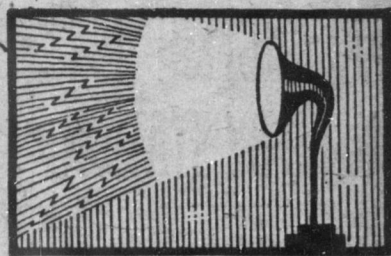


## RADIO SECTION



INDIANAPOLIS, THURSDAY, JAN. 29, 1925

### INDIANAPOLIS LISTENERS-IN TO HOLD MEETING

#### PITTSBURGH IS COVERED BY WIRE BY STATION KDKA

Lines Extend All Over City Connecting With Radio Broadcaster.

By NEA Service

PITTSBURGH, Pa., Jan. 29.—Pittsburgh challenges the rest of the country with the contention that it is the most complete radio city of all.

Not only does this city of steel claim pioneering honors in broadcasting, but it adds the claim of being the most completely interlocked city in the country, so far as radio is concerned.

More than forty special wires radiate from station KDKA, twelve miles from here, and connect with every center of amusement, religion, business and other activity of importance in and about the city. Each of these centers is a miniature broadcasting station when it transmits through KDKA.

A number of churches of various denominations have pick-up stations with microphones at their pulpits for the broadcasting of different services.

#### Air College

Lectures and actual courses of instruction are being conducted at regular intervals by means of the pick-up stations located in the colleges and other educational institutions about Pittsburgh.

Theaters, clubs, concert halls, athletic centers and hotels have permanent connections to KDKA so that their programs may be sent over the air whenever they arrange it.

All these pick-up stations are connected by special direct wire to station KDKA. All that is needed, to arrange for broadcasting, is the installation of the microphone at the source.

#### Special Broadcasts

Besides these forty or more regular pick-up points, microphones are frequently installed at various points where entertainments and athletic games are being conducted. Special lines are brought direct to the station.

KDKA itself has four broadcasting studios. The original studio is still at the Westinghouse plant in East Pittsburgh. Another is at the University of Pittsburgh, a third is at East Liberty, a suburb of Pittsburgh, and the fourth is in the downtown district of Pittsburgh.

The last is used most often, because of its convenience for visitors. Musical and other programs of entertainment come mostly from this studio. The university studio covers the special lecture courses there, and the East Liberty branch takes care of market and stock reports.

#### Knew Cough

The radio discloses unexpected possibilities.

One Edward Murphy was sitting on the stage at a political gathering in Manchester, N. H., when he interrupted the speaker of the evening with a cough.

Mrs. Murphy, tuning in on the speech with her radio, heard that cough a mile away and recognized it. Fifteen minutes later one of the Murphy boys arrived with father's favorite prescription.

#### 13-Year-Old Radio Builder



GRACE WEAVER, 13-YEAR-OLD HIGH SCHOOL GIRL OF OAKWOOD VILLAGE, NEAR DAYTON, OHIO, IS PROUD OF HER OWN RADIO RECEIVER BECAUSE SHE BUILT IT. IT'S A FIVE-TUBE NEUTRODYNE. THE FIRST NIGHT SHE USED IT SHE GOT LOS ANGELES.

#### RADIO BUREAU ISSUES PERMITS TO 6 STATIONS

Ohio, Missouri, Illinois and Pennsylvania Among States Getting New Broadcasters.

By Times Special

WASHINGTON, Jan. 29.—Six new class A broadcasting stations have been licensed by the Radio Bureau, while one station transferred from class C to A, two from class A to B and two from class C to B. The new stations follow:

Call. Station.	Wave length meters.	Power watts.
WBRE—Baltimore Radio Exchange, Wilberbarre, Pa.	231	10
KFUV—G. Pearson Ward, Springfield, Mo.	252	10
KFUW—Earl Wm. Lewis, Moberly, Mo.	233	10
WGBK—Lawrence W. Campbell, Johnstown, Pa.	248	5
WGBL—Albert H. Ernst, Elyria, Ohio	227	10
WSRF—Harden Sales and Service, Broadlands, Ill.	233	10
Transfer Class C to Class A		
WKY—WKY Radio Shop, Oklahoma City, Okla.	275	10
Transfer Class A to Class B		
WEMC—Emanuel Missionary Col. Berrien Springs, Mich.	235.5	500
WJJD—Supreme Lodge, Loyal Order of Moose, Mooseheart, Ill.	302.8	500
Transfer Class C to Class B		
WCAL—St. Olaf College, Northfield, Minn.	336.9	500
WSAC—Clemson Agri. College of South Carolina, Clemson College, S. C.	336.9	500

#### RADIO WEEK IN CANADA

Leaders in Dominion Industry to Take Part in Affair.

