

The Sunday Spotlight

'Landlord's Delight' Gets Results

By WILLIAM DOUDNA (State Journal Radio Editor) Even after all these years around radio, I must confess that I still know virtually nothing about the intricacies of radio engineering.



For personal and professional reasons, results are the thing. So when a new type of antenna is hooked up to an FM receiver, and I tell you what happens, but not why.

In our house are two FM receivers. One is an AM receiver with an FM tuner. The other is a super-sensitive FM set. Until a couple of weeks ago, the tuner was operating on the AM receiver's built-in antenna and the super-sensitive job was hooked to a T-shaped combination of wires laid under a rug.

For local reception, the tune was satisfactory, but WJCF's transmitter was the most distant one it would bring in. Even without an aerial, the FM set would bring in considerable distance (once it picked up Winona, Minn.) With the makeshift antenna, it logged a good many outlets, but reception often was weak.

Uncle Ray's Corner

Quinine Grown in East Indies

One of our important drugs is known as "quinine." It is helpful in the treatment of malaria, and illness which is common in warm parts of the world.

Quinine is taken from bark of the cinchona tree, which is a native of South America. It is found wild on the slopes of the Andes mountains.

About 300 years ago, a Spanish woman in Ecuador was cured of a fever after using the bark of the cinchona tree. Just how she "used" it, we are not told, but in any case the news of her cure spread far and wide.

Two centuries later, Great Britain and Holland sent men to South America to obtain cinchona seeds and seedlings. These were planted in India, Ceylon, and Java.

At present there are cinchona tree plantations in India and Ceylon, but they are not nearly so large as those of Java.

An ounce of cinchona seeds may produce as many as 20,000 plants. The seedlings are placed 3 or 4 feet apart. A thousand trees can be grown on a single acre of ground.

Bark can be taken off when the tree is only 3 years old, but it does not reach full size for 8 or 9 years.

The bark is placed in bales and taken to a quinine factory. There it is ground into a brown powder, which is treated until the quinine is taken out.

The Dutch East Indies supply nine tenths of the world's quinine. This helps to explain why the Dutch East Indies are so

Now we have the latest thing in FM antennas—a double folded dipole. It consists of two narrow loops made of aluminum and placed in the form of a cross, parallel with the ground.

The effect is that of a circular pattern of reception—it is non-directional, giving equal quality at all points on the dial.

As for results—it helped the tuner somewhat, bringing in Chicago for the first time, but it was almost perfect on the super-sensitive FM receiver. We logged 22 stations in a single evening, most of them coming in sharply and clearly.

The engineers who installed the new antenna tell me it is the best type now known. However, they also tell me that you can get satisfactory results with the now-obsolete dipole by having reflector bars installed with it.

A less expensive installation than mine, but a satisfactory one, is a single folded dipole which comes in various styles—sometimes in the shape of an incomplete circle or an "S". This type also can be improved by the addition of reflector bars.

The Dutch East Indies are far larger than Holland. They contain eight times as many people and 58 times as much land.

Among the islands are Java, Sumatra, and Celebes, also large parts of Borneo and New Guinea. Beside those named, there are dozens of other islands of smaller size.

The Dutch East Indies are rich in many ways. Big crops are grown on them, and they have large stores of important metals.

Another great product of the Dutch East Indies is rubber. Before the second World War, they supplied more than one third of the world's rubber.

with piano, accompaniment, organ, and chimes are included. The newest and most ambitious work chosen is George Frederic McKay's setting of poems by Edwin Markham, "Lincoln Lyrics."

This 1949 composition by a University of Washington composer will have its first Madison performance. Jacques Offenbach's opera "La Belle Helene" is not so well known as his "Tales of Hoffman."

but G. Wallace Woodworth, conductor of the Harvard-Radcliffe Choral society, has translated and revised a number of the choruses from this burlesque of Helen of Troy and the Greek heroes, and six of them will be on the program.

HOLD FAMILY REUNION PRAIRIE DU SAC—The annual Keller family reunion was held Sunday at the Badger Community building. More than 30 members of the family attended.

