

# Programmes Continued

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- 5.0: Close down.  
6.0: Children's session—Uncle Sandy and the Cheerio Radio Club. Choruses, playlets, songs, duets, recitations, and instrumental items.  
7.0: News session, market reports and sports results.  
7.40: Lecture by Mr. Black, of the Government Tourist Department, "New Zealand's Tourist, Holiday and Sporting Attractions."  
8.0: Chimes of the G.P.O. clock, Wellington.  
8.1: March—Wellington Municipal Tramways Band, "Brilliant" (Rimmer).  
8.6: Vocal quartet—Clarion Quartet, "Die Lorelei" (Sicher).  
8.11: Overture—Tramways Band, "Magic Flute" (Mozart).  
8.23: Tenor solo—Mr. Will Hancock, "Country Folk" (Brahe).  
8.28: Selection—Tramways Band, "Il Trovatore" (Verdi).  
8.40: Bass solo—Mr. James Cooke, "A Jolly Old Cavalier" (Dix).  
8.45: Characteristic selection—Tramways Band, "In a Persian Market" (Ketelby).  
8.51: Vocal duet—Messrs. Frank Skinner and Ray Kemp, "Fickle Hearted Mimi" (Puccini).  
8.56: Mezzo-soprano solo—Miss Ailsa Nicol, "Ernani Involami" (Verdi).  
9.1: Weather forecast.  
9.2: Fox-trot—Tramways Band, "Idolising" (West).  
9.7: Tenor solo—Mr. Frank Skinner, "My Mary, Sweet and Brown" (Kilner).  
9.12: Humoresque Waltz—Tramways Band, "When the Birds Began to Sing" (Joyce).  
9.19: Baritone solo—Mr. Ray Kemp, "King Charles" (White).  
9.24: Selection—Tramways Band, "Lucrezia Borgia" (Donizetti).  
9.36: Mezzo-soprano solos—Miss Ailsa Nicol, (a) "Snowflakes" (Montague Phillips); (b) "Coppelia Waltz Song" (Delibes).  
9.41: Tenor solo—Mr. Will Hancock, "Where the River Shannon Flows" (Smith).  
9.45: Waltz—Wellington Municipal Tramways Band, "Temptation" (Ancliffe).  
9.51: Vocal quartet—Clarion Quartet, "Fifty Million Frenchmen Can't Be Wrong" (Fisher, arr. Len Barnes).  
9.55: March—Tramways Band, "Royal Trumpeters" (Brown).  
God Save the King.

## 3YA CHRISTCHURCH (306 METRES)—THURSDAY, MARCH 29.

- 3 p.m.: Afternoon concert session—Selected studio items.  
4.30: Close down.  
6.0: Children's session—Aunt Pat and little cousins will entertain the children. Birthday greetings.  
7.15: News session.  
7.30: Talk by Mr. H. W. Beck on "How to Feed Poultry For Any Purpose With Profit" (M.S.).  
8.0: Chimes.  
Madame Gower-Burns's Grand Opera Quartet present a concert of Negro Spirituals and Plantation songs, assisted by the Christchurch Broadcasting Trio and Miss Mavis Ritchie (elocutionist).  
Baritone solo and vocal quartet—Mr. B. Rennell and Grand Opera Quartet, "Hard Times Come Again No More" (Foster).  
Soprano solos—Madame Gower-Burns, "Big Lady Moon" (Taylor).  
Instrumental Trio—Christchurch Broadcasting Trio, "Allegro Vivace," from D Major Trio (Beethoven).  
Baritone solo—Mr. Bernard Rennell, "Banjo Song" (Homer).  
Pianoforte solo—Miss Aileen Warren, "Nocturne" (MacFadyen).  
Tenor solo and vocal quartet—Mr. Harold Prescott and Grand Opera Quartet, "Rosalie the Prairie Flower" (Wenzel).  
Recitation—Miss Mavis Ritchie, "Gathering Peaches" (B. Baughan, a Christchurch poetess).  
Contralto solo—Mrs. Ann Harper, "Croodlin Doo" (Needham).  
Tenor solos—Mr. Harold Prescott, (a) "Go Down, Moses" (Burleigh); (b) "Tis Me, O Lord" (Burleigh).  
Weather forecast.  
Baritone solo and vocal quartet—Mr. Bernard Rennell and Grand Opera Quartet, "Toll the Bell" (MS.).  
Soprano solos—Madame Gower-Burns, (a) "Mighty Like a Rose" (Nevin); (b) "Weeping Mary" (Negro Spiritual) (Burleigh).  
Instrumental trios—Christchurch Broadcasting Trio, (a) "Salve Dimorah," from "Faust" (Gounod); (b) "Hungarian March" (Berliot).  
Contralto solo—Mrs. Ann Harper, (a) "John Gone Down on de Island" (Burleigh); (b) "Swing Low" (Fischer).  
Pianoforte solo—Miss Aileen Warren, "La Lisonfera" (The Flatterer) (Chaminade).  
Recitation—Miss Mavis Ritchie, "Her First Pudding" (MS.).  
Tenor solo and vocal quartet—Mr. Harold Prescott and Grand Opera Quartet, "Swanee River" (MS.).  
God Save the King.

