. This program will be picked up by NBC over a WJZ network. It is on this program that a new poem by Kipling will be sung by a chorus of the Royal Choral Society—having been set to music by the well-known composer, Roger Quilter. Leslie Bridgewater will direct the orchestra.

On Wednesday, July 4, King Christian X of Denmark will be heard in a special program celebrating the 25th annual Danish American day in Copenhagen. Ruth Bryan Owen, American Minister to Denmark, will translate the speeches of the King and of Thomas Stauning, Danish Prime Minister. The huge audience of 40,000 people in the great park of the Danish Capitol will sing their own and the American national anthems, and Lauritz Melchior and Frieda Leider, Metropolitan

Opera stars who are vacationing in Copenhagen, will be heard. An outstanding feature will be the dedication of a log cabin built of timbers sent by Danes from each of the 48 states in America.

This day was inaugurated 25 years ago by the Danish King, and the broadcast of this anniversary program on America's Independence Day will be given under the auspices of the Raebild National Park Board of Copenhagen. The ceremonies also will include the presentation of a large American flag to the Board by Mrs. Owen, for display in the park among the flags of many other nations.

The program will be presented at 9 a. m. EST over station OXY which operates on 19.60, 31.50 and 49.40 meters, and will be picked up by NBC-WJZ.

On Thursday, July 5, a special program to the American people will be presented by the Pontoise station in Paris, France, on 25.20 meters. This broadcast will feature an address by Lena Madelin Phillips, president of the National Council of Women, and will be broadcast from the Sorbonne amphitheater. Miss Phillips, who is attending a congress of feminine leaders from 52 nations, will speak on "The Underlying Principles of Woman's Right to Work." This program will be rebroadcast over a CBS-WABC network at 4 p. m.

On Saturday, June 30, there will be a special broadcast from station KFZ in Little America, at 9 p. m. EST. This will be dedicated to the National Education Association, and will consist of a message from Admiral Byrd. It will be read by Charles Murphy, expedition communications officer. This will be rebroadcast over a CBS-WABC network.

And on Wednesday, July 4, at 9 p. m. EST, the same hookup also will rebroadcast an account of the way the boys in Little America spent Independence Day.

On Short Waves

The stormy Old Man of the Sea, known in short wave circles as Mr. Atmospheric Condition, is raising havoc with the radio moguls. As many as eighteen different wave lengths have been assigned the more prominent short wave stations because of the stormy conditions prevailing over the seas of the world. KFZ, one of these stations—that at Little America—has been accorded eighteen wave lengths in order that the voices may be assured of penetrating through any sort of atmospheric condition. Having so many different frequencies to use, KFZ tests two days before the actual broadcast to see what frequency will send out the most powerful transmission. KFZ can operate on all waves between 45.11 and 13.87 meters.

Little America now is transmitting test programs on Mondays, Tuesdays and Wednesdays. The reception time here varies, the test broadcasts being heard from 7:00 p. m. to about 11:00 p. m. EDT. The hookup used by KFZ is diversified, being sent first to station LSX, Buenos Aires, Argentina, and then by successive steps is sent out again on 28.98 meters; then to the Bell Telephone stations WEL and WEF, Rocky Point, N.

Y., where it is rebroadcast on 33.52 and 31.60 meters. The Columbia Broadcasting System selects the station whose signal is the loudest and sends it out on a national hookup every Wednesday from 10:00 to 10:30 p. m.

Phillips Lord's boat, the Seth Parker, now traveling around the world, also has been assigned eighteen wave lengths. The boat is equipped with short wave transmitting stations KNRA and W10XG. KNRA was caught broadcasting from Kingston, Jamaica, a few weeks ago and used 24.30 and 33.94 meters. W10XG has been heard testing on 86.00, 46.70, 34.68 and 23.30 meters. Also, they have been caught communicating with station LSX in Buenos Aires, Argentina.

Steaming into the icy Arctic waters is the schooner "Morrisey," commanded by Captain Bartlett, who was a member of the Peary North Pole expedition. The "Morrisey" is equipped with short wave transmitting apparatus bearing the call letters W10XDA, and operates on 46.70, 34.68, 23.30, 17.33 and 12.99 meters.

Another in the series of unique short wave broadcasts arranged by the Gulf Refining Company will be heard on Sunday, July 29. The broadcast will take

place in Paris, and will be short waved across the Atlantic and rebroadcast over the NBC-WJZ network at 9:00 p. m. EDT. The Paris short waves will be heard on 25.63 meters. Featured on the broadcast will be Lucienne Boyer, disc-jockey; Gean Sablans, vocalist; Hachem Kahn, Indian singer; the Coloniale Orchestra, and Huard and his Musette Music.

The British Broadcasting Company has completed plans for a program billed as "Twenty Years Ago," which will be presented on Saturday, August 4, from 5:00 to 6:00 p. m. EDT over their stations GSF and GSB. GSF may be heard on 19.82 meters and GSB on 31.55 meters. The program will be a documentary record of the events leading up to the declaration of War on August 4, 1914. The program will be presented from contemporary sources by Professor H. W. Temperley and Laurence Gilliam.

Awaiting favorable atmospheric and weather conditions in the Black Hills of South Dakota is the gondola which plans to ascend into the stratosphere some time this month. The balloon is equipped with an eight-watt transmitter, W10XCW, and has been heard testing on 22.99 meters.

On Short Waves

An unusually diverse and interesting schedule of short wave entertainment is just ahead for fans of this rapidly-growing branch of radio art and science. Music-lovers will enjoy the Bayreuth Music Festival—an Englishman will talk expertly about the American Civil War—David Lloyd George will preside at an ancient Welsh ceremony—the Gulf program will come from Vienna.

The Bayreuth broadcast, coming on Sunday, August 5, will present the first act of Wagner's opera, "Das Rheingold," and it will mark the beginning of the famous "Ring" cycle which will be conducted by Karl Elmendorff, Director of the Munich *Staatsoper*.

The broadcast will be presented from Germany over station DJD on 25.51 meters, and rebroadcast in America over the NBC-WJZ network at 12 noon EDT.

Later in the day—Sunday, August 5—Major Charles F. Atkinson, of the British Broadcasting Company, will speak on the 70th anniversary of the Battle of Mobile Bay. Lest some may think the fact strange that an Englishman should discuss this subject, it should be explained that the Major is one of the world's leading authorities on military history in general, and of the American Civil War in particular. He will speak from London at 6 p. m. EDT, and the program will be presented over the English stations GSE on 19.82 meters and GSB on 31.55 meters, being rebroadcast over the NBC-WJZ network. That ancient and impressive Welsh ceremony of "Chairing of the Bard" will be short waved directly from the annual Gorsedd or assembly, of the Royal Eisteddfod at Neath, Wales.

David Lloyd George, British War Premier, will be the presiding officer of the Eisteddfod for the occasion, and will be heard in a brief address to the successful Bard when the program is presented at 9 a. m. EDT over the English station GSB on 31.55 meters. NBC will rebroadcast a portion of the program at 9 a. m. EDT, and CBS another portion at 4:15 p. m.

On Sunday, August 5, the Gulf Refining Co. will present its regular short wave broadcast from Vienna. Four orchestras of different types and three celebrated

Austrian singers will participate in the typically Viennese musical variety bill, which will be the fourth in the first series of commercially-sponsored broadcasts ever staged in Europe for the American listeners.

Josef Schmidt, called the "Caruso of Austria," will head the list of singers, and will offer a tenor aria.

The musical groups include Josef Holzer's orchestra, a typical Austrian concert unit; the Tautenhayn Quartet, a popular dance band; the Viennese Waltz Girls, a sixteen-string ensemble, and Karl Krall's orchestra, an Austrian version of an American jazz band.

The program will be sent from Austria over the short wave station EATH on 37.03 meters, and rebroadcast over the NBC-WJZ network at 9 p. m. EDT.

Among Next Week's Features:

CHARLIE CHAPLIN
of **RADIO**

Joe Penner's Own Story

*Also Another Thrilling True Radio Mystery
in the Series, "Calling All Cars"*

Hell's Holiday

**And Intimate Stories
of Your Favorites**

On Short Waves

Short wave reception in the next few days will be very poor, according to network engineers. Summer weather and static are the reasons. Hence, few broadcasts will be sent over from Europe for listeners in America.

There will be one unique program of first-rate importance, however; one of exceptional interest. It will be a sports broadcast—but what a broadcast! It will describe the oldest sporting event in the world—the fantastic, annual horse race around the principal square of Siena, Italy.

For almost 600 years this amazing spectacle has been presented once every year.

Before riding, the jockeys go to church—and so do the horses!

After the race, feeling runs even higher. So worked up do the citizens of this ancient town become, that the winner always is given police protection!

The color, action and atmosphere of this strange contest—which thus has power to make men's emotions run the gamut from reverence to hate—will be offered to American radio listeners by Edward Storer, well-known foreign correspondent. Mr. Storer will offer a "blow by blow" description of the race, on Thursday, August 16, from 1:30 to 2 p. m. EDSF. The program will broadcast from Italy over station 12RO, on 25.40 meters, and will be rebroadcast by CBS.

The Byrd broadcasts, as usual, will be sent from Little America on Wednesday at 10 p. m. EDSF, over short wave station KFZ, which operates between 4511 and 13.87 meters.

On Short Waves

Another "first" soon will be achieved by short wave when—some time this fall—intrepid engineers and announcers will descend into the fiery crater of the volcano Vesuvius near Naples, Italy.

The broadcast will be presented over the Italian station 2RO which operates on 25.40 meters.

Many of RADIO GUIDE readers have asked for the correct schedule of the British Broadcasting Company's stations. It is as follows, E.DST: From 1:15 to 3:15 a. m. GSD on 25.53 meters and GSB on 31.55 meters. From 7 to 9:30 a. m. GSH on 13.97 meters and GSG on 16.86 meters. From 9:45 a. m. to 1:45 p. m. GSG on 16.86 meters and GSF on 19.82 meters. From 11:45 a. m. to 1:45 p. m. GSF on 19.82 meters and GSE on 25.29 meters. From 2 p. m. to 6:30 p. m. GSF on 19.82 meters and GSB on 31.55 meters and from 7 to 9 p. m. GSD on 25.53 meters and GSC on 31.30 meters.

On Short Waves

Christian and Jewish religious music, and stirring stories of the sea, will be brought to short-wave listeners during the days just ahead.

