

Theatre of the Air

ALL TIMES ATLANTIC STANDARD TIME

CFNB FREDERICTON

FRIDAY'S PROGRAMME

8.00—Musical Clock.
2.20—News Bulletins.
8.30—M.M.A. Talk.
8.35—"The Listening Post"
9.00—Morning Concert.
9.15—Dance Music.
9.30—Monitor News.
9.45—Three Capsules.
10.00—Central City.
10.15—Musical Memories
10.30—Home Folks Frolic
10.45—Enterprise Program.
11.00—Happy Warrior Program.
11.30—Big Sister.
11.45—Getting The Most Out of Life.
12.00—Noon Purina Program.
12.15—Building Products.
12.30—Sweet Serenade.
12.45—News.
1.00—Frigidaire Concert Hall
1.30—Road of Life.
1.45—Salada Tea Program.
2.00—Marconi Concert.
2.15—Dr. Susan.
2.30—Birthday Program.
2.45—Concert Songs.
3.00—The Story of Mary Marlin.
3.15—Ma Perkins.
3.30—Pepper Young's Family.
3.45—The Guiding Light.
4.00—Club Matinee
4.30—Vic and Sade.
4.45—Tango Serenade.
5.00—Music Box Revue.
5.30—Dance Parade.
5.45—Burgess Battery Program.
6.00—Jimmie Allen.
6.15—News.
6.30—Howie Wing.
6.45—Macdonald Tobacco Program
7.00—Music Graphs.
7.15—Valley Motors Program.
7.50—Light Up & Listen Club.
7.45—Sports Review—by "Pop" Donovan.
8.00—Cocoanut Grove Ambassadors
8.30—Miss Trent's Children.
9.00—Campbell Playhouse.
10.00—Overseas Commentary.
10.15—Home Town Talk.
10.30—Red Cross Appeal.
11.00—News.
11.15—Rhythm Trio.
11.30—Orchestra.

WEAF NEW YORK 660K.

5.00—Dick Tracy
5.15—Your Family and Mine
5.30—Jack Armstrong
5.45—Little Orphan Annie
6.00—Relaxation Time
6.25—Press Radio News
6.30—George R. Holmes.
6.45—Adrian Rollini's Orchestra.
7.00—Amos 'n' Andy.
7.15—Hollywood Gossip.
7.30—Revelers
7.45—Sweetheart Program.
8.00—City Service Concert.
9.00—Waltz Time.
9.30—Death Valley Days.
10.00—Lady Esther Serenade.
10.30—Uncle Ezra
10.45—Story Behind the Headlines.
11.00—Johnny Messner's Orchestra.

WABC, NEW YORK, 860K.

5.00—Harry Cool
5.15—March of Games
5.30—Men Behind the Stars.
5.45—The Mighty Show.
6.00—News.
7.05—Manhattan Serenade.
6.15—Howie Wing.
6.30—Today
6.45—Doris Rhodes.
7.00—County Seat
7.15—Lum and Abner
7.30—Jack Haley
8.00—Campana's First Nighter.
8.30—Burns and Allen.
9.00—Campbell Playhouse.
10.00—Grand Central Station.
10.30—Barry Wood, Songs.
10.45—To Be Announced.
11.00—News.

WBZ, BOSTON, 990K

5.00—Barry McKinley
5.15—Chuck Shank's Orchestra.
5.30—Don Winslow.
5.45—Tom Mix.
6.00—Norman Cloutier's Orchestra.
6.15—Dorothy Rochelle.
6.30—Gulden Serenaders.
6.45—Lowell Thomas.
7.00—Artie Shaw.
7.30—Oscar Shumsky.
7.45—Trio Time.
8.00—Criminal Case Histories.
8.30—NBC Jamboree.
9.00—Plantation Party.
9.30—March of Time.
10.00—Boxing Bout.
11.00—Ben Cutler's Orchestra.

SATURDAY'S PROGRAMME

8.00—Musical Clock
8.20—News.
8.30—M.M.A. Talks
8.35—"The Listening Post"
9.00—Children's Birthday Program
9.30—Monitor News.
9.45—Popular Songs
10.00—Studies in Black and White
10.15—Melodies In Review.
10.30—House of Peter MacGregor
10.45—Enterprise Program
11.00—Happy Warrior Program.
12.00 Noon Purina Program
12.15—Building Products Program
12.30—Sweet Serenade.
12.45—News.
1.00—Frigidaire Program
1.30—Marconi Band Concert.
2.00—Orchestra.
2.30—Birthday Program
3.00—Music Hall.
4.00—Club Matinee.
5.00—Musical Comedy Memories.
5.30—Orchestra.
5.45—Burgess Battery Program.
6.00—Organ Music.
6.15—News.
6.30—Dance Music.
6.45—Macdonald Tobacco Program
7.00—Dance Music.
7.15—Valley Motors.
7.30—Voice of Youth.
7.45—Friendly Music.
8.15—Discovering Canada.
8.30—Music You Like To Hear.
9.00—London Calling.
9.30—Symphonic Strings.
10.00—To Be Announced.
10.30—Sports World.
11.00—News.
11.30—Orchestra.