By Times Special

WASHINGTON, Jan. 29.—The Canadian Radio Trades Association, whose membership is made up of the leaders in the Canadian radio in-

dustry, has designated the week of Feb. 2, as Canada's second annual radio week. Assistant Trade Commissioner W. J. Donnelly, Ottawa, informs the department of commerce.

Manufacturers of radio apparatus, distributors and dealers throughout the Dominion are cooperating to make this year's radio week an unqualified success.

#### U. S. COMMISSION TO PROBE ACTS OF RADIO 'TRUST'

Trade Body Will Begin Taking Evidence March 18.

By Times Special

WASHINGTON, Jan. 29.—The Federal trade commission has announced it will begin taking testimony March 18 at New York City on its complaint against the General Electric Company, American Telephone and Telegraph Company, Western Electric Company, Inc., Westinghouse Electric and Manufacturing Company, the International Radio Telegraph Company, United Fruit Company, Wireless Specialty Apparatus Company and Radio Corporation of America. The hearings will be conducted by Attorney Edward L. Smith of the commission's staff.

Complaint charges in substance these companies "have combined and conspired for the purpose and with the effect of restraining competition and creating a monopoly in the manufacture, purchase and sale, in interstate commerce, of radio devices and apparatus and other electrical devices and apparatus and in domestic and trans-oceanic radio communication and broadcasting."

The connection between the complaint and request of Secretary Hoover that there be no radio legislation at the present time is indicated in this report of the Federal Trade Commission on its investigation of the patent situation at the request of Congress:

"The patents in the radio industry, which the commission was called upon to investigate by this resolution, were found to be controlled by a combination of a few great companies, as also commercial communications by radio. The commission since issuing the report has instituted proceedings against these companies. These facts are of vital importance in considering what legislation shall be now provided for the regulation of the radio industry."

#### DIRECT TO SWEDEN

New Broadcasting Station is Completed at Varberg.

By Times Special

WASHINGTON, Jan. 29.—The new broadcasting station at Varberg is completed, reports to the Department of Commerce state. This makes direct radio communication between Sweden and the United States possible for the first time.

#### Secret of Soldering

Before soldering, the surfaces to be soldered and the surface of the "iron" should be absolutely clean. A rag and a small piece of fine emery paper should be part of the equipment. Use the rag to wipe off the surface of the "iron" while it is hot, and use the emery paper to clean the surfaces to be soldered. Take care of these points and soldering will be found the easiest part of building the set.

#### Using a Loop Antenna

To get good results out of a loop antenna, a set should be used that is designed especially for this purpose. Such a receiver contains from one to three more stages of radio-frequency amplification. For loud-speaker operation at least four or five tubes should be used, unless the receiver is of the reflex variety, in which the tubes do double duty.

Radio Problems Will Be Discussed at Session Tuesday.

CARL FOHL,

Times Radio Editor.

Interference is ruining radio reception in Indianapolis. At the present time it is almost impossible to receive programs. Something must be done to stamp out this condition. Last week the writer suggested the forming of a Broadcast Listeners Association similar to the ones in St. Louis, Chicago, Cleveland, and other cities where a great deal has been accomplished in improving radio reception. In response to this suggestion, hundreds of letters and telephone calls were received in favor of it.

Several small clubs have been formed in various parts of the city during the past few weeks and according to reports received they have improved receiving conditions in their localities far beyond expectations in this short time. One organization in the east part of the city has a membership of about 200, who are willing to join with other radio listeners in forming one large organization.

The Chicago Broadcast Listeners Association has a membership of close to 45,000. This organization has cleared up 75 per cent of the interference in Chicago since it was formed six months ago.

A meeting has been called for next Tuesday at 8 p. m. at the Hoosier Athletic Club, Pratt and Meridian Sts., and every radio listener in Indianapolis who is in favor of bettering local receiving conditions is earnestly asked to attend this meeting.

Space does not permit us to print all the letters and cards received from those in favor of this organization, but a few picked at random will be found on another page of this section.

#### AMATEURS LIST ECLIPSE MATERIAL

Information Put in Shape for Study.

By NEA Service

HARTFORD, Conn., Jan. 29.—Three hundred amateurs of the United States helped collect information in the Nation-wide fading tests that were undertaken during the recent total eclipse of the sun.

The data is now being compiled by experts of the American Radio Relay League for submission to astronomers, who will then study the material to discover any new information that the eclipse might have brought out.

The particular job of the amateurs in this event was to test and observe the effect on short amateur wavelengths. At the same time the Scientific American and the American Astronomical Society had enlisted the aid of radio fans and broadcasters to discover what effect the eclipse had on the other wavelength ranges, on fading and any other radio phenomena.

The tests by both amateurs and listeners are expected to bear out what is practically already established, that the ionization, or electrification, of the atmosphere takes place immediately with the appearance of sunlight and as quickly vanishes with the coming of darkness.