The annual Three Choirs Festival, featuring the Mozart Requiem Mass, will be broadcast from the ancient cathedral in Gloucester, England. This is one of England's oldest annual religious ceremonies. It has been held alternately at Gloucester, Worcester and Hereford almost continuously since 1724. Now it will be presented on Tuesday, September 4, at 4 p. m. EDT, over stations GSD on 25.53 meters and GSB on 31.55 meters—also over the Columbia network.

The mass will be sung by the combined cathedral choirs of Worcester, Hereford and Gloucester, comprising 350 voices. The soloists will include Isobel Baillie, Mary James, Trefor Jones and Keith Kalkner, accompanied by the London Symphony Orchestra, conducted by Doctor Percy Hull, organist of Hereford Cathedral.

To obtain a copy of the government's complete, up-to-the-minute short wave log, "Short Wave Radiophone Transmitters of the World," send 25 cents in coin or money order, to the Radio Division, Department of Commerce, Washington, D. C.

On September 8 the noted choir of the Grande Synagogue in Warsaw, Poland, will send a special international program for American listeners. This will be the first ever broadcast to this country from abroad by a synagogue choir. Coming two days before the observance of Rosh Hashana at the beginning of the month of Tishri, it will reflect the mood and spirit of the religious occasion. The program will be heard here at 6:45 p. m. EDT over the Polish station SR1 on 31.35 meters and will be rebroadcast over the NBC-WJAF network.

Starting Monday, September 3, and continuing every Monday afterward, special broadcasts will be presented from the schooner "Seth Parker." These will consist of songs and sea chanties by Phillips Lord and the crew, who also will dramatize tales of their adventures. At present the boat is in the Perlas Islands, Panama Bay—and it broadcasts over short wave station KNRA, on 48.70, 24.30 and 31.22 meters. NBC-WJZ will rebroadcast the Monday programs at 8:45 p. m. EDT.

On Short Waves

Owners of short-wave receiving sets will be able to tune in direct on CBS's "inside" signals and directions during the yacht races off Newport, R. I., for the famed America Cup.

On Monday, September 10, NBC will again present one of its new broadcasts from the "Seth Parker." This will be sent by short-wave, and rebroadcast over the NBC-WJZ network at 8:45 p. m. EDT. Tales of the adventures of the crew and Phillips Lord will be presented, and some songs and sea chanties will be included. The program will come over the Seth Parker station, KNRA, on 48.70, 24.30 and 31.22 meters. At present the "Seth Parker" is located in a harbor of Panama Bay.

On Wednesday, September 12, at 10 p. m. EDT, the regular two-way short-wave broadcasts of the Byrd Expedition will be presented over short-wave station KFZ, in little America, and rebroadcast by Columbia. Short-wave fans may listen to KFZ sending out test broadcasts every Monday, Tuesday and Wednesday between the hours of 7 and 10 p. m. EDT.

Radio Guide has a limited quantity of world short wave logs available which will be sent readers who address this column, enclosing stamped, self-addressed envelope.

On Short Waves

Once again, short-wave broadcasting gives its fans advantages not shared by those whose sets are equipped only with long-wave apparatus. Parts of two of this week's important broadcasts are not being rebroadcast over long waves—and consequently can be heard only by short-wave fans.

One of these broadcasts will be the address from the throne by Wilhelmina, Queen of the Netherlands, at the opening of the Dutch Parliament at The Hague on Tuesday, September 18. This special program will be presented 9:15 a. m. EDT, over station PCM, which operates on 46.63 meters. This program will also be rebroadcast over the NBC-WEAF network—but only, until 10 a. m.

Following the Queen's speech, a summary in English will be given, together with a description of the colorful scene in the historic hall. Special importance is attached to Her Majesty's remarks to her people's representatives at this time, due to unrest in her kingdom reflected from the storm centers of social and political conflict in other parts of Europe.

And every day this week all short-wave listeners will be able to tune in on the "inside" operations of the American Cup Races, which will be sent by short wave to both large networks, between 15 and 40 meters.

On Short Waves

Yodeling in the Alps—the voices of the King and Queen of England—and the sobbing strains of Hawaiian musicians; these will be some of the outposts of short-wave entertainment during the week ahead.

An odd broadcast will be presented from the Jungfrau Tower in the Swiss Alps, 13,600 feet up in the Bernese Range. It will feature Fraulein Gritley Wenger, champion Swiss yodeler; the Bernese Singer Boys, singing folk songs; an interview with a glacier guide, a native Swiss orchestra and a commentator who will give a description of the scenery. This program will be presented over the short-wave station HB9D on 41.50 meters in Switzerland, and rebroadcast over the NBC-WJZ network on Sunday, September 23, at 2 p. m. EDT.

On Wednesday, September 26, the launching of the new Cunard liner "Victoria" and the christening of the ship by

Queen Mary of England will be broadcast with an address by Sir Percy Bates, co-chairman of the Cunard-White Star Line, and with a reply by King George. There will be a running commentary of scene and activities by George Black, BBC announcer. This program will be presented over the English stations GSG on 16.86 meters and GSF on 19.82 meters, and rebroadcast over the NBC-WJZ and Columbia networks at 9:50 a. m. EDT.

For those who cannot tune in this program at such an early hour, the British Broadcasting company will make recordings of the entire proceedings and will present them at 3:25 p. m. EDT over their short-wave stations GSD on 25.53 meters and GSB on 31.55 meters. The recordings will again be presented at 8:05 p. m., and this time they will be presented over stations GSD on 25.53 meters and GSC on 31.30 meters. And the final broadcast of the unusual program will be presented on Thursday morning at 2 a. m. EDT.

On Short Waves

(Shown In Eastern Standard Time)

World attention focuses on South America this coming week, by means of short-wave radio. From that continent will come broadcasts of interest to both religious and worldly-minded people. From Buenos Aires will come the great Catholic International Eucharistic Congress. And from the adventure-colored coast will come stirring stuff from the "Seth Parker", now well launched on her world cruise.

On Wednesday, October 10, short waves from Buenos Aires will broadcast the International Eucharistic Congress, which is meeting in that city. This Congress is one of the most important of Catholic gatherings. The official opening will be rebroadcast over the Columbia and

Theme Songs that "Click"

The fascinating, familiar, yet haunting tune played by Abe Lyman's Orchestra as the theme song for his "Melodiana" programs, is "La Golondrina". It was written by Serradell, a Mexican composer.

Since the compositions of most Mexican and South American musicians never have been properly recorded, and no complete catalogue of their work exists, it is not known exactly when "La Golondrina" was written. However, it was fairly well known in the United States as far back as the turn of the century, when band concerts played it in the village squares and the

National networks and will take place at 9 a. m. EST. The Pope will send a message to the Congress, from the Vatican station HVJ (19.83 meters). It will be picked up by the British Broadcasting stations and sent to America and rebroadcast. It is expected that all the short-wave stations in Buenos Aires will broadcast this event but—the station that is heard best here at this time of the year is LR4-LSX on 28.98 meters.

First to be heard will be the High Mass and official opening of the Congress. Then will follow discourses by the Archbishop of Buenos Aires; an address by the President of the Permanent Committee of Eucharistic Congresses and the Papal Legate; and finally the Benediction and singing of the Congress official hymn.

On Thursday, October 11, at 8 a. m., will begin the Children's meeting, with the High Mass and Communion and religious singing. Then at 4:30 p. m. the first General Assembly will be held, when information will be forthcoming on the results of previous meetings, and arrangements for the days to come.

Friday, October 12, is "Dia de La Raza" (The day of the Latin Race)

Saturday, October 13, is the day of the Virgin Mary, with Mass in the High Altar, and national and international homage to our Lady of Lujan.

On Sunday, October 14, the final broadcast will be made. It will consist of the Benediction from the Pope, which again will be sent to the entire world.

The short-wave stations in Buenos Aires will be on the air every day from 8 a. m. to 11 p. m. during the Congress. The networks will pick up different sections of important happenings throughout the week.

On Monday, October 8, the National Broadcasting Company will present another rebroadcast from the schooner "Seth Parker." This program is short-waved each Monday by station KNRA, located on the "Seth Parker," which operates on 48.70, 24.30 and 31.22 meters. It is then picked up by the NBC-WJZ network. During the past weeks this station has been heard sending out test broadcasts, which are received very well in this country. The schooner is now sailing down the west coast of South America.

A Canadian note of interest reveals that effective October 8, Station VE9GW (6005 kc.) will transmit programs on the following schedule: Sunday, 1 to 9 p. m.; Monday, Tuesday and Wednesday, 3 p. m. to 12 midnight; Thursday, Friday and Saturday, 7 p. m. to midnight.

Famous Network Stars
LUM and ABNER



NOW ON
WLW—7:15 E. S. T.

On Short Waves

From England, Japan, the high seas and the Antarctic, short wave will bring news, opinion and entertainment this week to its fans.

"Causes of War" will be discussed this Friday, October 26 at 5 p. m. EST by LORD BEAVERBROOK, noted English publisher, over the English stations GSB on 31.55 and GSD on 25.53 meters. This program, one in a series of noted speakers organized to combat war, will be rebroadcast by NBC-WEAF.

From Tokio on Friday, October 19, from 7 to 7:15 p. m. EST, come ceremonies on the eve of the opening of the 15th annual conference of the INTERNATIONAL RED CROSS. Rebroadcast by NBC-WEAF, this program will originate on station JVM on 27.93 meters.

SETH PARKER'S sea-chanties will come from the schooner "Seth Parker" on Monday, October 22, at 8:45 p. m. EST. Originating over KNRA on 48.70, 24.30 and 31.22 meters, this program will be rebroadcast over NBC-WJZ.

On Wednesday, October 24, another CBS Byrd Expedition two-way broadcast will be presented over KFZ at 10 p. m. EST.

On Short Waves

Marconi, the father of radio, will begin a new series of program from Italy designed especially for short wave listeners when he speaks Sunday, October 28, from Rome. The program will be known as "American Hours," and is to be re-broadcast by the NBC-WEAF network on regular broadcast bands in this country. Marconi's talk, originating at 2RO, Rome, will be heard at 7 p. m. EST.

With JUDGE JOHN BARTON PAYNE as the principal speaker, an international broadcast linking the capitals of the United States and Japan will be heard over the NBC-WJZ network Monday, November 5, at 6:15 p. m. EST.

Aside from these serious programs, short wave fans will undoubtedly be interested in the test short-wave broadcasts that will be going on in Little America within the next few weeks.

Having transmitted programs from the *S. S. Jacob Ruppert*, flagship of the Byrd Expedition, and from the short-wave transmitter KFZ, located in Little America, the two-way Byrd Antarctic programs will in the near future originate from still another point—the twin-motored Curtiss Condor

plane as it wings its way across the Antarctic ice barriers on trips of exploration.