Prof. Paul G. Jones of the school of music conducts the organization, in which membership is open to all students, faculty members, and staff workers.

The Aug. 13 program will feature several recently issued and revised works, as well as some of the standard choral repertoire. A cappella compositions and works

Religion

9:30 a. m. — Bethel Lutheran (WIBA): "With Bands of Love," the Rev. L. A. Benson; anthem, "The Love of God," Mozart.

10 a. m. — First Congregational (WIBA): "The Commonplace," the Rev. Richard Anthes; anthem, "Glorious Forever," Rachmaninoff.

11 a. m. — Bashford Methodist (WFOV): "When God Spoke," the Rev. William B. Waltrire. A. Christian Presbyterian (WKOW): "A Christian Loyalty Oath," Dr. Roy W. Zimmer; dedication service of young people.

11:30 a. m. — Round Table (WIBA): "The Schuman Plan," Ambassador Henri Bonnet, Prof. Alan Simpson and Hans Morgenthau.

4 p. m. — American Forum (WIBA): at new time; "Our Transportation System—Good or Bad?," Admiral Emory S. Land, Col. Robert S. Henry, Chester S. Thompson, Walter W. Beison.

6:30 p. m. — My Favorite Husband (WBBM): Liz enrolls George in dancing school.

7 p. m. — Sam Spade (WIBA): guards whimsical toy maker, encounters murder.

8:30 p. m. — The Amusing Hour (WKOW): last show of season.

9:30 a. m. — Choral Concert (WISC): Wylie College choir of Marshall college, Tex.

9:45 a. m. — Bob Houston (WMAQ): "Sam's Song," "Johnson Rag," "I Still Get a Thrill."

11:30 a. m. — Record Parade (WBBM): "Swan Lake."

12:30 p. m. — Piano Land (WFOV): Merrill Owens' memory songs.

12:45 p. m. — Joey Tantiello (WIBA): "Adrian Polka," "In the Good Old Summer Time," "Little Brown Jug."

2:30 p. m. — Piano Playhouse (WISC): returns to the schedule.

4:30 p. m. — James Melton (WIBA): James Melton and Domenico Giuliani; "A Kiss in the Dark," "Will You Remember?"

5:30 p. m. — Music With the Girls (WISC): "Blue Skies," Hawaiian medley.

6 p. m. — Guy Lombardo (WKOW): "Dearie," "You Wonderful You," "Stumbling," "Boo Hoo."

8:15 p. m. — University Women's Chorus (WIBA): Helen S-Thomas Blot, conductor; Jo Anne Jaeger, Watertown, guest speaker; "Hark the Echoing Air," "The Snow," "Nina," "Happy Talk."

8:30 p. m. — Enchanted Hour (WGN): "Goliwog's Cake Walk," "By the Water of Babylon (WKOW): with Martha Perez, Cuban mezzo-soprano; "Maracas," "Beyond the Blue Horizon."

7:30 p. m. — NBC Symphony (WIBA): Eugene Ormandy, conductor; Eugene Conley, tenor; "All Hail, Thou Dwellling," "Danny Boy," "With a Song in My Heart," Prokofiev's "Classical Symphony," Kennan's "Night So-Illoquo," rumba from Macdonald's "Rumba Symphony," Enesco's "Romanian Rhapsody No. 3," Kiwanis Choral Concert (WGN): Union-Endicott high school choir of Binghamton, N. Y.

Classified Highlights of Today's Radio Schedules

Table with columns for radio stations (WIBA, WISC, WKOW, WJCF, WBBM, WENR-WLS, WGN, WMAQ) and their respective programs and times.

Starred programs are also carried on corresponding FM stations. FM channel list: WIBA-FM 101.5, WJCF-FM 94.9, WISC-FM 98.9, WMAQ-FM 98.9.

Quiz 2:30 p. m. — Quiz Kids (WIBA): 10th anniversary. 9:30 p. m. — We Take Your Word (WKOW): Sylvia Sidney, guest.