## 4YA DUNEDIN (463 METRES)—THURSDAY, MARCH 29

- 7 p.m.: Town Hall chimes.  
7.1: Request gramophone recital.  
7.40: News session.  
8.0: Town Hall chimes.  
8.1: Relay of orchestral selections from Octagon Theatre Orchestra.  
8.12: Soprano solos—Miss Rita Holmes, (a) "My Hero," from "The Chocolate Soldier" (Strauss); (b) "Love Nest," from "Mary" (Hirsch).  
8.18: Cello solo—Mr. Malcolm Robilliard, "Ave Maria" (Gounod).  
8.23: Baritone solo—Mr. F. M. Tuohy, "Love and Wine," from "Gipsy Love" (Lehar).  
8.27: Pianoforte solos—Miss Eileen Williams, (a) "Pastorale and Capriccio" (Scarlatti); (b) "Liebestraume No. 3" (Liszt).  
8.35: Contralto solos—Miss Winnie McPeak, (a) "Angus Macdonald" (Roedel); (b) "The Wind" (Spross).  
8.40: Relay of orchestral selections from Octagon Theatre.  
8.50: Bass solo—Mr. E. G. Bond, "Father O'Flynn" (Stanford).  
8.55: Address by Pastor W. D. More.  
9.10: Soprano solo—Miss Rita Holmes, "Some Day Waiting Will End," from "Kissing Time" (Carlyle).  
9.13: Cello solos—Mr. Malcolm Robilliard, (a) "Le Baiser" (Thomas); (b) "Ave Verum" (Mozart).  
9.22: Baritone solos—Mr. F. M. Tuohy, (a) "Cobbler's Song," from "Chu Chin Chow"; (b) "A Bachelor Gay," from "The Maid of the Mountains" (Tate).  
9.30: Pianoforte solo—Miss E. Williams, "Sonata to a Doll" (Debussy).  
9.35: Contralto solo—Miss Winnie McPeak, "I Did Not Know" (Trotter).  
9.38: Relay of orchestral selections from Octagon Theatre.

The chief drawback, apart from atmospheric phenomena, to world broadcasting is the differences in time. Even this difficulty may now be overcome, however, by a recent invention. This is nothing more or less than the actual electric recording of the sound waves of programmes on coils of metal tape. The recording, therefore, of English, American, and foreign programmes in this manner, and their re-broadcasting at times suitable to Australia, New Zealand, Canada, and the rest of the colonies, would mean perfect reception and exchange of inter-colonial and world programmes at all and any times.

Atmospheric conditions for radio reception on the Atlantic Ocean are just about perfect in midwinter, according to K. L. Allardice Arnott, managing director of the Freed-Hisemann Radio, Ltd., of London, who arrived at New York from London on the American Banker recently. Mr. Arnott said that this was his sixth trip across the Atlantic, and that on each preceding journey he had experimented with reception, but that the results were in no way comparable with those during the last crossing. "We left London on December 30," Mr. Arnott said. "During the entire voyage we were never out of touch with land day or night. The Daventry station, 5XX, came in strong, until we were off the Banks of Newfoundland. We heard the New Year's service from the York Cathedral and the ringing of the chimes." Mr. Arnott used an American-made six-valve set during the experiment, and ranged up and down the entire broadcasting band between 200 and 550 metres without any appreciable difference in reception.