This plane was equipped especially with a modern 50-watt transmitter for both Morse code and voice apparatus, before the expedition left the United States a year ago. This will enable the occupants of the plane to keep in touch with KFZ during flights of exploration, and attempts will be made to relay the voices from the plane through KFZ to the Columbia network. The regular CBS broadcasts are heard every Wednesday at 10 p. m. EST, and the test broadcasts can be picked up by the short-wave set owners many times a week.

Exploration flight plans now are being completed, according to latest word from Little America, but it cannot be said definitely when the flights and the coincident plane broadcasts will take place. Admiral Byrd, who will take to the air on each of the trips, has announced that probably two flights, in addition to an air journey to the South Pole, will be made. One of these will be to the Weddell Sea, a distance greater than that to the South Pole—and the other to unexplored areas in eastern Antarctica. Harold June, chief aviator, probably will pilot the plane on the flights.

Short Wave Timetable

Meters	Megs	Station	Location	Schedule (Eastern Standard Time)
13.93	21.45	WBXX	Pittsburgh, Pa.	6 A.M. to 2 P.M.
13.97	21.47	GSM	England	Daily 6 to 8:30 A.M.
16.86	17.79	GSG	England	Daily 6 to 8:30 A.M.; 8:45 to 10:45 A.M.
16.87	17.78	W3XAL	Bound Brook, N. J.	9 A.M. to 3 P.M.
16.88	17.77	PHI	Holland	Monday, Thursday, Friday 7:30 to 9:30 A.M.; Saturday and Sunday 7:30 to 11 A.M.
19.56	15.34	W2XAD	Schenectady, N. Y.	Daily 2 to 3 P.M.
19.64	15.27	W2KE	Wayne, N. J.	10 A.M. to 12 Noon
19.68	15.25	PONTOISE	France	7 to 10 A.M.
19.72	15.21	WBXX	Pittsburgh, Pa.	10 A.M. to 4:15 P.M.
19.73	15.20	DJB	Germany	4 to 5:30 A.M.; 8 to 11 A.M.; 12:20 to 2:20 A.M.
19.82	15.13	GSF	England	8:45 A.M. to 12:45 P.M.
19.84	15.11	HVJ	Vatican City	Daily 5 to 5:15 A.M.; Saturday, 10 to 10:30 A.M.
23.38	12.83	CNR	Morocco	Sunday 7:30 to 9 P.M.
24.53	12.23	CTICT	Portugal	Sunday 7 to 9 A.M. and Thursday 4 to 6 P.M.
25.20	11.90	PONTOISE	France	10:15 A.M. to 1:15 P.M. and 2 to 5 P.M.
25.27	11.87	WBXX	Pittsburgh, Pa.	4:30 to 10 P.M.
25.28	11.86	GSE	England	10:45 A.M. to 12:45 P.M.
25.36	11.83	W2XE	Wayne, N. J.	2 to 4 P.M.
25.40	11.81	I2RO	Italy	11:30 A.M. to 12:30 P.M. and 1:15 to 6 P.M.
25.51	11.76	DJD	Germany	5 to 10:30 P.M. and 12:15 to 4 P.M.
25.53	11.75	GSD	England	12:15 to 2:20 A.M.; 1 to 5:35 P.M. and 6 to 8:05 P.M.
25.53	11.75	CJRX	Winnipeg, Canada	Daily 8 P.M. to 12 Mid.
25.63	11.71	PONTOISE	France	2 to 11 P.M.
30.40	9.87	EAQ	Spain	Daily 5:15 to 7 P.M.; Sat. 12 Noon to 2 P.M.; Sat. and Sunday 7 to 7:30 P.M.
31.25	9.60	XETE	Mexico	2 P.M. to 2 A.M.
31.25	9.60	CTIAA	Portugal	Tuesday, Friday 4:30 to 7 P.M.
31.27	9.59	HBL	Switzerland	Saturdays, 5:30 to 6:15 P.M.
31.28	9.59	W3XAU	Philadelphia, Pa.	11 A.M. to 7 P.M.
31.28	9.59	VK2ME	Australia	Sundays 12:30 to 2:30 A.M.; 4:30 to 8:30 A.M.; 9:30 to 11:30 A.M.
31.30	9.58	GSC	England	6 to 8 P.M.
31.31	9.58	VK3LR	Australia	3:15 to 7:30 A.M. daily except Sunday
31.36	9.57	W1XAZ	Boston, Mass.	6 A.M. to 12 Midnight
31.38	9.57	DJA	Germany	4 to 5:30 A.M.; 8 to 11 A.M.; 5 to 8:15 P.M.
31.48	9.53	W2XAF	Schenectady, N. Y.	6:35 to 10 P.M.
31.55	9.51	VK3ME	Australia	Wednesday, 5 to 6:30 A.M.; Saturday, 5 to 7 A.M.
31.55	9.51	GSB	England	12:15 to 2:20 A.M.; 1 to 5:35 P.M.
32.02	9.37	HP5ABM	Colombia	7:30 to 9:30 P.M.; 11 to 12 Mid.
36.65	8.19	PSK	Brazil	7 to 7:30 P.M.
37.33	8.05	CNR	Morocco	Sunday 2:30 to 5 P.M.
38.07	7.95	J1AA	Japan	4:50 to 7:50 A.M.
38.47	7.89	HBP	Switzerland	Saturday, 5:30 to 6:15 P.M.
40.55	7.40	HJ3ABD	Colombia	7:30 to 12 Mid.
41.55	7.22	HKE	Colombia	Monday, 6 to 7 P.M.; Tuesday, Friday, 8 to 9 P.M.
42.86	7.00	HJ1ABE	Colombia	Monday 10 to 11 P.M.; Wednesday 8 to 10 P.M.; Sunday 9 to 11 A.M.
45.00	6.67	H2RL	Ecuador	Sunday 5:45 to 7:45 P.M.; Tues. 9:15 to 11:15 P.M.
45.31	6.62	PRADO	Ecuador	Thursday 9 to 11:30 P.M.
46.30	6.48	HJ5ABD	Colombia	7 to 10 P.M.
46.51	6.45	HJ1ABB	Colombia	7 to 10 P.M.; 11:45 A.M. to 12:45 P.M.
46.69	6.43	W3XL	Bound Brook, N. J.	Used for experimental NBC broadcasts
47.50	6.32	H1Z	Dominican Republic	4:40 to 5:40 P.M.; Saturday 9:40 to 11:40 P.M.; Sunday 11:40 A.M. to 1:40 P.M.
47.84	6.27	H1TA	Dominican Republic	11:40 A.M. to 1:40 P.M. and 7:40 to 9:40 P.M.
48.00	6.25	HJ3ADF	Colombia	7 to 11 P.M.
48.78	6.15	VY3RC	Venezuela	10:30 A.M. to 1:30 P.M. and 4:30 to 10 P.M.
48.86	6.14	WBXX	Pittsburgh, Pa.	4:30 P.M. to 1 A.M.
48.92	6.13	ZGE	Malaya States	Daily 8 to 10 A.M.
49.00	6.12	JB	Africa	4 to 6 A.M.; 8 to 10:30 A.M. and 11 A.M. to 3:30 P.M.
49.02	6.12	W2XE	Wayne, N. J.	5 to 10 P.M.
49.08	6.11	VY2RC	Venezuela	10:30 A.M. to 1 P.M. and 5:15 to 10 P.M.
49.08	6.03	XEBT	Mexico	7 P.M. to 2 A.M.
49.10	6.11	VE9HX	Halifax, N. S.	8:30 to 11:30 A.M. and 5 to 10 P.M.
49.10	6.11	VUC	India	9:30 A.M. to 12 noon and Saturday 11:45 P.M. to 3 A.M.
49.18	6.10	W3XAL	Bound Brook, N. J.	Tues., Thurs., Fri. and Sunday 2:30 P.M. to 12 Mid.
49.18	6.10	W9XF	Chicago, Ill.	3:30 to 7:30 P.M. and 8:30 P.M. to 1:30 A.M.; Tues., Thurs., Fri. and Sunday 2:30 P.M. to 12 Mid.
49.20	6.10	HJ1ABD	Colombia	11:30 A.M. to 12:30 P.M. and 7 to 9 P.M.
49.22	6.09	VE9GW	Bowmanville, Can.	Thursday, Friday and Saturday 7 A.M. to 4 P.M.; Sunday 10 A.M. to 7 P.M.
49.34	6.08	VY9XAA	Chicago, Ill.	Tues., Thurs. and Saturday 3 to 11 P.M.
49.34	6.08	CPS	Bolivia	7 to 10:30 P.M.
49.40	6.07	OXY	Denmark	2 to 6:30 P.M.
49.40	6.07	XEUT	Mexico	7 P.M. to 1 A.M.
49.42	6.07	VE9CS	Vancouver, B. C.	Friday 12:30 to 1:45 A.M.; Sunday, 12 Noon to 12 Midnight
49.50	6.06	H1X	Dominican Republic	Tuesday and Friday 8:10 to 10:10 P.M.; Sunday 8:40 to 10:40 A.M. and 2:40 to 4:40 P.M.
49.50	6.06	W3XAU	Philadelphia, Pa.	7 to 10 P.M.
49.50	6.06	W3XAL	Cincinnati, Ohio	6:30 to 7 P.M.; 10 P.M. to 2 A.M.
49.50	6.06	VO7LO	Kenya Colony	11 A.M. to 2 P.M. daily
49.60	6.05	HJ3AB1	Colombia	8 to 10 P.M.
49.67	6.04	W1XAL	Boston, Mass.	6 to 7 P.M. daily
49.83	6.02	DJC	Germany	8:45 to 10:30 P.M.; 12:15 to 4 P.M.
49.95	6.01	VE9DN	Desermondville, Can.	Saturday 11:30 P.M. to 2 A.M.
50.00	6.00	EAJZ	Spain	3:30 to 4:30 P.M.
50.00	6.00	RV59	Russia	Daily 2 to 6 P.M.
50.08	5.99	VY4RC	Venezuela	4:30 to 10:30 P.M.
50.25	5.97	HJ2ABC	Colombia	11 A.M. to 12 Noon and 6 to 9 P.M.
50.26	5.97	HVJ	Vatican City, Italy	Daily, 2 to 2:15 P.M.; Sunday, 5 to 5:30 A.M.
50.42	5.95	HJ4ABE	Colombia	Monday 7 to 11 P.M.; Tuesday, Thursday and Saturday 6:30 P.M.; Wed. and Friday 7:30 to 10:30 P.M.
51.49	5.88	HJ2ABA	Colombia	1 to 2 and 7:30 to 10 P.M.
51.49	4.32	G5RX	England	7 to 10 P.M.
51.49	4.00	HCJB	Ecuador	7:30 to 9:45 P.M. daily except Monday

On Short Waves

Time Shown Is Eastern Standard

One of America's most popular programs, the General Foods show, starring JACK BENNY, will be made available to listeners in other countries when it is released on short wave Sunday, November 4.