Sports 12:25 p. m. — Baseball (WIBA-FM): Cubs at Philadelphia. 9:30 p. m. — Jackie Robinson (WISC): and Ezzard Charles.

Mayfield Pupils Present Recital Junior and senior piano pupils of Lucille Mayfield presented a recital Saturday night in Esther Vilas hall. Awards went to Elaine and Marie Anthony, diplomas for music achievement; Nancy Faust, Barbara Heintz, Jerry Lee Gulseth, Patricia Heintz, Delores Mellor, Nancy Lessner, Darlene Oren, Betty Pine, Irene Riese, Gail Sholts, Dorothy Thiesen, Margaret Storck, and Lucille Ward, honorary music awards.

WILDCAT REUNION The Northern States district reunion of veterans of the 81st Wildcat Division of both World Wars will be held Saturday and Sunday, July 8-9, in Grand Rapids, Mich. Reservations may be made by writing the Wildcat Reunion Committee, Hotel Pantillon, Grand Rapids.

WHO WANTS SOCIALIZED STEEL? I sense, both within the industry and among the public, a growing alarm lest the example of the Socialist Labor government of Great Britain be followed in America.

WKOW 1070 ON YOUR DIAL. Brought to You as a Public Service by ROBT. J. NICKLES, INC. "Madison's OLDEST Electrical Contracting Firm"

WFOV (FM) 104.9 MEGS. MONDAY 8:00 Yawn Patrol. 8:30 Clockwatchers. 9:00 The Public. 9:15 Herb Kern. 9:30 Dance Band. 9:50 Dance Band. 10:05 Morning Variety Show. 10:30 The Public. 10:45 Easy Tunes. 11:00 News. 11:05 Marching Along. 11:30 Sacred Heart Program. 12:00 News. 12:05 Memory Walkers. 12:30 Cole Porter Review. 12:45 Peggy Lee. 1:30 News. 1:35 Stratus Waltzes. 1:45 Music Manuscripts. 2:00 Primo Solo. 2:15 Sweetheart Music. 2:30 News. 2:35 Record Matinee. 2:55 News. 3:00 Music Party. 3:15 Smooth Music. 3:30 News. 4:00 Juice Box Jamboree. 4:15 Kiddy Scopytime. 4:30 Dick Jurgens. 4:45 News. 5:00 Ken Griffin. 5:15 The Public. 5:30 Of the Record. 5:55 News. 6:00 Musical Menu.

WHA & WHA-FM SUNDAY 8:00 Devotional Music. 8:30 Cathedral Echoes. 9:55 News. 10:05 Symphony Hall. 10:25 News and Weather. 11:00 Masterworks of Music. 11:55 News. P. M. 12:00 Sunday Musicals. 1:30 Song Favorites. 1:45 Veteran Wants to Know. 2:00 Encore. 2:30 Artie Rebroadcast. 3:00 Book Program. 4:00 Chalk Music. 4:15 Sunday Music Hour. 4:45 London Forum. 5:45 UN Album. 6:00 Sunday Musicals. 6:30 Sunday Night Concert. 7:30 Sunday Night Concert. 8:55 News. 9:00 PM Concert. 10:55 Night News (to 11).

Sunday's Crossword Puzzle

15x15 crossword puzzle grid with numbers in the starting squares.

- VERTICAL: 1 Sunken fence, 2 Greek god, 3 continental spot, 4 To impose, 5 Scribbles of the Moham-medans, 6 Sac, 7 To fall, 8 Frouch for, 9 mammal's part, 10 bet, 11 To knock, 12 Fancy case, 13 To, 14 Ungrateful, 15 Girl's name, 16 Sleep, rugged, 17 Miliary, 18 Cassians, 19 point, 20 Bronze, 21 Norse god-ness of heal-ing, 22 Waters, 23 Part of Bible, 24 Labor, 25 How, froe, 26 Squallid, 27 Musical note, 28 To reach, 29 Quality of, 30 sound, 31 Hysterical out-break, 32 Hoately, 33 Art of fish, 34 Ard-

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