The United States Navy Department has reported that high power valve transmitters cost more than are transmitters of the same power, and cites the case of the transmitter installed at San Diego during the latter part of 1926. The General Electric Company, which installed the plant, had to keep two engineers at the station endeavouring to overcome defects in the apparatus for more than a year, and had to replace approximately \$2500 worth of valves during the time that the installation was under test and before the Navy Department took it over. This indicates, to some extent, the difficulties met in the construction of transmitters rating near 100,000 watts. With the arc transmitter none of this trouble is experienced, but it appears as though the efficient arcs must be scrapped as obsolete unless the interference problem is overcome.

In case at any time your "C" battery leads should accidentally have their polarity reversed you will recognize the fact by the extreme faintness of signals, or in some cases their entire absence. An exhausted "C" battery will also cause all sorts of trouble although owing to the very slight drain on this unit a "C" battery will outlast two or three sets of "B" batteries, and does not often cause trouble. Nevertheless, if your set won't go, or if it behaves in an unruly manner, do not overlook this point. Test with a voltmeter, and make certain the reading is not less than 3 volts for a 4½ volt battery. This is the extreme limit. Should it read lower throw it out and substitute a new battery.

In tracing the cause of noise in a receiving set it is advisable to commence by testing the high-tension battery ("B" battery) either by trying it on another set or by trying another battery (known to be O.K. on one's own set), or by a voltmeter. When the insulation of the telephone winding has deteriorated, as it will in high-resistance telephones used in valve circuits, loud cracking noises result. Telephones may be tested on another set or by comparison with another pair on one's own set. The grid-leak is often a source of noise. Once the trouble has been traced to this it is easily remedied.

A Melbourne writer says: "It is not too much to say that not only are we nearing perfection in broadcasting and its reception, but we stand on the threshold of an entirely new era. 1928 will see the establishment of a regular service of Empire and world broadcasting, and this will be made feasible entirely through the medium of super-power on the ultra-short waves. Hitherto we have been accustomed to regard reception of European and American stations as exceptional. Before the end of the year we shall hear broadcasting from all parts of the world as easily and regularly as we are now accustomed to hearing our own Australian stations. This is no idle forecast, but it is based on what we already know, and on what has been done by our experimenters, amateur and official, and particularly on the good work done by that now famous Dutch station, PCJJ, Bindloven, Holland, notably in the re-broadcasting of British, French, and German programmes. These have been received easily and regularly in Australia for at least six months on PCJJ's wave of 30.2 metres."

The British short-wave amateur, Mr. Gerald Marcuse, is now broadcasting regularly as follows:—Sundays: 6 a.m.—8 a.m.; 4 p.m.—5 p.m.; and 6 p.m.—8 p.m. Wednesdays and Fridays at 11 p.m.—1 a.m. (Thursday and Saturday). On Tuesdays he is giving a broadcast at 6 a.m. All the times given are Greenwich mean time. Mr. Marcuse's call is 2NM, and he over-

- 9.50: Bass solos—Mr. E. G. Bond, (a) "Glorious Devon" (German); (b) "Little Girl From Hanley Way" (Connings-Clarke).  
10.0: God Save the King.