The short wave pickup, intended for re-broadcast by Station KGU, in Honolulu, will be on the air at 11:30 p. m. EST, or 6 p. m. Hawaiian time. At this hour it is broadcast from New York City for Pacific Coast stations also. It will go by land wires to San Francisco, where RCA communications are to relay it for KGU pickup.

SOVIET RADIO again cooperates with America when a program of symphonic music is transmitted from the U. S. S. R. on the Russian station RV59, 50.00 meters, and rebroadcast over the NBC-WEAF network at 9:30 a. m. EST Sunday, November 4. The symphony orchestra of All Union Radio Committee will play original works of Trans-Caucasian composers. EUGENE MIKELADZE, chief conductor of the Tiflis State Opera House, will direct.

ORIGINAL AND RECORDED broad-

casts of Ramsey MacDonald's review of Great Britain's national policy, Friday, November 9, will carry the talk to every country in the world. The actual speech made at the Lord Mayor's annual banquet, will be picked up in this country by both the Columbia and NBC networks at 3:55 p. m. EST, and will be short-waved over BBC stations GSD on 25.23 meters and GSB, 31.55 meters. Following Mr. MacDonald's address, HOWARD MARSHALL, BBC announcer, is to describe the remainder of the banquet in London. Transcriptions of the program will be BBC features at 2:25 a. m. Saturday, over GSD, 25.23 meters and GSB, 31.55 meters; again at 6:40 a. m. on GSG, 16.86 and GSF, 19.82 meters, and finally, 9:25 a. m., GSF, 19.82 meters and GSE, 25.30 meters.

PROGRAMS DEDICATED to different communities throughout the world are announced by Station VK2ME, Sydney, Australia, for broadcast on 31.28 meters during the next few months. Sunday, November 25, Washington, D. C., will be so honored at 5:15 a. m. EST. On December 9, Honolulu, Alaska, and the Canadian provinces of Ontario, New Brunswick and Nova Scotia will all be feted at three different times.

On Short Waves

Time Shown Is Eastern Standard

Peace on earth" will be the message sent ringing around the world by short wave on Sunday, November 11—the anniversary of Armistice Day, which saw the end of the World War.

Seven nations will participate in this, The Family of Nations, program arranged by the Carnegie Endowment for International Peace in cooperation with the Columbia Broadcasting System. It will commence at 4 p. m. EST.

The first speaker on the program will be Doctor Nicholas Murray Butler, President of Columbia University and the Carnegie Endowment for International Peace, speaking from New York. Sir John Simon, English secretary of foreign affairs, will follow; and then in rapid succession will come the voices of Doctor Eduard Benes, foreign minister of Czechoslovakia and President of the League of Nations, from Prague; Eleutherios Venizelos, venerable soldier, statesman and former premier of Greece, from Rome; the Right Honorable Richard Bennett, Prime Minister of Canada, from Ottawa; Doctor Afranio de Mello Franco, former Minister of Foreign Affairs of Brazil, from Rio de Janeiro; and Prince Tokugawa, former President of the Japanese House of Peers and President of the Japanese Red Cross, from Tokio.

Sir John Simon's address will be short-waved by the British Broadcasting stations GSD on 25.53 meters and GSB on 31.55 meters. The voices of Doctor Benes and of Venizelos will be transmitted from Rome by their short-wave station 2R0 on 25.4 meters, and by telephone lines to London thence out over the English short-wave stations. Mr. Venizelos will make a special trip from Athens to Rome to participate in this program. Doctor Franco's talk will be short-waved from Brazil over station PRAG on 35.50 meters. Prince Tokugawa's address will be sent out by station JIAA on 37.03 meters. Prime Minister Bennett will speak from station CFRB in Toronto, Canada.

Another interesting point in this special short-wave broadcast is the remarkable variations in the time at which the speakers will appear on the program. When it is 4 p. m. in New York it is 9 p. m. in London, 10 p. m. in Rome and Prague, 6 p. m. in Brazil and 6 a. m. the next day (November 12) in Japan.

On Short Waves

With a tune in her teeth and a spanking breeze astern, the schooner *Setb Parker* continues to ride the ocean waves—the voices of her cap'n and crew join the waves of radio. On Monday, November 19, another in the series of short-wave broadcasts will be sent out by Phil Lord and his singing seamen.

During the past few weeks these broadcasts have been based upon readings from the ship's log—telling tales of these radio men and their adventures since they left behind the Pacific coast of the United States, and ventured forth upon the bounding main. With the tale-telling come songs and sea chanties reminiscent of the wave days before steam doomed the clipper ships and other wind-blown boats.

But the *Setb Parker* differs from her sister ships of yore in having a full-fledged radio station aboard—the short-wave station KNRA. Short-wave fans who learn to tune tamely into the NBC-WJZ broadcast on Monday at 8:45 p. m. LS1, can get KNRA direct on 48.70, 24.30 and 31.22 meters. Many such fans have enjoyed tuning in KNRA's test broadcasts, which have been received very well.

It's a far cry from the romantic roving of Phil Lord and his high-seas thespians, to the deadly serious modern romance of the Byrd expedition—but short wave makes the jump. On Wednesday, November 20, the Columbia Broadcasting System will present another of its two-way broadcasts from the Byrd Expedition.

These programs reach America via the short-wave station KFZ in Little America and are easily picked up by short-wave set owners. This station has been heard testing between the hours of 7 and 10 p. m. EST every Monday, Tuesday and Wednesday. The two-way broadcasts that are picked up and rebroadcast by CBS are presented at 10 p. m. EST.

On Friday, November 23, another of the international Causes of War programs will be presented by the National Broadcasting Company and the British Broadcasting Corporation. The speaker will be G. H. Cole, the broadcast at 5 p. m. EST over the English stations GSB on 31.55 meters and GSD on 25.53 meters. It will be rebroadcast over an NBC-WEAF network.

On Short Waves

Would you like to attend the marriage of a king's son and a king's daughter? You can—by radio—on Thursday, November 29, Thanksgiving Day, when Prince George of England and Princess Marina of Greece will be married at West-

minster Abbey. This important event will be broadcast by short wave from England, and rebroadcast by both NBC and CBS.

Howard Marshall, commentator of the British Broadcasting Corporation, will stand outside Westminster Abbey and describe the royal wedding procession as it approaches. The microphone will pick up the ringing of the bells and the cheering of the crowds. Marshall will resume his commentary after the couple leaves the church. A mike stationed inside will carry the actual ceremony.

It is more than eleven years since a child of King George and Queen Mary was married. When all the details have been approved by the King, the supervision of the ceremony will be left to the Lord Chamberlain.

Engrossment of the marriage license will be made at the Archbishop of Canterbury's office. This will be done in old English lettering on a parchment scroll nearly a yard square.

The Archbishop of Canterbury, the Archbishop of York, the Dean of Westminster and the Bishop of London will conduct the ceremony. Since the Princess is a member of the Greek Orthodox Church, the marriage ceremonies of her faith will be celebrated in Buckingham Palace after the Anglican rights.

Tradition and precedent dictate that the wedding be a state occasion; that there be a procession between Buckingham Palace and Westminster Abbey, and breakfast in the palace.

This program will be presented over GSG on 16.86 meters and GSF on 19.82 meters, and rebroadcast over the Columbia and NBC-WJZ networks at 5:45 a. m., EST.

Once again short-wave set owners can have a few more hours of sleep if they are interested in listening to this broadcast, because the BBC will make recordings of the program and present them later in the day. These recordings will be presented at 11 a. m. EST over stations GSE on 25.30 meters, and GSB on 31.55 meters; at 1:15 p. m. over stations GSD on 25.53 meters and GSB on 31.55 meters; at 6 p. m. over stations GSC on 31.32 meters and GSA on 49.59 meters; and finally on Friday at 3:15 a. m. EST over GSD on 25.53 meters and GSB on 31.55 meters.

Thanksgiving Programs

The following hours have arranged special programs commemorating Thanksgiving Day:

Time Is Eastern Standard

Wednesday—Thanksgiving Eve

CBS-WABC 7:30 p.m.—Paul Keast, baritone.
CBS-WABC 9:30 p.m.—Adventures of Gracie.
CBS-WABC 10 p.m.—Byrd Expedition.

Thursday—Thanksgiving Day

NBC-WEAF 7:30 a.m.—Leider Singers.
NBC-WEAF 11:45 a.m.—Thanksgiving Message; Harold L. Ickes, Sec'y of the Interior.
NBC-WEAF 12:30 p.m.—The Harvest Cantata, sung by Gothic Choristers.
NBC-WEAF 3:30 p.m.—Thanksgiving Symphony.
NBC-WEAF 4:30 p.m.—The First Thanksgiving Dinner; Dean Gleason L. Archer, speaker; Boston Chorus.
NBC-WEAF 7:45 p.m.—Russian Symphonic Choir.
NBC-WEAF 8 p.m.—Rudy Vallee's Hour; Don Cosack, Russian male chorus.
NBC-WJZ 7 p.m.—Mexican Typica Orchestra; Special Thanksgiving Songs.
CBS-WABC 10:15 a.m.—Bill and Ginger; Thanksgiving Songs.
ABS-WMCA 4:30 p.m.—Courtship of Miles Standish.
ABS-WMCA 8:15 p.m.—Thanksgiving Cavalcade.

Father Coughlin's Broadcasts

Stations carrying Father Coughlin's broadcast outlets are listed below. His talks go on the air at 4 p. m. EST, 3 p. m. CST, and 2 p. m. MST, every Sunday.

Shrine of the Little Flower Network

WLW, Cincinnati, O.	WOKO, Albany, N.Y.
WCAU, Philadelphia	WFBL, Syracuse, N.Y.
WGR, Buffalo, N. Y.	WOR, New York City
WOL, Wash'ton, D.C.	WGAR, Cleveland, O.
WHIO, Des Moines, Ia.	WJR, Detroit, Mich.
KWK, St. Louis, Mo.	WHB, K. C., Mo.
WCAO, Baltimore, Md.	WJJD, Chicago, Ill.
KSTP, St. Paul, Min.	KYW, Chicago, Ill.
WJAS, Pittsb'gh, Pa.	WOW, Omaha, Nebr.

