

# Radio

## Today's Best

(Copyright, 1925, by United Press)  
 WEAF, New York (492M); Washington (469M); WCAE, Pittsburgh (462M); WEEL, Boston (303M); WDBH, Worcester (268M); WFI, Philadelphia (395M); WGR, Buffalo (319M), and WJAR, Providence (360M). 8 P. M., EST—Victor Artists, Mme. Frances Alda, Frank Laforge, Vic-

## Dancing Tonight

7:30—WCAE—WHAS.  
 8:00—WEEL—WTAS.  
 8:30—WMC.  
 9:00—WBCN—WWJ.  
 9:30—WEEL—WHN—WOAL.  
 10:00—WCCO—WGN.  
 10:05—WIP.  
 10:20—WCAY.  
 11:00—WFAA—WGN—WOC.  
 11:45—WDAF.  
 12:00—KGO—KHJ—WBCN—KNX.

tor Concert Orchestra, Florentine Quartet.

WMC, Memphis (500M) 8:30 P. M., CST—Harry O. Nichols, organist.

KGO, Oakland (312M) 8 P. M., PCST—Radio drama, "The Green Goddess."

WBCD, Zion (355M) 8 P. M., CST—Concert program.

WIP, Philadelphia (509M) 8:15 P. M., EST—Police Band.

## Radio Programs

THURSDAY, JAN. 15.  
 5:30 P. M.—KDKA (309), East Pittsburgh—Dinner concert. WBZ (337), Springfield, Mass.—Dinner concert. WCAE (462), Pittsburgh—Dinner music. WCO (517), Minneapolis-St. Paul—Children's hour, dinner concert. WFI (395), Philadelphia—Davis Orchestra, Simon Jim, WGN (370), Chicago—Skeezix Jim, organ. WY (330), Schenectady—Dance music. Ten Eyck Trio, WOR (405), Newark—Music while you dine. Residue of sports.

6:00 P. M.—WCX (517), Detroit—Musical program. WDAF (411), Kansas City, Mo.—World travel, talk, story, lady, Trianon Ensemble, one hour. WEEL (303), Boston—Big Brother Club, music. WIP (509), Philadelphia—Uncle Wip. WMAQ (447.5), Chicago—Theater organ, La Salle Orchestra. WOAW (526), Omaha—Every child's story hour. WRC (469), Washington—Peggy Albion stories.

6:05 P. M.—WBZ (337), Springfield, Mass.—Bedtime story.

6:15 P. M.—KDKA (309), East Pittsburgh—Children's hour, Auto talk.

6:30 P. M.—WCAE (462), Pittsburgh—Uncle Kayee, WDAF (395), Philadelphia—Dream Daddy. WGN (370), Chicago—Grandma, Bessie, Bessie's Quintet, WY (405), New York—French lesson. WLS (345), Chicago—Organ. WNYC (526), New York—Police alarms. WOAW (526), Omaha—Dinner concert. WOO (509), Philadelphia—Sports, police reports.

6:35 P. M.—KGO (536), Chicago—Uncle Bob, dinner concert.

6:40 P. M.—WTAS (286), Oak Park, Ill.—Studio artist, one hour. KPNF (266), Shenandoah, Iowa—Program from Burlington Jct., Mo. WGY (380), Schenectady—An evening with Brahms and Debussy. WOAW (526), Omaha—Kandall's Royal Orchestra.

6:45 P. M.—KDKA (309), East Pittsburgh—National Stockman program, music. WREB (374), Chicago—Songs, Oriole Orchestra. WFI (395), Boy Scout Corps, music. WKH (283), Cleveland—Program, two and one-half hours. WIP (509), Philadelphia—Tinley talk for motorists. WJAX (390), Cleveland—Musical program. WY (405), New York—Wall Street Journal. WOO

## HOUR by HOUR

THE CONVENIENT PROGRAM FOR THE RADIO FAN. KNOW WHAT'S IN THE AIR ANY HOUR. TIMES PROGRAMS START DAILY AT 5:30 P. M. AND CONTINUE FOR TWENTY-FOUR HOURS.