WEAF, NEW YORK, 660K.

5.15—Youth Meets Government.
6.00—Kaltenmeyer's Kindergarten.
6.25—News.
6.30—Gray Gordon's Orchestra.
6.45—Religion in The News.
7.00—Avalon Time.
7.30—Lives of Great Men.
7.45—Castilla Twins.
8.00—Quaker Variety Show.
8.30—Fred Waring's Pennsylvanians
9.00—Vox Pop.
9.30—Hall of Fun.
10.00—To Be Announced.
10.30—Red Norvo's Orchestra.
11.00—Joseph Rines' Orchestra.
11.30—Horace Heidt's Orchestra.
12.00—Jan Savitt's Orchestra.
12.30—Eddie Rogers' Orchestra.

WABC, NEW YORK, 860K.

4.45—Dancepatters.
5.00—What Price America.
5.30—Jack Marshard's Orchestra.
6.00—News.
6.05—Leighton Noble's Orchestra.
6.30—Saturday Night Swing Club.
7.00—Americans At Work.
7.30—Joe E. Brown.
8.00—Johnny Presents.
8.30—Professor Quiz.
9.00—Phil Baker.
9.30—We're Busy Stepping Along.
10.00—Your Hit Parade.
10.45—Capitol Opinions.
11.00—Evening News Report.
11.15—Dance Orchestra.
11.30—Charles Baum's Orchestra.
12.00—Ben Bernie's Orchestra.
12.30—Harry Owens' Orchestra.

WBZ, BOSTON, 990K.

4.00—Club Matinee.
5.00—Chamber Music.
5.30—Southwestern Stars.
6.00—El Chico.
6.25—Press Radio News.
6.30—Renfrew of the Mounted.
7.00—Message of Israel.
7.30—Uncle Jim's Question Bee.
8.00—Ben Cutler's Orchestra.
8.30—Brent House.
9.00—Alka Seltzer Barn Dance.
10.00—NBC Symphony
11.30—Lou Breese's Orchestra.
12.00—Chick Webb's Orchestra.
12.30—Freddy Martin's Orchestra.

Marconi Will Transmit Royal Tour Pictures To England



MONTREAL, May 12 — The visit of Their Majesties to Canada will inaugurate an exclusively British Facsimile Service between Montreal and London, England.

The Royal visit has promoted the Canadian Marconi Company to install a Transatlantic Facsimile to send pictures of the Royal visit by radio to England. This service will make it possible for pictures to be received in London approximately 20 minutes after they are filed at the Head Office of the Marconi Company on St. Sacrament Street.

For the past few weeks, Marconi engineers have been installing complete new equipment and carrying out tests with the receiving station at Somerton, England.

The function of the facsimile-sending machine is to translate light impulses into electrical impulses which are then carried over Bell Telephone Company landlines to the Marconi Beam Wireless Transmitting Station at Drummondville, Que., where the electrical impulses are hurled across the Atlantic to the receiving station at Somerton, England, and relayed over landlines to London. There the electrical impulses are converted back to light impulses to produce an exact copy of photograph which was filed in Montreal.

The picture to be transmitted is laid on a vertical drum in the sending

machine at Montreal and this drum is made to revolve at a determined speed. Immediately in front of the

revolving drum is a metal box mounted on guide rails and attached to a worn drive which draws the box from left to right, directly in front of the drum and at a speed relative to that of the revolving drum. In this box is an electric light bulb and an extremely sensitive selenium cell. The electric light is projected through carefully placed lenses which throw a needle-like beam of light onto the slowly revolving picture. The speed of light is reflected back from the picture to the selenium cell which converts the different light values into electrical impulses. These light values vary as the needle point of light strikes light and dark portions of the photograph being sent. The electrical impulses are then transmitted, as previously explained, to Somerton, England.

At the London end, a receiving machine similar to the sending machine receives the electrical impulses and converts them back to light impulses. This light is projected onto a photographic negative attached to a drum revolving at the same speed as the drum in the sending machine at Montreal. The beam of light travels slowly over the face of the negative and transfers the transmitted photograph to the negative. The negative

is then developed and contact prints made, giving in London a picture exactly like the original in Montreal.

In addition to the sending machine at the Montreal office are three panel racks which contain the necessary control equipment. One item of interest in this control equipment is the delicate tuning fork which holds the transmitting machine in perfect synchronization with the receiving machine. This tuning fork must be kept at an even temperature and the chamber in which it is enclosed is fitted with a cooling fan and a heater which are operated automatically by a thermostat.