The Yankee Network

WNAC, Boston, Mass.	WHAS, Springfield, Mass.
WDRC, Hartford, Ct.	WFEA, Manch't'r, N.H.
WEAN, Provid'ce, R.I.	WNBH, N. Bedford, Mass.
WICC, Bridgep't, Con.	WORC, Worcester, Mass.
WLBZ, Bangor, Me.	WLLH, Lowell, Mass.

On Short Waves

Time Shown Is Eastern Standard

One way of keeping track of what the other continents are saying about the United States—and also learning what they are trying to do inside their own boundaries—is by listening in to their short wave world news reviews which are not "setups" for exchange broadcasts by this and other countries.

Set your alarm for 8:30 a. m. and tune in Pontose, France (15,243 megacycles), for the first newscast. Follow at 8:45 a. m. with your choice of GSF, Daventry, England (15.13 meg.), or DJB, Zezen, Germany (15.20 meg.).

All the periods quoted bring broadcasts in English.

Reception Review

FOR PERIOD of November 15-23, as reported by *Charles A. Morrison, International DXers Alliance, Bloomington, Ill.*:

The period under review has been about average with three very poor days when even the best stations failed to show up. In general, GSF, Daventry, England, has been the outstanding signal on 19 meters.

The 25-meter band has improved considerably and GSE, Daventry, England (11.86 meg.), is usually good at the beginning of the 9:15 a. m. transmission. Try for PHH, Hurzen, Holland, on 11.725 meg. at the same time. You'd also better have an ear cocked for RNE, Moscow (12.00 meg.). They have been testing around this time of the morning. RNE may be heard regularly on Sunday mornings, 6 to 7 and 10 to 11 a. m.

The 25-meter band is best in the early afternoon with GSD, Daventry, England (11.75 meg.), the star performer. The 31-meter band is fair in the afternoons with PRF5, Rio de Janeiro (23.00 meg.) reliable from 5:30 to 6:15 p. m.

GSB, Daventry, England (25.10 meg.), is best in the middle of the afternoon. EAQ, Madrid, Spain, the old reliable, is loudest at the beginning of their 3:15-7 p. m. schedule.

The 49-meter band has improved de-

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Short Wave Timetable

Meters	Station	Location	Schedule (Eastern Standard Time)
13.95	21.53	WBXX	Pittsburgh, Pa. 6 A.M. to 2 P.M.
13.97	21.47	GSH	Enfield 10:45 to 1:30 A.M.
16.86	17.79	GSG	Enfield 6 to 8:30 A.M.; 8:45 to 10:45 A.M.
16.87	17.78	WXAL	Bound Brook, N. J. 9 A.M. to 3 P.M.
19.56	15.34	W2XAD	Schenectady, N. Y. 10:45 to 12:45 P.M.
19.64	15.27	W2XE	Wayne, N. J. 10:50 A.M. to 1:30 P.M. Sunday only.
19.67	15.25	WXAL	Boston, Mass. 7:30 to 11 A.M.
19.68	15.24	PONTDISE	France 10 A.M. to 4:15 P.M.
19.72	15.21	WEXK	Pittsburgh, Pa. 8 to 11 A.M.
19.73	15.20	DJB	Germany 6 A.M. to 10:45 P.M.
19.82	15.13	GSE	Enfield 5 to 5:15 A.M.; Saturday, 10 to 10:30 A.M.
19.84	15.12	HVJ	Yanville, City 7 to 9 A.M. irregular
19.95	15.00	RNI	Moscow, U. S. S. R. Sunday 7:30 to 9 A.M.
21.93	13.68	HASZ	Hungary 7 to 9 A.M. Sunday 4 to 6 P.M. Thursday
23.28	12.83	BABAT	Norocco 6 to 7 A.M., 10 to 11 a. m. Sunday 11:15 A.M. to 6 P.M.
24.25	12.02	CTICT	Portugal 11:15 A.M. to 2:15 P.M.; 4 to 6 P.M.
25.00	12.00	RNE	Moscow, U. S. S. R. 4:30 to 10 P.M.
25.20	11.90	PONTDISE	France 2 to 4 P.M.
25.25	11.87	PONTDISE	France 11:30 A.M. to 12:30 P.M. and 1:15 to 6 P.M.
25.27	11.87	WEXK	Pittsburgh, Pa. 11:15 A.M. to 6 P.M.
25.28	11.86	GSE	Enfield 11:30 to 12:30 P.M. and 1:15 to 6 P.M.
25.36	11.83	W2XE	Wayne, N. J. 5:30 to 10:45 P.M.
25.40	11.81	I2RD	Italy 12:15 to 3:45 P.M.
25.51	11.76	DJD	Germany 5:30 to 10:45 P.M.
25.53	11.75	GSD	Enfield 12:15 to 3:45 P.M.
25.57	11.73	PHHUZEEM	Holland 5:30 to 10:30 A.M. except Tuesday and Wednesday
25.69	11.70	PONTDISE	France 3 to 6 P.M., 6:15 to 9:15 P.M.; 10 P.M. to 12 mid.
29.04	10.33	ORK	Belgium 7:45 to 9:15 P.M.
30.43	9.86	EAQ	Spain 10:50 to 12:45 P.M.; Saturday, 1 to 3 P.M.
31.25	9.60	ETIAA	Mexico 2 P.M. to 2 A.M.
31.25	9.60	XETE	Portugal 2 P.M., Friday, 3:30 to 6 P.M.
31.27	9.59	HBL	Switzerland 5:30 to 6:15 P.M.
31.28	9.59	W3XAU	Philadelphia, Pa. 11 A.M. to 7 P.M.
31.28	9.59	VKZME	Australia 1:30 to 3 A.M.; 4:30 to 8:30 A.M.; 9 to 11:30 A.M.
31.30	9.58	GSC	Enfield 4 to 8 P.M.
31.31	9.58	VK3LR	Australia 3:45 to 7:30 A.M. daily except Sunday
31.36	9.57	W1XAZ	Boston, Mass. 6 A.M. to 12 Midnight
31.38	9.56	DJA	Germany 5:15 to 9:15 P.M.
31.43	9.53	W2XAF	Schenectady, N. Y. 6:35 to 10 P.M.
31.53	9.51	VK3ME	Australia 10:45 to 12:45 P.M.; Saturday, 5 to 7 A.M.
31.55	9.51	GSB	Enfield 1 to 5:45 P.M.
31.57	9.50	PRF5	Brazil 5:30 to 6:15 P.M. except Sunday
32.02	9.37	HPSABH	Colombia 7:30 to 9:30 P.M.; 11 to 12 Midnight
36.65	6.19	PSK	Brazil 7 to 10 P.M.
37.33	6.03	CNR	Norocco 4:30 to 5 P.M.
38.07	7.00	JTAA	Japan 5:30 to 7:50 A.M.
38.47	7.00	HBP	Switzerland 5:30 to 6:15 P.M.
40.55	7.40	H3ABD	Colombia 7:30 to 12 Midnight
41.55	7.22	HKE	Colombia Monday, 6 to 7 P.M.; Tuesday, Friday, 8 to 9 P.M.
41.80	7.18	CRGAA	Africa 2:30 to 4:30 P.M.
42.00	7.14	H3ABB	Colombia 8 to 10 P.M.
42.86	7.00	H3ABE	Colombia Monday 10 to 11 P.M.; Wednesday 8 to 10 P.M.; Sunday 9 to 11 A.M.
44.41	6.75	JVT	Japan 4 to 7 A.M.
44.71	6.71	TIEP	Costa Rica 7 to 10 P.M. except Sunday
45.00	6.66	H2RL	France 1:30 to 2:30 A.M.; Tuesday 9:15 to 11:15 P.M.
45.38	6.61	RECZ	Moscow, U. S. S. R. 4 to 5 P.M., Mon., Wed., Fri. and Saturday
45.31	6.67	PRADD	Ecuador 11:30 to 12:30 P.M.
46.30	6.48	H3ABB	Colombia 6 to 10 P.M.
46.60	6.41	H3ABB	Colombia 6 to 10 P.M.
46.69	6.42	W3XL	Bound Brook, N. J. 10:45 to 12:45 P.M.; Saturday 9:40 to 11:50 P.M.; Sunday 11:40 A.M. to 1:40 P.M.
47.50	6.31	W1Z	Dominican Republic 7:00 to 9:40 P.M. except Sunday
47.80	6.25	H11A	Dominican Republic 11:40 A.M. to 1:40 P.M. and 7:40 to 9:40 P.M.
47.84	6.27	H11A	Dominican Republic 7 to 11 P.M.
48.00	6.25	H3ABF	Colombia 7 to 11 P.M. except Sunday
48.62	6.17	H3ABF	Colombia 5 to 9:30 P.M.
48.78	6.15	VYJRC	Venezuela 6 to 5 P.M., Tuesday, Thursday and Saturday
48.78	6.15	H3ABA	Colombia 4:30 P.M. to 1 A.M.
48.86	6.14	WEXK	Pittsburgh, Pa. Daily 8 to 10 A.M.
48.82	6.13	ZGE	Malaya States 4 to 6 A.M.; 8 to 10:30 A.M. and 11 A.M. to 3:30 P.M.
49.00	6.12	J0	Africa 5 to 10 P.M.
49.02	6.12	W2XE	Wayne, N. J. 5:30 to 11:30 A.M.
49.02	6.12	YDA	Java 5:15 to 10 P.M.
49.08	6.11	VYJRC	Venezuela 7 P.M. to 2 A.M.
49.08	6.11	XEBT	Mexico 8:30 to 11:30 A.M. and 5 to 10 P.M.
49.10	6.11	VE9HX	Haitian, N. S. 9:30 A.M. to 12 noon and Saturday 11:45 P.M. to 3 A.M.
49.10	6.11	VUC	India Tues., Thurs., Fri. and Sunday 2:30 P.M. to 12 Mid.
49.18	6.10	W3XAL	Bound Brook, N. J. 3:30 to 7:30 P.M. and 8:35 P.M. to 1:30 A.M.; Tues., Thurs., Fri. and Sunday 2:30 P.M. to 12 Mid.
49.20	6.09	H3ABD	Colombia 11:30 A.M. to 12:30 P.M. and 7 to 5 P.M.
49.22	6.09	VE9GW	Thunder Bay, Ontario, Can. Thursday, Friday and Saturday 7 A.M. to 4 P.M.; Sunday 10 A.M. to 7 P.M.
49.34	6.08	W5XAA	Chicago, Ill. Tues., Thurs. and Saturday 3 to 11 P.M.
49.34	6.08	CP5	Bolivia 7 to 10:30 P.M.
49.40	6.07	DXV	Denmark 2 to 6:30 P.M.
49.40	6.07	XEUT	Mexico 7 P.M. to 1 A.M.
49.41	6.07	GERZ	Austria 9 to 5 P.M.
49.42	6.07	VYSRMO	Venezuela 5:15 to 9:30 P.M.
49.42	6.07	VE9CS	Vancouver, B. C. Friday, 12:30 to 1:45 A.M.; Sunday, 12 Noon to 12 Noon
49.50	6.06	H1X	Dominican Republic Tuesday and Friday 8:10 to 10:10 P.M.; Sunday 8:40 to 10:40 A.M. and 2:40 to 4:40 P.M.
49.50	6.06	W3XAU	Philadelphia, Pa. 7 to 10 P.M.
49.50	6.06	WEXAL	Cincinnati, Ohio 6:30 to 7 P.M.; 10 P.M. to 2 A.M.
49.50	6.06	V07LD	Kenya Colony 11 A.M. to 2 P.M.
49.59	6.05	GSA	Enfield 6 to 8 P.M.
49.60	6.05	H3ABF	Colombia 8 to 10 P.M.
49.65	6.04	H3ABG	Colombia 6:30 to 10 P.M. except Sunday
49.67	6.04	W3XAL	Boston, Mass. 6 to 7 P.M.
49.80	6.03	H1X	Dominican Republic 8:10 to 10:10 P.M. Tuesday and Friday
49.83	6.03	DJE	Germany 5:30 to 10:45 P.M.
49.83	6.02	COM	Syria 7 to 9 A.M. Monday, Wednesday and Friday
49.90	6.01	CP5	Bolivia 4 to 6 P.M.
49.96	6.01	VE9DN	Thunder Bay, Ontario, Can. Saturday 11:30 P.M. to 2 A.M.
50.00	6.00	EJ2J	Spain 3:30 to 4:30 P.M.
50.00	6.00	RV39	Russia 7 to 6 P.M.
50.02	6.00	VV4RC	Venezuela 4:30 to 10 P.M.
50.25	5.97	H2ABC	Colombia 11 A.M. to 12 Noon and 6 to 9 P.M.
50.26	5.97	HVJ	Yanville, City, Italy 2 to 2:15 P.M.; Sunday, 5 to 5:30 A.M.
50.42	5.95	H3ABE	Colombia Monday 7 to 11 P.M.; Tuesday, Thursday and Saturday 6:30 P.M.; Wed. and Friday 7:30 to 10:30 P.M.