(ALL CENTRAL STANDARD TIME)

(484), Des Moines, Iowa—Sardina's visit. WLS (345), Chicago—Lullaby time. WRC (469), Washington—Adress, "Y. M. C. A." program. Band concert. WOAF (411), Chicago—Mystery stories. WCAE (462), Pittsburgh—Moore's Orchestra. WCO (417), Minneapolis-St. Paul—Feed talk, health talk, WGBS (316), New York—Footlight and lamplight music. WHAS (400), Louisville—Concert. WENY (526), New York—Concert. WWJ (517), Detroit—Orchestra.

8 P. M.—CNBW (430), Winnipeg—Milk, bedtimes, tales. Melody Three. KFKB (286), Milford, Kan.—KFKB Orchestra lecture. KYW (536), Chicago—Twenty minutes of good reading. WBCN (266), Chicago—Classic concert, one hour. WCBD (345), Marion—Milk, stories, strings. WENI (503), Boston—Gillotte's Dance Orchestra. WGN (370), Chicago—Classical hour. WJY (405), New York—Dance. WHE (411), Kansas City—Musical program. WMAQ (447.5), Chicago—Western Railway Committee talk. WMC (500), Minneapolis—Personal stories. WNE (440.9), Jefferson City, Mo.—Operatic numbers by Missouri Association. WSB (429), Atlanta—Concert. WTB (286), Elgin, Ill.—Orchestra, songs, four hours.

8:20 P. M.—KYW (536), Chicago—Musical program.

8:30 P. M.—WFAA (476), Dallas—Van Alstyne, Texas Artists. WMC (500), Memphis—Hotel Chisca Orchestra. WRC (469), Washington—Waldorf-Astoria Orchestra.

9 P. M.—Fairmont Hotel Orchestra. WBCN (266), Chicago—Jamboree, three hours. WCAL (360), Northfield, Ill.—Studio artist. WEBB (370), Chicago—Riviera Theater program, one hour. WMAQ (447.5), Chicago—University of Chicago lecture, music. WYNC (526), New York—Musical program. WOAW (526), Omaha—Banjo, mandolin and guitar music. WOC (484), Davenport, Iowa—Shuster Sisters Orchestra. WJ (517), Detroit—Goldkette's Orchestra.

9:20 P. M.—KYW (536), Chicago—Safe-t-tire talk.

9:30 P. M.—WBAF (476), Ft. Worth—Popular songs. WEEI (303), Boston—Sinfonians Orchestra. WHN (360), New York—Club Madrid Orchestra. WOI (360), Ames, Iowa—Weather report. WOAI (388), San Antonio, Texas—Jimmy's Joye. WRC (469), Washington—Waldorf-Astoria Orchestra.

10:00 P. M.—KDKA (309), Pittsburgh—"Safe-t-tire" talk.

10:30 P. M.—WBZ (337), Springfield, Mass.—Bedtime story.

11:00 P. M.—WCAE (462), Pittsburgh—Uncle Kayee.

11:30 P. M.—WBCN (266), Chicago—"Safe-t-tire" talk.

12:00 P. M.—Midnight—KFI (469), Los Angeles—Musical, KGO (312), Oakland—Hotel St. Francis Orchestra. KJL (386), Los Angeles—Burnett's Orchestra, one hour. KPC (423), San Francisco—Bradfield's Band, one hour. KXN (337), Hollywood, Calif.—Hotel Ambassador Orchestra. WBCN (290), Chicago—Popular studio program.

FRIDAY, JAN. 16

6:00 and 6:45 A. M.—KDKA (309), East Pittsburgh—Exercises.

6:30, 7:00 and 8:00 A. M.—KYW (536), Chicago—Morning exercises. "World Crier," every one-half hour.

7:00 A. M.—WWJ (517), Detroit—Setting-up exercises.

8:30 A. M.—WJAZ (390), Cleveland—Woman's program, one half hour. WWZ (517), Detroit—Tonight's dinner, public health talk.

9:00 A. M.—WOC (484), Davenport, Iowa—Marketa, household hints.

9:45 A. M.—WCAL (360), Northfield, Minn.—St. Olaf Chapel services.

10:30 A. M.—KWB (536), Chicago—Woman and home service.

10:45 A. M.—WCO (417), Minneapolis-St. Paul—Home service.

11:00 A. M.—WBAF (390), Columbus—Piano, one hour. WQJ (448), Chicago—Home economics, one hour. WWJ (517), Detroit—Music.

