Programmes Continued

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10.5: Quartet-Walata Quartet, "Brightly Dawns Our Wedding Day" from 8.23: Tenor solo-Mr. Arthur Ripley, "Bird of Love Divine" (Chadwick).

"The Mikado" (Sullivan). 10.9: A thought.

10.11: God Save the King.
9.54: Vocal duet—Messrs. Simpson and Sutherland, "Watchman, What of the Night?" (Sargeant).

2YA WELLINGTON (420 METRES)-FRIDAY, FEBRUARY 10,

J p.m.: Chimes of the General Post Office clock, Wellington.

3.1: Selected gramophone items.
4.0: Lecturette—Miss M. Christian, of the Wellington Gas Company, on "Gas Cooking."

4.15: Selected gramophone items.

Close down.

Children's hour.

6.0: Children's hour.

7.0: News session, market reports, and sports results.

8.0: Chimes of the General Post Office clock, Wellington.

8.1: Overture—"Sextet from Lucia di Lammermoor" (Donizetti).

8.5: Vocal quartet—Celeste Quartet, "Dame Durdan" (Dicks).

8.9: Recital—Miss Mavis Rolls, "The Ballad of a Barber" (Beardsley).

8.14: Soprano solo—Miss Myra Sawyer, "Spring's Awakening" (Sanderson).

8.18: Instrumental trio—Symons-Eilwood-Short Trio, "First Movement, F

Major Trio" (Saint-Saens).

8.28: Vocal duet—Miss Myra Sawyer and Mr. William Boardman, "Come, Sing to Me" (Thompson).

8.32: Italian mandolin—Mr. Lad Haywood, "There's Everything Nice About

You. 8.36: Song at the piano-Mr. H. Montgomery, "Let's Grow Old Together"

8.36: Song at the pland—M1. In Monagement, (Bob Nelson).

8.40: Pianoforte solo—Mr. Gordon Short, "Berceuse" (Chopin).

8.44: Contralto solo—Miss Mabel Dyer, "Look Down, Dear Eyes" (Fisher).

8.48: Hits and harmonies—The Glad Idlers, (a) "There's a Trick in Picking a Chicken" (Robinson); (b) "Under the Bazunka Tree" (Lee). 8.56: Weather forecast.

8.57: Lecturette-Editor-Announcer, "Imperial Affairs."

9.10: Vocal trio—Soprano, tenor and baritone members of Celeste Quartet,
"Ever of Thee."
9.14: Instrumental trio—Symons-Ellwood-Short Trio, "Finale from Bache

9.14: Instrumental trio—Symons-Ellwood-Short Trio, "Finale from Bache Trio" (Bache).

9.22: Tenor solo—Mr. Edgar Swain, "Here's to Love" (Reubens).

9.26: Humorous recitals—Miss Mavis Rolls, (a) "Little Wild Baby" (Jouvier); (b) "Father's Dress Suit" (Roberts).

9.34: Italian mandolin—Mr. Lad Haywood, (a) "Kiddie Land" (Johnson); (b) "On the Curb" (Johnson).

9.40: Song at the piano—Mr. H. Montgomery, "Poor Papa" (M.S.).

9.44: Bass solo—Mr. William Boardman, "Shipmates o' Mine" (Sanderson).

9.48: Hits and harmonies—The Glad Idlers, (a) "Take Your Finger Out of Your Mouth" (M.S.); (b) "Medley of Popular Hits."

9.56: Vocal quartet—Celeste Quartet, "Killarney" (Balfe).

3YA CHRISTOHURCH (306 METRES)—FRIDAY, FEBRUARY 16.

3 p.m.: Afternoon session-Selected Studio items.

4.30: Close down. 6.0: Children's hour-Big Brother Bedtime stories, songs, and birthday greetings. 7.15: News and reports.

8.0: Chimes. Relay of orchestral selections from Crystal Palace Picture
 Theatre Orchestra, under the direction of Mr A. J. Bunz.
 8.15: Vocal quartet—The Melodious Four, "The Sea Hath Its Pearls" (Fin-

suti).

8.19: Tenor solo—Mr. Russell Sumner, "Red Devon by the Sea" (Clarke).
8.23: Instrumental trio—Christchurch Broadcasting Trio, "Adagio and Rondo from Trio in A Flat" (Haydn).
8.33: Contralto solo—Miss Belle Renaut, "Ferry Me Across the Water"

(Romer).

2.37: Humorous recital—Mr. H. Instone, "The Braes System" (Wood).

2.42: Soprano and contralto duet—Miss Frances Hamerton, L.A.B., and Miss Belle Renaut, "T Loved a Lass" (Williams).