SIR JOSIAH STAMP

The former British cabinet member, now director of the Bank of England, is an international authority on economics. He will be heard Friday, December 7, at 5 p. m. EST on short-wave and via an NBC-WEAF network, as speaker on the Causes of War exchange program series

On Short Waves

(Continued from Page 17)

ciously and GSA, Daventry, England (6.05 meg.) is excellent on its 6-7 p. m. airing. Listen for *Big Ben* at 6 p. m. DJC, Zeesen, Germany, may often be heard as late as 10 p. m. They are on 6.02 meg. Germany is inaugurating a new series of experimental transmitters. These are:

DEM, 6.079 meg.; DJN, 9.54 meg.; DJO, 11.795 meg.; DJP, 11.555 meg.; DJO, 15.28 meg. and DJR, 15.34 meg. DJN may be heard nightly now from 9:15 to 11:40 p. m. in conjunction with DJC.

Try for These

NEW STATIONS for which you will want to try and which come in well are COI, Vedado, Havana, Cuba, on 9.46 meg. with a mighty entertaining Cuban bill of fare from 6 to 7 p. m. and 9 to 10 p. m. There is also OAN4AD, Lima, Peru ("RADIO DUSA"), on 5.77 meg. Wednesday and Saturday nights from 9 to 11:30 p. m.

THE OUTSTANDING STATION to try for now is 2RO, Rome, with their new 20,000-watt voice. 2RO uses their 48.70 meters, or 6.160 meg. frequency for a series of special broadcasts to the United States. This important series of broadcasts take place on Monday, Wednesday, and Friday nights from 6:30 to 8 p. m. Transmission opens with our National Anthem and *Giovinetta*, the Fascist song.

Not only are some of the great "Arias" from the State Opera being broadcast but also addresses by such speakers as *Gabriele D'Annunzio, S.E.*, the president of the Italian Chamber of Deputies, and former radio minister *Ciano*, the *Prince Paterniani*, the writer *Luigi Pirandello*, etc. Rome is also carrying out tests to the U. S. on 30.67 meters.

The S. W. Calendar

MONDAY NIGHT, December 3, DJC and DJN, both at Zeesen, Germany, on 49.83 meters and 31.45 meters respectively will broadcast a special program to the short wave listeners of North America from 9:15 to 10:40 p. m. This program was especially arranged by the *International DXers Alliance*.

Short wave broadcasts scheduled during the week for rebroadcast over the NBC and CBS networks are four in number. On Monday, December 3, at 8:45 p. m., another program comes from the *Schooner Selb Parker* over an NBC-WJZ network or direct from KNRA, the ship's transmitter, on 48.70, 31.22 or 24.30 meters.

Wednesday, December 5, at 10 p. m. will be heard another of the CBS-WABC two-way programs from Little America. KFZ, the Little America base station, is easily heard direct and frequently tests Mondays, Tuesdays and Wednesdays between 7 and 10 p. m.

On Thursday, December 6, from 4:30 to 5 p. m., the NBC-WJZ network will originate from Chicago and Washington, D. C., a program commemorating the seventeenth anniversary of independence of Finland. The usual NBC transmitters will short wave the program to Finland where it will be rebroadcast. Among those to be heard are *Leonard Astron*, Finnish minister to the United States; *Wilbur Carr*, assistant secretary of state of the United States; *E. A. Forsberg*, Finnish consul in Chicago, and the *Chicago Sibelius Choir*.

On Friday, December 7, at 5 p. m., *Sir Ivoagh Stamp*, director of the Bank of England, and former British cabinet member, will speak from London in another of the exchange programs in the *International Causes of War* series. An NBC-WEAF network will carry the address which will be transmitted to America by GSD, 25.53 meters, and GSB, 31.55 meters.

Tuning Tips

MANY SHORT WAVE LISTENERS have been enjoying the fine symphony concerts which have been broadcast by

the French stations at Pontoise. Tune in these splendid programs on Sundays around 12 noon. The concerts have featured both the *Paris Concertatory* and the *Paris Symphony Orchestra*.

The attempts of English crooners to sing American cowboy songs have furnished many a good laugh to those who follow the programs of the English stations at Daventry.

COC, HAVANA, CUBA, is stepping out these evenings. Located at 6.01 megacycles, it is comparatively free of interference and has been heard in Europe, New Zealand and South Africa. This station is a great favorite among American listeners because of its frequent announcements in English.

TIEP, San Jose, Costa Rica, has been received with great volume during the past few weeks. As yet its schedule is not definite but it has been heard almost every night recently between 8 and 11 o'clock. You'll find TIEP at 6.71 meg.

SOUTH AMERICAN stations are providing plenty of entertainment. One that is being received regularly and with good volume is HJ3ABD at Bogota, Colombia. It is located at 7.40 meg. and offers some splendid programs for those who like the tango type of music.

STATION CT1AA, Lisbon, Portugal, has moved up the dial a few degrees. Look for it at 9.66 meg., instead of 9.60 as formerly. Programs from CT1AA are identified by frequent groups of three cuckoo calls.

ALTHOUGH A COMMUNICATION from Rome says that its broadcasts to America are being transmitted on a frequency of 4.75 meg., many listeners have found that by dropping down to 5.10 meg. these programs have been heard more clearly. Evidently 12RO is transmitting on two frequencies.

RICHARD HIMBER
AND HIS
STUDEBAKER *with Joey Nash*
CHAMPIONS

Saturday 9³⁰ Eastern Standard Time
P.M.

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WHAC — WFBM
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I am enclosing remittance for \$.....

My Name is.....

Street Address.....

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On Short Waves

(Continued from Page 21)

has been good two or perhaps three mornings of this period at about the same time as GSI. Pontoise (11.88 meg.) has been fair on its 11:15 a. m. to 2:15 p. m. schedule. GSD, Daventry (11:75 meg.) is heard now only from about 1 to 2 p. m.

Eastern dxers report "ease" in picking up Japan on 10.74 meg. (JVM at Nazaki, relay of JOAK).

On the 31-meter band there has been very poor reception. Only GSB, Daventry (9.51 meg.) and PR15, Rio de Janeiro, are worthy of mention. However, PR15 has been coming through with good audibility and distinctness.

The 44-meter band is full of good things. GSA, Daventry (6.15 meg.) is good from the first stroke of *Big Ben* at 6 p. m. to the signoff singing of God Save the King at 8 p. m. DJC, Zeesen, Germany (6.02 meg.) has been extraordinarily good at times. Peak reception of DJC is around 8 p. m. and signals usually fade away before the signoff. Best of the South Americans have been COC, Havana (6.01 meg.), THP, San Jose, Costa Rica (6.71 meg.), HJABB, Barranquilla, Colombia (6.44 meg.), YV3RC, Caracas, Venezuela (6.15 meg.) and OAN4D, Lima, Peru (5.78 meg.)

Tuning Tips

UNUSUAL WAS the station that made its appearance at the Radio Guide *Listening Post* at Bloomington, Illinois, on the morning of Wednesday, November 28, at 9:07 a. m. on about 16.21 meg. A peculiar three-tone whistle, was sounded over and over and then a guttural French voice began to call "Allo-allo-allo," mentioning "Paris" several times. We feel reasonably sure that this was the Commercial Telephone station at Saigon, French Indo-China testing with Paris. These stations have been unusually active of late, and are now preparing to transmit a telephone circuit beamed on North America.

KNRA, the good ship SETH PARKER, somewhere in the Southern Pacific waters, was heard with a poor signal Monday night, November 26, on a stated frequency of 8.840 meg.

SOMETHING DIFFERENT may often be heard if you turn to 5.61 meg. around 8:15 p. m. This is the channel occupied by CIG, the mining camp station of the Consolidated Mining and Smelting Co., of Rossland, British Columbia. It will be in communication no doubt with another of their mining camps possibly C1N, located near the Arctic Circle. C1N can sometimes be heard replying by shifting your dial to a slightly lower frequency.

Brazilian Data

COMPANHIA RADIO DO BRASIL give some enlightening information. They state that their commercial transmitting station is located at Marapicu, Brazil, in the heart of the Brazilian jungles less than 60 miles from Rio de Janeiro.