11:30 A. M.—WGE (319), Buffalo—Organ.

11:35 A. M.—KYW (536), Chicago—Talk for women.

12:00 Noon—WCE (360), St. Louis—Music, one-half hour. WLS (345), Chicago—Noontime farm program, one hour. WOC (484), Davenport, Iowa—Chimes. WSB (429), Atlanta—Entertainment.

12:30 P. M.—WHA (484), Iowa City, Iowa—University of Iowa talk, one-half hour. WOI (388), Ames, Iowa—College chimes, address.

1:30 P. M.—WGR (319), Buffalo—Concert. WMC (500), Memphis—Noontime concert.

1:40 P. M.—WGN (370), Chicago—Drake Ensemble, Blackstone Quintette.

2 P. M.—WCO (417), Minneapolis-St. Paul—Woman's hour. WMC (500), Chicago—Woman's hour.

2:30 P. M.—WGN (370), Chicago—Recital, rocking-chair hour.

3 P. M.—WCK (360), St. Louis—Music, WQJ (448), Chicago—Household hints, one hour.

3:15 P. M.—WCAE (462), Pittsburgh—The Sunshine Girl. WDAF (411), Kansas City, Mo.—Star Trio, one hour.

3:45 P. M.—WLS (345), Chicago—Home makers' hour.

4 P. M.—WCO (417), Minneapolis-St. Paul—Magazine hour. WHAS (400), Louisville—Alamo Theater.

4:10 P. M.—WOO (509), Philadelphia—Organ.

5 P. M.—WBZ (327), Springfield, Mass.—Dinner concert. WEX (402), Detroit—Dinner music.

5:30 P. M.—WGR (517), Detroit—Music.

6 P. M.—WCAE (462), Pittsburgh—The Sunshine Girl. WDAF (411), Kansas City, Mo.—Star Trio, one hour.

6:45 P. M.—WIP (509), Philadelphia—Dinner program. WOS (540.9), Jefferson City, Mo.—Home reading story.

## Sets in Germany

There are 250,000 radio receivers in Germany, reports the secretary of state, Dr. Bredow. The number is increasing at the rate of 2,000 a day, he adds.

## Hashed Concerts

### Keep Privacy

PRIVATE transmission of radio messages has been discussed and tested for at least three years by engineers in various parts of the country.

This, practically, is the method upon which it is said the American Telephone & Telegraph Company bases hopes of broadcasting selected concerts through leased devices, to those fans who will pay for such programs.

The principle of such private broadcasting lies in a system of scrambling the voice that enters the microphone, so that it will be unintelligible to others than fans having a device that will unscramble and straighten out the same voice before it enters the receiving set.

Messages, in code, are undergoing this operation even today. So it is perfectly logical to expect similar possibilities in voice broadcasting.

## RADIO EXPERTS

### IN 1924 DOUBLE

### THOSE OF 1923

Figures Prepared by Commerce Department Show Increase.

growing tendency in other countries to remove restrictive measures that have hampered the manufacture and use of radio, and the greater freedom granted to broadcasting stations in operation and under process of construction, by each foreign government in question, have also contributed toward making our 1924 exports in this class practically twice that of 1923. Our radio exports, by value, for the year just passed will undoubtedly exceed \$5,000,000."

## Regulator for Antenna

Antenna should not be stretched too tight at this season of the year, because the wire is likely to become coated with ice several times during the winter. If the wire is too tight it may break. However, too much slack should not be left in the antenna. If the wire swings in the wind, the capacity of the antenna system will be varied and the incoming signals will fade.

A spring device that overcomes these difficulties and protects an exposed antenna from winter breakage has been placed on the market. This tension stabilizer uses a spring of strength ad length scientifically calculated for the ordinary antenna. As the spring is always under compression, there is no possibility of its being stretched beyond its elastic limit. No matter how tightly the spring may be squeezed, it will always return to its original shape and will always keep its correct strength.

The device can be easily attached to the antenna. It absorbs shocks and strains, keeps an even tension on the antenna, stabilizes tuning and stops all winter antenna breakages and troubles. The device comes in two sizes—a standard model with spring of correct length and tension for ordinary broadcast reception antenna, and a special shorter model for the sending station aerials.

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