## Friday, March 30th

### 1YA AUCKLAND (333 METRES)—FRIDAY MARCH 30.

- 3 p.m.: Afternoon session—Selected studio items.  
4.0: Literary selection by the announcer.  
4.30: Close down.  
6.0: Children's hour, conducted by Nod.  
7.15: Talk on "Motoring" by Mr. George Campbell.  
8.0: Chimes.  
8.1: Relay of orchestral overture from Rialto Picture Theatre Orchestra, under the conductorship of Mr. Henry C. Engel.  
8.16: Vocal quartet—Madame Mary Towsey Quartet, "Three Fishers" (Hullah).  
8.20: Instrumental quartets—Le Pali Quartet, (a) "Rigoletto" (MS.); (b) novelty fox-trot: (c) "Hawaiian Melodies" (MS.).  
8.27: Baritone solo—Mr. John Bree, "From Oberon in Fairyland" (Slater).  
8.31: Instrumental trio—Bosworth-Hemus-Towsey Trio, "Trio in D Minor, Op. 49, 2nd Movement" (Mendelssohn).  
8.40: Contralto solo—Miss Gwenyth Evans, "A Glimpse" (Clifton Boanes).  
8.47: Elocutionary—Mr. J. F. Montague, "The Wedding Day" (Anon).  
8.52: Tenor solo—Mr. Reginald Newbury, "Margarita" (Lohr).  
8.56: Violin solos—Miss Ina Bosworth, (a) "Humoresque" (Dvorak); (b) "Berenice" (Handel).  
9.1: Soprano solo—Madame Mary Towsey, "A Feast of Lanterns" (Bantock).  
9.5: Evening forecast.  
9.7: Relay of orchestral interlude from Rialto Theatre.  
9.22: Baritone solo—Mr. John Bree, "So Fair a Flower" (Lohr).  
9.26: Contralto solo—Miss G. Evans, "Still As the Night" (Bohm).  
9.30: Instrumental quartets—Le Pali Quartet, (a) "Hula Medley" (MS.); (b) "Popular Melodies" (MS.).  
9.37: Tenor solo—Mr. R. Newbury, "I Heard You Go By" (Wood).  
9.41: Comedy sketch—Mr. J. F. Montague and partner, "A Case of Guns!" (Anon).  
9.47: Soprano solo—Madame Mary Towsey, "Vorrei" (Tosti).  
9.50: Instrumental trio—Bosworth-Hemus-Towsey Trio, "Valse Des Fleurs" (Tschai-kowsky).  
10.0: Vocal quartet—Madame Mary Towsey Quartet, "Brightly Dawns Our Wedding Day" (Sullivan).  
10.4: God Save the King.

### 2YA WELLINGTON (420 METRES)—FRIDAY, MARCH 30.

- 3 p.m.: Chimes of the G.P.O. clock.  
3.1: Selected gramophone items.  
3.30: Lecture on "Gas Cooking" by Miss Marion Christian, of the Wellington Gas Company.  
3.45: Selected gramophone items.  
5.0: Close down.  
6.0: Children's session—Uncle Ernest, assisted by cousins from the Hataitai Methodist Sunday School. Choruses, duets, songs and sketches, birthday greetings and stories.  
7.0: Chimes of the G.P.O. clock.  
7.40: Lecture on "Kennel Management," by Miss M. S. Christmas (under the auspices of S.P.C.A.).  
8.0: Chimes of the G.P.O. clock.  
8.1: Overture—"Pique Dame" (Suppe).  
8.5: Vocal quartet—Apollo Singers, "O Hush Thee, My Baby" (Sullivan).  
8.10: Hawaiian duos—Messrs. Berthold and Bent, (a) "Misereere Scene" from "Il Trovatore" (Verdi); (b) "My Blue Heaven" (Donaldson).  
8.17: Contralto solos—Miss Hilda Chudley, (a) "Bring Her Again, O Western Wind" (Ronald); (b) "Deep River" (Burleigh).  
8.24: Instrumental trio—Symons-Ellwood-Short Trio, "Finale From Trio in D Minor" (Mendelssohn).  
8.34: Baritone solo—Mr. S. E. Rodger, "Corporal's Ditty" (Squire).  
8.39: Pianoforte solo—Mr. Gordon Short, "Nocturne in F Sharp Major" (Chopin).  
8.44: Novelty—The Two Boiled Owls, "Just a Melody" (Dai Hart and Robison).  
8.51: Soprano solos—Miss Mona Goodwill, (a) "Unfolding" (Lehmann); (b) "Lovers in the Lane" (Lehmann).  
8.58: Lecture on "Imperial Affairs," by the Editor-Announcer.  
9.13: Weather forecast.  
9.14: Hawaiian duos—Messrs. Berthold and Bent, (a) "Blue Skies" (Berlin); (b) "Russian Lullaby" (Berlin).  
9.19: Vocal duet—Miss Chudley and Mr. Robins, "I Wish I Were a Tiny Bird" (Lohr).  
9.24: Instrumental trio—Studio Trio, "Spanish Dances" (Moszkowski).  
9.34: Tenor solos—Mr. E. W. Robins, (a) "Temple Bells" (Woodford Finden); (b) "Less Than the Dust" (Woodford Finden).  
9.41: Pianoforte solo—Mr. Gordon Short, "Study in A Flat" (Chopin).  
9.46: Contralto solo—Miss Hilda Chudley, "Sylvan" (Ronald).  
9.51: Humorous sketch—The Two Boiled Owls, "2 B.A.D." (original).  
9.58: Vocal quartet—Apollo Singers, "A Night of Love" (Spier).  
God Save the King.