Each evening except Sunday they take the air at 5:30 p. m. with a news bulletin furnished by the *Programa Nacional*. This transmission is in Portuguese from 5:30 to 6 p. m., and in English, French, Spanish and German from 6 to 6:15 p. m. During this news period the familiar call PR15 ("F as in Friday") is used.

The transmitters at Marapicu however, are used most of the time for commercial telephone service with New York, Buenos Aires, and Madrid, employing the following calls and frequencies: PSA, 21.08 meg. or 14.23 meters, telephone to New York; PSF, 14.69 meg. or 20.4 meters, telephone to Buenos Aires and Madrid; PSA, 14.935 meg. or 20.07 meters, telephone to Buenos Aires and Madrid; PSII, 10.22 meg. or 29.35 meters, telephone to Madrid; PSK, 8.185 meg. or 36.65 meters, telephone and special program to Buenos Aires (It will be remembered that this last transmitter, PSK, was used until recently for a regular evening broadcast using the call letters PRA1, which were the call letters of a medium wave Rio de Janeiro station which was being relayed.)

"Give, Boy, Give!"

(Continued on Page 22)

On Short Waves

Time Shows Is Eastern Standard

Coming broadcasts to note on your calendar: The new short wave station HJN, in Bogota, Colombia (49.35 meters/6169 kc/6169 mcg) will dedicate a special program to the *International Dixers Alliance* on Friday morning, December 21, from 1 to 3 a. m. EST. Outstanding features to be heard soon from DJC, Zeesen (6.02 mcg) include: December 16, 7:30 p. m., concert from German masters; December 18, 7:15 p. m., preview of film "Love and the Railroad"; December 19, 8:30 p. m., brass and wood music of all peoples, played by National Aviation Sports Orchestra; December 20, 7:30 p. m., "Christmas Night on Hallig 146"; December 21, 8:30 p. m., "Advent Bells Are Ringing," by German Choral Society; December 22, 7:30 p. m., "An Advent Evening in Black Forest" and at 8:30 p. m., dance music by the famous White Ravens. Three impending programs from the fairly dependable Spanish, EAQ (9.80 mcg) are: December 15, 7 to 7:30 p. m., musical program of great popular waltzes of all time; December 18, 7:47:30 p. m., musical program, "The Party and After"; December 22, 7:47:30 p. m., Hawaiian music.

Byrd Thrills

MOST DRAMATIC these nights are the broadcasts marking the closing pages of the *Byrd Expedition's* great adventure. In less than a month the pack ice will be breaking at Little America, Antarctica, and this will mean a hurried exodus for the dauntless Admiral and his party.

On the last transmission we heard the Penguins do a bat over a portable microphone set up on the ice in front of the Bay of Whales. A few uninvited seals horned in to add an extra thrill to this extraordinary aural picture.

Dixers may pick up the Byrd broadcasts over LSX, Buenos Aires (10.35 mcg), through WJL (8.95 mcg) or WEF (9.49 mcg) each Wednesday night from the time the stations begin testing (around 9 p. m.) until they sign off at around 10:45 p. m. Plenty of plums and cream for the grape nuts are deserved for these thrilling broadcasts.

Reception Review

FOR PERIOD of November 30-December 7, as reported by Charles A. Morrison, *International Dixers Alliance*:

Probably the most enjoyable broadcast for many a moon was received on Monday, December 3, from 8 to 8:30 p. m. from Havana's popular station COC (6.01 mcg). At the time, COC was engaged in transmitting a special program to WMBC, Detroit, Michigan, for rebroadcast on the regular band. To my mind, the magnetic

Father Coughlin's Broadcasts

Stations carrying Father Coughlin's broadcast outlets are listed below. His talks go on the air at 4 p. m. EST, 3 p. m. CST, and 2 p. m. MST, every Sunday.

Shrine of the Little Flower Network

WLV, Cincinnati, O. WOKO, Albany, N.Y.
WCAU, Philadelphia WPHL, Syracuse, N.
WGR, Buffalo, N. Y.
WOL, Wash'ton, D.C. WUR, New York City
WBO, Des Moines, Ia. WGAH, Cleveland, O.
KWK, St. Louis, Mo. WJR, Detroit, Mich.
WCAQ, Baltimore, Md. WDB, K. C., Mo.
KSTP, St. Paul, Min. WJJD, Chicago, Ill.
WJAS, Pittsburgh, Pa. WOW, Omaha, Neb.

The Yankee Network

WYAC, Boston, Mass. WHAS, Springfield, Ill.
WDFB, Hartford, Ct. Mass.
WYAN, Providence, R.I. WFEA, Manchester, N.H.
WYIC, Bridgeport, Conn. WYBN, N. Bedford, Mass.
WYOC, Worcester, Mass.
WYLB, Bangor, Me. WLLR, Lowell, Mass.

NEWS BROADCASTS

Time Shows Is Eastern Standard

SUNDAY

Press Radio News—
Y.N. WNAC 8:45 a. m.
CBS-WABC 10:30 a. m.
NBC-WEAF-WJZ 11 a. m.
John B. Kennedy—
NBC-WEAF 7:15 p. m.
Press Radio News—
Y.N. WNAC 6:45 p. m.
Alexander Woolcott—
CBS-WABC 9 p. m.
Walter Winchell—
NBC-WJZ 9:30 p. m.
Press Radio News—
Y.N. WAAB 9:45 p. m.
CBS-WABC 10:55 p. m.
NBC-WJZ 11:10 p. m.
NBC-WEAF 11:30 p. m.

MONDAY

Press Radio News—
Y.N. WNAC 7:15 a. m.
Y.N. WORC 8 a. m.
CBS-WABC 10 a. m.
NBC-WEAF 10 a. m.
NBC-WJZ 10:45 a. m.
Y.N. WNAC 1:30 p. m.
Y.N. WAAB 2:45 p. m.
Y.N. WORC 6 p. m.
NBC-WEAF-WJZ 6:30 p. m.

Lowell Thomas—
NBC-WJZ 6:45 p. m.

Press Radio News—
CBS-WABC 6:55 p. m.

Y.N. WAAB 7 p. m.

Beake Carter—
CBS-WABC 7:45 p. m.

Edwin C. Hill—
CBS-WABC 8:15 p. m.

Press Radio News—
Y.N. WAAB 9:45 p. m.

Y.N. WNAC 11 p. m.

TUESDAY

Press Radio News—
Y.N. WNAC 7:15 a. m.
Y.N. WORC 8 a. m.
CBS-WABC 10 a. m.
NBC-WEAF 10 a. m.
NBC-WJZ 10:45 a. m.
Y.N. WNAC 1:30 p. m.
Y.N. WAAB 2:45 p. m.

Y.N. WORC 6 p. m.
NBC-WEAF-WJZ 6:30 p. m.
Lowell Thomas—
NBC-WJZ 6:45 p. m.
Press Radio News—
CBS-WABC 6:55 p. m.
Y.N. WAAB 7 p. m.
Beake Carter—
CBS-WABC 7:45 p. m.
Press Radio News—
Y.N. WAAB 9:45 p. m.
Y.N. WNAC 11 p. m.

WEDNESDAY

Press Radio News—
Y.N. WNAC 7:15 a. m.
Y.N. WORC 8 a. m.
CBS-WABC 10 a. m.
NBC-WEAF 10 a. m.
NBC-WJZ 10:45 a. m.
Y.N. WNAC 1:30 p. m.
Y.N. WAAB 2:45 p. m.
Y.N. WORC 6 p. m.
NBC-WEAF-WJZ 6:30 p. m.

Lowell Thomas—
NBC-WJZ 6:45 p. m.

Press Radio News—
CBS-WABC 6:55 p. m.

Y.N. WAAB 7 p. m.

Beake Carter—
CBS-WABC 7:45 p. m.

Edwin C. Hill—
CBS-WABC 8:15 p. m.

Press Radio News—
Y.N. WAAB 9:45 p. m.

Y.N. WNAC 11 p. m.

THURSDAY

Press Radio News—
Y.N. WNAC 7:15 a. m.
Y.N. WORC 8 a. m.
CBS-WABC 10 a. m.
NBC-WEAF 10 a. m.
NBC-WJZ 10:45 a. m.
Y.N. WNAC 1:30 p. m.
Y.N. WAAB 2:45 p. m.
Y.N. WORC 6 p. m.
NBC-WEAF-WJZ 6:30 p. m.

Lowell Thomas—
NBC-WJZ 6:45 p. m.

Press Radio News—
CBS-WABC 6:55 p. m.

Y.N. WAAB 7 p. m.

John B. Kennedy—
NBC-WEAF 7:15 p. m.

Beake Carter—
CBS-WABC 7:45 p. m.
Edwin C. Hill—
CBS-WABC 8:30 p. m.
Press Radio News—
Y.N. WAAB 9:45 p. m.
Y.N. WNAC 11 p. m.

FRIDAY

Press Radio News—
Y.N. WNAC 7:15 a. m.
Y.N. WORC 8 a. m.
CBS-WABC 10 a. m.
NBC-WEAF 10 a. m.
NBC-WJZ 10:45 a. m.
Y.N. WNAC 1:30 p. m.
Y.N. WAAB 2:45 p. m.
Y.N. WORC 6 p. m.
NBC-WEAF-WJZ 6:30 p. m.

H. V. Kalbenborn—
CBS-WABC 6:30 p. m.

Lowell Thomas—
NBC-WJZ 6:45 p. m.

Press Radio News—
CBS-WABC 6:55 p. m.

Y.N. WAAB 7 p. m.

Beake Carter—
CBS-WABC 7:45 p. m.

Edwin C. Hill—
CBS-WABC 8:15 p. m.

March of Time—
CBS-WABC 9 p. m.

Press Radio News—
Y.N. WAAB 9:45 p. m.

Y.N. WNAC 11 p. m.

SATURDAY

Press Radio News—
Y.N. WNAC 7:15 a. m.
Y.N. WAAB 8 a. m.
CBS-WABC 10 a. m.
NBC-WEAF 10 a. m.
NBC-WJZ 10:45 a. m.
Y.N. WNAC 1:45 p. m.
Y.N. WAAB 2:45 p. m.
Y.N. WNAC 6 p. m.
Frederic Wm. Wise—
CBS-WABC 12 noon.

Press Radio News—
CBS-WABC 6:55 p. m.

NBC-WEAF-WJZ 6:30 p. m.

Y.N. WAAB 7 p. m.

Press Radio News—
Y.N. WAAB 9:45 p. m.

