

Radio 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)

Today's Best

Copyright, 1925, by United Press
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WRC, Washington (469 M); WJZ, New York (454 M); WGY, Schenectady (380 M), 8 P. M., EST.—Pan-American night.
KYW, Chicago (535 M), 8:30 P. M., CST—Symphony Orchestra.
KGO, Oakland (361 M), 8 P. M., PCST—Comedy, "Dear Brutus."
WEAF and hookup, including WFI, WCAE, WGR, WCCO, WOC, WEI, JAR, CTS, J and SAI, 9 P. M., EST—Artists and orchestra.
WPG, Atlantic City (300 M), 8:15 P. M., EST—Organ recital.

Radio Programs

5:30 P. M.—WCAE (461.3), Pittsburgh—Orchestra, WCAU (278), Philadelphia—Orchestra, WBZ (333.3), Springfield Ensemble, WCCO (416.4), Minneapolis—St. Paul—Children's program, WGN (370.2), Chicago—Organ, WGR (319), Buffalo—Orchestra, WGY (379.5), Schenectady—Trio, WLS (344.6), Chicago—Organ, WTC (475.9), Hartford—Trio.
5:35 P. M.—KYW (535.4), Chicago—Uncle Bob; dinner music.
5:40 P. M.—WGBS (315.6), New York—Interview with Joe Brown.
5:45 P. M.—WGR (319.1), Buffalo—Fashion talks, WOC (483.6), Davenport—Chimes, WFI (394.5), Philadelphia—Orchestra.
6:00 P. M.—WOK (217.3), Chicago—Vocal, organ orchestra, string trio, KDKA (309.1), East Pittsburgh—Ball scores, WEAF (491.5), New York—Midweek services, WEAR (339.4), Cleveland—Melody Maids, WGBS (315.6), New York—Soprano; Voilaire hour of music, WHB (361.2), New York—Varied entertainment, WJR (517), Detroit—Orchestra; soloists, E. V. Jones, Chicago—Concert; E. V. Jones, WMAQ (275.1), Milwaukee—Organ, WMAQ (447.5), Chicago—Theater organ; orchestra, WOAW (526), Omaha—Classical program.
6:15 P. M.—KMA (252), Shenandoah—Music; flower talk.
6:30 P. M.—WJY (405.2), New York—To be announced, WEAF (491.5), New York—Serendipity, WFAA (475.9), Dallas—Hawaiian music, WGN (370.2), Chicago—Dinner music, WCAU (278), Philadelphia—Trio, WEI (348.6), Boston—Baritone, WHAR (275), Atlantic City—Lecture period, WREO (285.5), Lansing—Talk; music, WLS (344.6), Chicago—Organ.

Concert Music

7:00—WJZ, WGY.
7:30—WIP, WHO, WHAS.
8:00—WCBD, WEAF, WWJ, WSAI.
8:30—WCAU, WFAA.
9:00—WRNY, WOAW.
9:30—WEBH.
10:00—KYW, WEAR.

6:35 P. M.—WGY (379.5), Schenectady—Book chat, barton, etc.
6:50 P. M.—WJY (405.2), New York—Reading "Hackney Horses."
7:00 P. M.—KCX (517), Detroit—Music, WCAU (278), Philadelphia—Tenor, pianist, violinist, WEAF (491.5), New York—Instrumental quartets, also WGR, WJAR, WFI, WEI, WCTS, WSAI, WWJ, WEAR (389.4), Cleveland—Program, WGBS (315.6), Chicago—Fort and Glenn, WRC (344.6), Chicago—Fort and Glenn, WMBB (250), Chicago—Semi-classical program, WNYC (299.8), New York—Entertainment, talks, WQJ (447.5), Chicago—Dinner concert, WOAW (526), Omaha—Orchestra, WRNY (258.5), New York—Orchestra, Love Song Girl, WRC (468.5), Washington—Orchestra.
7:15 P. M.—WJY (405.2), New York—Talk, WBZ (333.3), Springfield—Comedienne, violin, WREO (285.5), Lansing—Orchestra, vocal, instrumental, WPG (299.8), Atlantic City—Organ, WLS (344.6), Chicago—Salvation Army Band.
7:20 P. M.—WBRR (273), Staten Island—Sunday School quartet.

Dancing

7:30—KPRC.
8:00—WEAR, WTAS.
9:00—WEAF, WCAE, WCCO.
9:30—WBZ, WOAI.
10:00—WEAF, WQJ.
10:30—WGN, WHT.
11:00—WOC.
11:45—WDAF.
12:00—KGO, KPO.