Daily experimental transmissions are being made, and on one of the recent tests, the accompanying photograph was sent over to Somerton. Twenty minutes after the photograph was placed in the machine at Montreal, a signal flashed back from London "Picture O. K. Montreal. Glad to meet you chaps." This was a chance for the English operators to "see" the engineers in Montreal to whom they had been speaking and with whom they had been working for the past several weeks.

This is but the latest example of the rapid progress that radio engineers have made in the past few years—first the telegraph, then the telephone, then broadcasting and now pictures.

WILL PRESENT 300 CANADIAN STAMPS TO KING

OTTAWA, May 12 — King George is to be presented by the Dominion Government, during his visit to Canada, with a handsomely bound collection of mint copies of about 300 different stamps issued by the Dominion since Confederation.

The collection will have unique value as an official record which will form the basis of research in connection with the Royal philatelic collection in London, of which Sir. John Wilson, Bart, is curator.

It has been prepared at the instance of the Postmaster-General Hon. Norman McLarty, and under the supervision of A. Stanley Deaville, member of the Royal Philatelic Society and chief of the philatelic division of the Post Office Department.

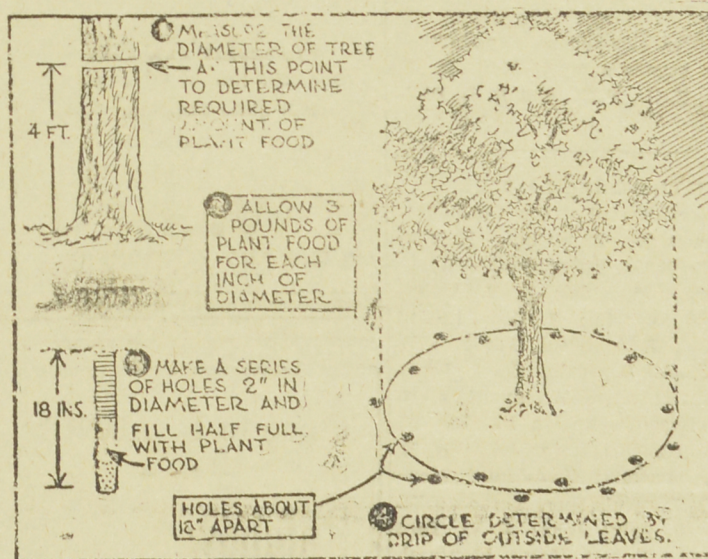
Compilation of the collection to be given His Majesty, who is continuing the keen interest of his father, King George V, in philately, has taken about five years. Having made the presentation collection complete, the department itself will have to take steps to replace complete its own official collection.

The collection embraces complete information about all the different stamps, dates of issue, numbers of the issue and so on.

All the specimens in it are in the most perfect condition obtainable.

Concluding the collection are copies of the special, one, two and three stamps issued by the Government in commemoration of Their Majesties tour of Canada.

Big Trees Need Food Where Roots Can Reach It



The stately old trees that beautify your home would be difficult, and certainly costly, to replace if they should die. Old trees seem so strong and hardy that few of us ever consider their well-being, yet they are subject to disease and the ravages of insects as are all forms of plant life. Trees really don't require very much attention unless decay has already set in. The important thing is to be sure that they are supplied with a sufficiency of all the food elements they require. A well fed tree, like a well fed animal, seldom succumbs to disease.

Supplying your old trees with plenty of all plant food elements they re-

quire is not at all difficult, for the complete plant food that beautifies your lawn and garden and makes your vegetables tastier, as well as quicker maturing, will also have the desired effect on your old trees

The process of tree feeding is quite simple. First you determine the amount of complete plant food required by the tree which you are going to feed. To do this measure the diameter of the tree at a point about four feet from the ground. To each inch of diameter allow three pounds of complete plant food. Inasmuch as the main feeding roots of a tree extend out in a circle equivalent to the circle made by the drip of the branches,

this is the proper place to apply the plant food. Make a series of holes, two inches in diameter and about eighteen inches deep under the drip of the branches in a zigzag fashion. The holes can be made best with a ground auger but a crowbar or other pointed device can be satisfactorily used. Fill the holes half full of the complete plant food and complete filling with soil. That is all there is to tree feeding—really it is easier to do than it is to tell about.



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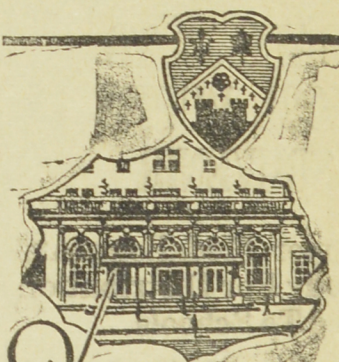
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