Y.N. WNAC 11 p. m.

personality of this friendly Cuban announcer is unsurpassed by even the famous pioneer mikeman Phil Startz, of PHE, Huizen, Holland (11.73 mcg). The programs of COC radiate warmth and interest that make them outstanding on the short wave channels.

And the indirect, yet appealing manner in which the announcer sells Cuba to his audience could well be copied by American advertisers. "Come to Cuba's sun-kissed Caribbean shores where balmy breezes bring the fragrance of tropical flowers in full bloom," says this Latin mikeman and then the music swings into a typical rumba. For Cuban music, don't miss COC's late Saturday show starting at 12 midnight.

THIS PERIOD brought an improvement generally in short wave reception. The 49-meter band provided a number of South American programs of real entertainment value. The Europeans, however, have been below seasonal average.

During the two months absence of DJB, Zeesen, Germany (15.21 mcg) from the 19-meter band, GSF in Daventry, England (15.14 mcg), has taken first honors. GSF's best time is during their World News Bulletin at 8:45 a. m. Pontoise, France (15.24 mcg), ranks a poor second, while PCJ, Eindhoven, Holland (15.22 mcg), is heard irregularly.

ON THE 25-METER BAND: GSF, Daventry (11.86 mcg) is now on from 6 to 9 a. m. simultaneously with GSF and then continues with the next transmission until 10:45 a. m. GSF is a bit inferior to GSF and subject to rapid fading. PHE, Huizen, Holland (11.73 mcg), is heard every morning except Tuesday and Wednesday but seldom has any program worth while. The early afternoon transmissions on this band have been erratic and very poor.

THE 31-METER band has not shown any decided improvement. GSB, Daventry (9.51 mcg) is seldom heard. PRF5, Rio de Janeiro (9.5 mcg) is still, on each evening and EAQ has shown a slight improvement.

THE 49-METER band, as may be expected at this time of the year, is best and provides very fine entertainment from a variety of stations up until around 10 p. m. when most of the South Americans sign off. The outstanding stations have been COC, Havana, Cuba (6.01 mcg); XEBT, Mexico, D. F. (6 mcg); YV3RC, Caracas, Venezuela (6.15 mcg); RADIO DUSA, Lima, Peru, OXAN4 (5.78 mcg); HJ1AB, Baranquilla, Colombia (6.44 mcg); YV5RMO, Maracaibo, Venezuela (5.85 mcg); TIEP, San Jose, Costa Rica (6.71 mcg); and YV4RC, Caracas, Venezuela (6.38 mcg). DJC, Zeesen, and GSA, Daventry, have been unusually poor, while IFA, Rome, Italy, has offered fair entertainment.

Tuning Chitchat

INTERESTING AND UNUSUAL stations heard at the Listening Post during the last week have been:

December 1, HCK, Quito, Ecuador, on about 5.84 mcg and signing off at 9:10 p. m. (This is an irregular station seldom heard.) YGN, Guatemala, Guatemala, heard signing off in English on Saturday night at 12 midnight on a frequency of about 3.95 mcg. They used three-toned chimes as a signal, and in signing off played "Taps" on bells.

December 3, HJ1ABH, Bogota, Colombia, a seldom heard station on a new frequency of 5.98 mcg. They used chimes similar to NBC's before an announcement in Spanish and one stroke on a gong after an announcement. Sign off at 11:10 p. m. On the same night TIX, "La Voz del Reino" of San Jose, Costa Rica, said "Tambio, tambio," and signed off at 11:18 p. m. with "A Thousand Good Nights" as theme song.

Most amusing is the Sears Roebuck Hour in English each Thursday and Saturday night over YV3RC, Caracas, Venezuela (6.15 mcg), from 8:30 to 9.

TWO NEW STATIONS are now listed at Daventry, England—GS1 on 15.26 mcg and GSJ on 21.53 mcg. No definite schedules have been assigned.

On Short Waves

Time Shown Is Eastern Standard

Peace on earth, good will to men will reign over the short waves in a special series of holiday broadcasts from Germany, England, Spain and other distant lands during the next few days.

Arranged below in the order of their broadcast are the principal Christmas programs to be heard on the high frequencies:

SUNDAY, DECEMBER 23

8:45 a. m. DJA (9.56 meg) and DIN (9.54 meg), Schwartzmeier Children's Choir of Berlin, Germany, in Christmas songs. Rebroadcast over NBC WJZ network.

12:45 p. m. EAQ (9.86 meg), chants and pre-Christmas prayers of Benedictine Monks of Montserrat, Spain.

8:30 p. m. DJC (6.02 meg), Christmas songs by the Karin v. d. Heyde vocal quartet.

MONDAY, DECEMBER 24

11 a. m. GSA (6.05 meg) and GSB (9.51 meg), carols from Cambridge University, England.

4:30 p. m. GSA (6.05 meg) and GSB (9.51 meg), celebration of 50th anniversary of founding of world's first settlement house.

6 p. m. DJC (6.02 meg), Bach's Christmas Oratorio from the Kaiser Wilhelm Memorial Church, Berlin, Germany.

CHRISTMAS, DECEMBER 25

8:55 a. m. to 10:10 a. m. GSB (9.51 meg), GSD (11.75 meg) and GSG (17.79 meg), Yuletide messages from every corner of British Empire climaxed at the end by message from King George. Rebroadcast over NBC and CBS networks. See Christmas program article in this issue for more details.

1 p. m. IRF (8.02 meg), IRA (6.10 meg) or IZRO (9.78 meg), Benedictine choir of San Anselmo in liturgical service from Domitilla Catacombs in Rome, Italy. Rebroadcast over the NBC-WEAF network.

2:30 to 5:15 p. m. W2XE and W3XAU will relay overseas the special Nash program described in detail in the Christmas program article elsewhere in this issue. This is a regularly scheduled feature of the CBS-WABC chain.

SPORTCASTS

Time Shown Is Eastern Standard

SUNDAY, DECEMBER 23

ABS Network—Hockey, 10 p. m.

WGN (720 kc)—Hockey, Blackhawks vs. Les Canadiens, 10:45 p. m.

MONDAY, DECEMBER 24

Yankee Network—Baseball School, 5 p. m.

WHN (1010 kc)—Boxing Bouts, 9:30 p. m.

WNEW (1250 kc)—Boxing Bouts, 9:30 p. m.

TUESDAY, DECEMBER 25

WKBW (1480 kc)—Hockey Game, 8:30 p. m.

WGR (550 kc)—Hockey; Bisons vs. Cleveland, 9:15 p. m.

WMCA (570 kc)—Hockey, 10 p. m.

WGBF (630 kc)—Wrestling Matches, 10:30 p. m.

WAAB (1410 kc)—Wrestling Matches, 10:38 p. m.

WEDNESDAY, DECEMBER 26

Yankee Network—Baseball School, 5 p. m.

WMCA (570 kc)—Boxing Bouts, 10 p. m.

THURSDAY, DECEMBER 27

ABS Network—Hockey Game, 10 p. m.

WGR (550 kc)—Hockey; Bisons vs. London, 9:15 p. m.

FRIDAY, DECEMBER 28

Yankee Network—Baseball School, 5 p. m.

ABS Network—Madison Sq. Garden Bouts, 10 p. m.

WGBF (630 kc)—Boxing Bouts, 10 p. m.

SATURDAY, DECEMBER 29

CRC Network—Hockey, 9 p. m.

WHN (1010 kc)—Boxing Bouts, 9:30 p. m.

6 p. m. DJC (6.02 meg), special program describing Christmas customs in Germany.

7 to 7:30 p. m. EAQ (9.86 meg), military band concert of Christmas melodies from Madrid, Spain.

WEDNESDAY, DECEMBER 26

8:30 p. m. DJC (6.02 meg), old-time Christmas singing from Berlin, Germany.

THURSDAY, DECEMBER 27

7:30 p. m. DJC (6.02 meg), "A Woman's Fate," portrayed by Princess Djavidan Hanoum.

ANOTHER MILESTONE in the progress of commercial short waves was passed recently when on Friday, December 7, (Continued on Page 25)

On Short Waves

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the Trans-Pacific telephone link between California and Tokyo, Japan, was officially opened to the public. It will be possible for you now to call your friends in the land of the cherry blossoms from your own private telephone.

On Saturday, December 8, a musical program in honor of the new circuit was transmitted by the United States for re-broadcast in Nippon.

KWU (15.35 meg) in Dixon, California, is the U. S. end of the link and in Tokyo, Japan, JVF (15.62 meg) does the transmitting. JVF was quite strong at 4:30 p. m. Saturday, December 8, an hour at which JVF may frequently be heard testing with KWU.

Reception Review

FOR PERIOD of December 7-13, as reported by *Charles A. Morrison, International Dx'ers Alliance:*

Average reception has maintained for the period. The 19- and 25-meter bands have been poorer than usual while the 31- and 49-meter bands both showed some improvement.

The 19-meter band has been very mediocre, only rising to fair reception levels on two or three mornings. GSF, Daventry (15.14 meg) has been subject to deep, slow fading which renders intelligibility poor, although the signal strength was often good. Pontoise (15.24 meg) was best on Tuesday morning, December 11,

W8XK, Pittsburgh (15.21 meg) is on in the early mornings but usually has a poor signal.

The 25-meter band has steadied down somewhat and GSE, Daventry (11.86 meg) has been fair at the end of its 6-9 a. m. transmission, and at the beginning of the 9:15-10:40 a. m. schedule. GSD, Daventry (11.75 meg) rose to a very good signal on two occasions but for a very short period. It was best from 1-2 p. m. Pontoise (11.88 meg) was noted on its noon schedule once or twice.

The 31-meter band has been considerably better with GSB, Daventry (9.51 meg) good at times. GSB may often be heard right after 12 noon. PRF5, Rio de Janeiro, Brazil (9.50 meg) is surprisingly consistent on their 5:30-6:15 p. m. schedule. DJA, Zeesen (9.56 meg) was tuned in for the first time in some weeks on their 9 a. m. schedule on Thursday, December 13, and were distinguished with their musical identification. EAQ, Madrid, has remained about the same.

European signals on the 49-meter band have been enjoyable. GSA, Daventry (6.05 meg) is on from 6-8 p. m.; DJC, Zeesen (6.02 meg) from 5:30-10:40 p. m.; and IRA, Rome (about 6.1 meg) is on 6:30-8 p. m. Monday, Wednesday and Friday. South American signals continue good. HJLABB, Baranquilla (6.44); YV5RMO, Maracaibo (5.85); OAX4D, Lima (5.78); TIEP, San Jose (6.71); COC, Havana (6.01); and XEBT, Mexico D. F. (6.0) have come in like local stations.