

RADIO IS HURT BY CHARGING OF BATTERIES

Autoists Found to Blame in Many Instances of Interferences.

Efforts of Old Man Winter to produce cold automobile motors and run-down batteries have brought many old style battery chargers back into use, with disastrous results to good radio reception. The type that has the vibrating arm home chargers causes interference from two to five miles. Many letters have found their way to The Times radio interference department in the last week, all with different ideas as to cause of the trouble.

The Times Radio Interference Man would like everybody with chargers to find out if they are the type that broadcast. If they are, don't put them on until after 11 p.m. The eight-hour charge will bring your battery up to the amount needed to run the starter.

More than fifty cases have been found and in some cases chargers were being used by those who sent in the letters.

Here is one case of charger trouble:

Times Interference Man: We have had poor reception in this locality for two years. The noise at times sounds like a motor, at all times popping and also a strong A.C. hum.

There are high tension lines in the rear of 2627 Southeastern avenue. On rainy nights we can see and hear leaks from the insulators and see the sparks jump, making a loud crackling sound.

It is signed by F. A. Chapman, 2627 Southeastern avenue; L. M. Wall, 2534 English avenue; E. E. Braham, 2723 Southeastern avenue; Frank Schier, 2609 Southeastern avenue; Harry Lewis, 2520 English avenue; Roy Syers, 2460 English avenue; Delbert Julian, 2422 English avenue; and Frank B. West, 2515 Southeastern avenue.

The Times Interference man made a check on the trouble in the neighborhood, finding that most of the interference was caused by battery chargers of old type that were broadcasting an A.C. hum for more than a mile. Also, the power station at Southeastern avenue and English avenue was interfering with low wave stations.

D. E. Morgan, 316 West Twenty-ninth street:

This is the second time that we have found that the power lines of the Indianapolis Power and Light Company have caused interference in your locality. The light company has been notified and promised that if the trouble could be found in the Forty-ninth and Keystone station it would be removed.

Arthur Purkiser, 2918 East Michigan street:

After a check, looking for your trouble, I find that the interference comes from the street car lines. You are receiving a three-block interference, made as each car passes.

G. A. Berdon, East Michigan street:

You were right about the car rails for three or four blocks. They are in bad condition. The car company has been notified and your trouble soon will be less in volume when these rails are repaired.

Mrs. T. William Engle, 462 North State avenue:

After a check on the trouble you have in your locality, I find that the East Michigan cars are causing quite a bit of it. Going east, the cars have an upgrade and must increase power to make the hill. Also, the rails have been wet lately, and that, with the dirt on them, would make a bad ground. The car company has been notified in this case and will do everything possible to clear your trouble.

Ralph E. Brooks, 1605 North New Jersey street:

Your trouble is not in the power lines, as you said. I made a careful check of that locality and find that you have two small cases of trouble that will be cleared up by Monday.

Esther Sabachy, 3823 Graceland avenue:

Your trouble was in the street car lines, broken bounds now will be taken care of.

City Stations

SATURDAY
WKBF (1400 Kilocycles) INDIANAPOLIS (Hoosier Athletic Club)
10:30—Recipe exchange.
10:15—Studio program of history, courtship, and public library.
10:30—Livestock and grain market; weather and shipper's forecast.
10:40—WKBF shopping service.
P. M.—Late news bulletins and sports.
6:00—KDKA, Cleveland.
6:30—Bair's theater program.
10:30—Indianapolis AUDI Club.
SUNDAY

P. M.—Speech by American Legion commander McNutt.

5:45—Santa Claus.
6:00—Longine's time, weather forecast, race marathons news.
6:15—WFGM concert trio.
6:30—WFHM mixed quartet.
7:30—Kenwood Tire enterainers.
8:00—Christian seal program.
8:30—Harp recital, by Pasquale Montani.
8:45—KDKA hour.
9:45—Indiana minstrels.
10:15—The Columnist; Longine's time; Dick Powell's orchestra.
11:00—Charlie Davis's orchestra from the Indiana Club and Sleep Tomorrow Club.
1:00—Good morning.

WFHM (1050 Kilocycles) INDIANAPOLIS (Indianapolis Power and Light Company)
SATURDAY

1:00—Speech by American Legion commander McNutt.

5:45—Longine's time, weather forecast, race marathons news.

6:15—WFHM concert trio.

6:30—WFHM mixed quartet.

7:30—Kenwood Tire enterainers.

8:00—Christian seal program.

8:30—Harp recital, by Pasquale Montani.

8:45—KDKA hour.

9:45—Indiana minstrels.

10:15—The Columnist; Longine's time; Dick Powell's orchestra.

11:00—Charlie Davis's orchestra from the Indiana Club and Sleep Tomorrow Club.

1:00—Good morning.

WFHM (1050 Kilocycles) INDIANAPOLIS (Indianapolis Power and Light Company)
SUNDAY

A. M.—Christian seal builders.

10:45—Roberto Park M. E. church.

P. M.—International Bible Students' Association.

2:00—Piano university program from classic recordings.

3:45—Second Presbyterian church.

6:30—Longine's time, weather forecast, race marathons news.

7:00—El Verso hour.

7:30—Dance marathon news.

Fishing The Air

All references are Central Standard Time.

INDIANAPOLIS radio fans now have opportunity to learn something which a great number of them have been waiting for. The Indianapolis Radio Club, 460 Century building, has completed arrangements for establishing a code school in the Century building clubroom, to be held every Friday night at 7:30.

The school will be conducted for two classes, those who know the code and have not enough speed in receiving to get licenses, and those interested, but with no knowledge of the radio or continental code at all. The school is open to anyone who desires to attend and the club wishes to get as many new members in attendance as possible.

"Naughty Marietta," an operetta by Victor Herbert, will be the feature of the Philco hour, broadcast with Jessica Dragonette and Colin O'More in the leading roles through the NBC System Saturday night at 8 o'clock.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

Astounding revelations of the wonders radio still holds in store for the audience will be given by Dr. Lee De Forest, "father of radio," in the De Forest Audions broadcast at 9 o'clock Sunday night from a network of stations associated with the Columbia broadcasting system. Having been engaged in pioneer radio research work for almost a quarter of a century, no one is better qualified to speak on the possibilities radio still holds.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C. Harold Lash and Mrs. Dante L. Connor, three of this city's younger organists. These organ programs are arranged for by Mrs. C. A. Brockway, members of the radio committee of the Indiana Federation of Music Clubs, of which Mrs. Frank B. Hunter is state chairman.

The Indiana Federation of Music Clubs radio hour, a regular Sunday afternoon feature from 2:30 to 3:30 over WKBF, Hoosier Athletic Club station, will be presented by members of the student section of the Indianapolis Matinee Musicals. Feature will be three groups of organ numbers by Mary Helen Brook, Mrs. C.