7:30 P. M.—WEBH (370.2), Chicago—Orchestra—entertainment, KPRC (296.9), Houston—Orchestra, trio, reader, WHO (526), Des Moines—Trio, WHAS (399.8), Louisville—Music, talk, WIP (508.2), Philadelphia—Conservatory recital, WRNY (358.5), New York—Questions and answers, popular songs.

7:45 P. M.—KDKA (309.1), East Pittsburgh—Concert, WJY (405.2), New York—Dinner, American port, authoritatis, WBZ (333.3), Springfield—Saxophone concert.

8:00 P. M.—WCX (517), Detroit—Music, WCBD (344.6), Zion, Ill.—Orchestra, celestial bells, WCAU (278), Philadelphia—Barney Moore, tenor, WEAF (491.5), New York—Radio artist, solo WEI, WCO, WJAR, WFI, WCTS, WSAI, WWJ, WEAR (389.4), Cleveland—Orchestra, GBS (315.6), New York—Old time minstrels, WTA (275), Atlantic City—Studio, WHN (361.2), New York—Music, WJR (517), Detroit—Serendipity, soloists, WMAQ (447.5), Chicago—Garden talk, WORD (275), Batavia—Trio, WRNY (258.5), New York—King of Sports, popular songs, WSB (428.3), Atlanta—Entertainment, studio, WTAS (302.8), Elgin—Orchestra, studio.

8:05 P. M.—WRW (273), Tarrytown—Music.
8:30 P. M.—WKO (278), Denver—Orchestra, songs of yesterday, WFAA (475.9), Dallas—Male quartet, WGBS (315.6).

HOP TEACHES NAVY LESSON

(Continued From Page 1)

standard navy radio equipment. The power for the transmitter was supplied by a wind-driven generator of 4,000 evolutions a minute, which provided 500 watts. When the plane was in flight the transmitter worked perfectly. Just as soon as the plane took to the ocean the power supply was cut off without which the transmitter could not be operated. The receiving apparatus was not affected, however, because a few storage batteries provided power for this purpose.

The PN-9 was not equipped with a fixed antenna. When in the air the plane let down a wire which answered the purpose. The plane also was equipped with kites which could be sent aloft with a wire which would serve as an antenna.

Recently the Navy has invented a special high frequency transmitter which can be operated on a few storage batteries. Communication over several thousand miles has been accomplished with these transmitters. The planes of the MacMillan Arctic expedition are equipped with them.

But while the standard radio equipment will not work while the plane is on the ground or in the water, neither will the high frequency transmitter work while the ship is in the air. To be assured of communication at all times, therefore, it would have been necessary for the plane to have carried both types of equipment.

Noted Pianist on First Bill



Walter Flandorf

The Indianapolis Times will have the aid of Walter Flandorf, noted instructor and concert pianist of this city, in putting over the first Indianapolis Times' radio program Friday night, beginning at 9 p. m. over WFBM, Merchants Heat and Light Company. Flandorf and Edwin Jones, violinist of the Metropolitan School of Music, will assist Ona B. Talbot in presenting the first orchestral talk to be broadcasted from here.

GOVERNMENT TO END 'WHISTLES'

(Continued From Page 1)

800 and 801 kilocycles per second (wavelengths 375 and 374.5 meters). Signals from both of these stations enter the receiving set and in addition to giving up to the set the messages (music, etc.), which the radio-frequency currents produced by the carrier waves combine and produce a note which has a frequency equal to the difference between the frequencies of the two receiving waves, in this case, 1,000 cycles (1 kilocycle a second). This is a high-pitched whistle. Any two stations that are closer together than 3,000 cycles will give a whistle which can be heard and which is very annoying. The frequency of the whistle is always the difference in the frequencies of the waves of the two beating stations.

"The assignment of frequencies (wavelengths) which is made by the Department of Commerce to the transmitting stations is such that two Class B stations operating simultaneously should be closer in frequency than 10,000 cycles. Two stations having a difference in their frequencies of 10,000 cycles produce a beat note which is too high to be readily audible. So, if all Class B broadcasting stations maintain accurately the frequency which they are legally entitled to use, they would produce no beat interference. These Class B stations are the ones to which the large majority of the people listen and are assigned frequencies between 550 and 1,000 kilocycles (wavelengths 545 to 300 meters)."

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| and Phonograph | 150.00 | 200.00 |
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| Radio Installation in | | |
| Phonograph | 70.00 | 125.00 |

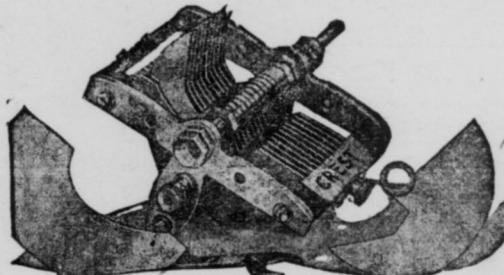
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