3.46: Violin solo—Miss Irene Morris, "Valse Triste" (Sibelius).

3.51: Baritone solos—Mr. T. D. Williams, (a) "War Song" (Elgar); (b)

"Devonshire Cream and Cider" (Sanderson).

8.58; Weather report. 9.0: Relay of orchestral selections from Crystal Palace Theatre.
9.15: Soprano solo—Miss Frances Hamerton, L.A.B., "The Blackbird's Song"

(Scott), 9.18: Violin solo—Miss Irene Morris, "Souvenir" (Drdla).

9.18: Violin solo—Miss Irene Morris, "Souvenir" (Drdla).
9.23: Tenor solos—Mr. Russell Sumner, (a) "I Know of Two Bright Eyes" (Cadman); (b) "When My Ships Come Sailing Home" (Doret).
9.29: Humorous talk—Mr. H. Instone, "Housee Painting" (own version).
9.34: Contralto solos—Miss Belle Renaut, (a) "In Summer Fields" (Brams); (b) "An Indian Lullaby" (Morgan).
9.40: Instrumental trios—Christchurch Broadcasting Trio, (a) "Reverie du Soir" (St. Saens); (b) "Humoresque" (Widor).
9.50: Soprano solos—Miss Frances Hamerton, L.A.B., (a) "Over the Mountains" (Quilter); (b) "How the Holly Got Its Thorns" (Besley).
9.55: Baritone solo—Mr. T. D. Williams, "The Descert" (Emanuel).
9.59: Vocal quartet—The Melodious Four, "I Saw Lovely Phyllis" (Bevan).
10.2: Tenor and baritone duet—Messrs. Russell Sumner and T. D. Williams, "Love and War" (Cooke).
God Save the King. God Save the King.

4YA DUNEDIN (463 METRES)-FRIDAY, OCTOBER 10,

p.m.: Town Hall chimes. 3.1: His Master's Voice recital.
3.15: Afternoon tea music from the Savoy.

3.30: Studio music.

4.15: His Master's Voice recital.

4.30: Close down.
6.0: Town Hall chimes. Children's hour—Big Brother Bill, assisted by youthful entertainers. 7.15: News session.

7.30: Talk on books by Mr. H. Greenwood, librarian of the Dunedin Athenaeum.
8.0: Town Hall chimes.
8.1: Bass solos—Mr. J. B. Macpherson, (a) "Invictus" (Huhn); (b) "Long Ago in Alcala" (Messager).
8.8: Pianoforte solo—Miss A. D. Allan, "Introduction and Fugato" (Harris).
8.13: Tenor and solo—Mr. L. E. Dalley, "Lolita" (Buzzi-Peccio).
8.17: Recital—Miss Sheila Neilson, "The Norman Baron."
8.22: Scornes and Miss Baron. "The Norman Green With Miss Ago (Scornes).

8.17: Recital—Miss Sheila Neilson, "The Norman Baron."
8.22: Soprano solo—Miss Roma Buss, "The Wind" (Spross).
8.26: Pianoforte solo—Miss A. D. Allan, "Romanze" (Sibelius).
8.32: Mezzo-soprano solos—Miss Mollie Andrews, (a) "All Through the Night" (Somerville); (b) "Love's Garden of Roses" (Wood).
8.38: Recital—Miss Sheila Neilson, "Old Perriot."
8.43: Pianoforte solo—Miss A. D. Allan, "Sonata" (Scarlatti).
8.48: Bass solo—Mr. J. B. Macpherson, "Prologue, from Pagliacci."
8.53: Soprano solos—Miss Roma Buss, (a) "Yet, Ah, That Spring Should Vanish" (Whiting); (b) "Sing, Joyous Bird" (Phillips).
9.0: Recital—Miss Sheila Neilson, "The Serial Story."
9.5: Tenor solos—Mr. L. E. Dalley, (a) "O, Mistress Mine" (Quilter); (b) "Fair, House of Joy" (Quilter).
9.12: Mezzo-soprano solos—Miss Mollie Andrews, "Scottish Bluebells."
9.16: Dance music relayed from the Savoy.

9.16: Dance music relayed from the Savoy.

10.0: Close down.

Saturday, February 11th

1YA AUCKLAND (333 METRES)—SATURDAY, FEBRUARY 11.

3 p.m.: Afternoon session-Selected Studio items, 4.0: Literary selection-Mr. Culford Bell.

4.30: Close down.
6.0: Children's hour—Cinderella. Bedtime stories, letters, birthday greetings. Nursery rhyme competition. Talk and jokes by Genial Jimmy.

7.15: News and sports results. 8.0: Chimes.