### 3YA CHRISTCHURCH (306 METRES)—FRIDAY, MARCH 30.

- 3 p.m.: Afternoon concert session—Selected studio items.  
4.30: Close down.  
6.0: Children's session—Big Brother and Aunt Pat, assisted by a large party of Boy Scouts under Major Ashworth. Songs, stories and birthday greetings.  
7.15: News session.  
7.30: Talk on "Adult Education" by Mr. Geo. Manning, Dominion Secretary of the W.E.A.  
8.0: "Rhapsody Gymraeg"—Welsh concert by Miss Frances Hamerton's Melodious Four, assisted by Christchurch Broadcasting Trio—Miss Lucy Cowan (elocutionist), and Mr. R. Ohlson (cornetist).  
—Welsh vocal mixed quartet—Melodious Four (solo and chorus), "Mae Hen Wlad fy Nhadau" (Welsh National Anthem, arr. Owain Alan).  
Soprano solo—Miss Frances Hamerton, L.A.B., "The Rising of the Lark" (Welsh, arr. Owain Alan).  
Cornet solos—Mr. R. Ohlson, Welsh airs (M.S.).  
Bass solo—Mr. T. D. Williams, "Yr Ornest" (Davies).  
Soprano and contralto duet—Miss Frances Hamerton and Miss Belle Renault, "I Saw a Tiny Streamlet" (arr. Owain Alan).  
Instrumental trios—Christchurch Broadcasting Trio, (a) "Trio No. 6—Allegro, Andante" (Bohm); (b) "Turkish March".  
Tenor solo—Mr. Russell Sumner, "Winnie Dear" (arr. Owain Alan).  
Violin solo—Miss Irene Morris, selected.  
Contralto solo (Welsh)—Miss Belle Renault, "Over the Stone" (arr. Owain Alan).  
Humorous recitation—Miss Lucy Cowan, "A Welsh Classic" (Ballard).  
Mixed vocal quartet—Melodious Four, "Hang Fear, Cast Away Care" (Parry).  
Weather forecast.  
Cornet solos—Mr. R. Ohlson, "Welsh Melodies" (M.S.).  
Bass solos (Welsh)—Mr. T. D. Williams, (a) "The Spade Head" (Welsh Penillion, arr. Owain Alan); (b) "Morfa Rhuddlan" (arr. Owain Alan).  
Contralto and bass duet—Miss Belle Renault and Mr. T. D. Williams, "Old Morgau and His Wife" (arr. Owain Alan).  
Instrumental trios—Christchurch Broadcasting Trio, (a) "Idylle" (Perishou); (b) "Valse des Fleurs," from "Nutcracker Suite" (Tschai-kowsky).  
Tenor solos (Welsh)—Mr. Russell Sumner, (a) "The Gentle Bird" (arr. Owain Alan); (b) "Men of Harlech" (arr. Owain Alan).  
Violin solo—Miss Irene Morris, selected.  
Contralto solos (Welsh)—Miss Belle Renault, (a) "The Ashgrove" (arr. Owain Alan); (b) "All Through the Night" (arr. Owain Alan).  
Dramatic recital—Miss Lucy Cowan, "A Song of the Welsh" (Prys-Jones).  
Mixed vocal quartet—Melodious Four, "Hob y Deri Dando" (arr. Owain Alan).  
God Save the King.

### 4YA DUNEDIN (463 METRES)—FRIDAY, MARCH 30.

- 3 p.m.: Town Hall chimes.  
3.1: His Master's Voice recital.

**NOW** You can listen to the distant voices of the world!

RIGHT IN YOUR OWN HOME.

—The thrilling voice from old England.  
—Quaint song and speech from Holland.  
—Weird words and music from Soviet Russia.  
—Peculiar jazz and queer quips from America.

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