8.1: Relay of orchestral selections from Rialto Theatre Orchestra, under the direction of Mr. Henry C. Engel.

8.16: Vocal quartets—Lyric Quartet, (a) "Loyely Night" (Chantal); (b) "My Banjo" (Parkes).

8.27: Instrumental-Penny's Orchestra, (a) "Tripoli"; (b) "Hawaiian Eyes." 8.34: Bass solo-Mr. Ernest Thomas, "Tally Ho" (German).

8.39: Humorous recital-Mr. Alan McElwin, "Humorous Diversion."

8.44: Relay of orchestral selections from Rialto Theatre.

8.59: Weather forecast.

9.1: Vocal quartets—Lyric Quartet, (a) "Oh, Miss Hannah" (Adams); (b) "Deep River" (Parkes).

9.7: Tenor solo—Mr. Herbert Richards, "Pagan" (Lohr).
9.11: Instrumental—Penny's Orchestra, (a) "Pau o Lula"; (b) "Hawaiian Selections.

9.16: Humour-Mr. Alan McElwain, "More Merry Moments." 9.21: Vocal quartet—Lyric Quartet, (a) "Aloha Ou" (Fennell); (b) "Honolulu Eyes" (Fennell).

9.27: Relay of dance music from Dixieland Cabaret. The Internationals, under Mr. Clyde Howley. 11.0: God Save the King.

Circumstances permitting, a portion of the above programme will be omitted, and will be replaced by a rebroadcast of a special programme from 2YA, Wellington.

2YA WELLINGTON (420 METRES)-SATURDAY, FEBRUARY 11.

SPECIAL EDISON EVENING.

n.m.: Afternoon session-Selected Studio items. 0; Close down.

6.0: Children's hour.

7.0: News session, market reports, and sports results.
8 p.m.: Chimes of the General Post Office clock, Wellington.
8.1: Overture—First Battalion, Wellington Regiment Band, "Stars and Stripes Forever" (Sousa).

8.5: Introductory announcement.
8.6: Quartet—Melodie Four, (a) "Doan Ya Cry, Ma Honey" (traditional);
(b) "Cornfields Medley" (traditional).
8.13: Trio—Symons-Ellwood-Short Trio, "Characteristic" (Hadley).

8.13: Trio—Symons-Eilwood-Short Trio, "Characteristic" (Hadley).
8.20: Chorus—Wellington Orpheus Musical Society, "Battle Hymns of the Republic"; (b) "Hail, Columbia" (Phyla).
8.28: Violin—Miss Ava Symons, "Alabama" (Spalding).
8.32: American humour—Mr. Vernon Oswin, "Melodrama," by Dr. Oliver Wendell Holmes; and "Sargasso Sea," by McIntosh.
8.39: Song at piano—Mr. Billy Hart, "Where Does Daddy Go?" (Williams).
8.43: Selection—Wellington Regiment Band, "American Airs" (Greenwood).
8.47: Speech—Sir Frederick Chapman, president of the English-Speaking Union, "An Eulogy of Thomas Edison, the Great Inventor."
9.0: Soprano solo—Miss Gretta Stark, "At Dawning" (Cadman).
9.4: March—Wellington Regiment Band, "Manhattan Beach" (Sousa).
9.9: Speech—Mr. W. L. Lowrie, American Consul-General, "Response to Sir Frederick Chapman."

Frederick Chapman." 9.20: Chorus—Wellington Orpheus Musical Scoicty, "Swrod of Deliverance," Solo—Miss Lily Mackie, "Agnus Dei." Chorus—"Song of the Marching Men" from "The New Earth" (Henry

Hadley). 9.32: Address, with musical honours-Mr. Thomas A. Edison, "Message 9.36: Address, with musical honours—Mr. Thomas A. Edison, "Message specially recorded for New Zealand listeners on the occasion of his eighty-first birthday."
9.36: Quartet—Melodie Four, "Yankee Rose" (arr. Frank Crowther).
9.40: Piano—Mr. Gordon Short, "Keltic Sonata" (McDowell).
9.49: Humour—Mr. Byron Brown, "Our Guide in Rome" from "The Innocents Abroad" (Mark Twain).
9.56: Song at piano W. Dilly Harry at the Critical College.

Abroad" (Mark Twain).

9.56: Song at piano—Mr. Billy Hart, "And a Little Child" (Harris).

10.0: Reverfe—Wellington Regiment Band, "Bells at Sunset" (McKenzie).

10.6: Chorus—Wellington Orpheus Musical Society, "Dixie."

10.12: 'Cello solo—Mr. Geo. Ellwood, "Serenata" (Baron).

10.17: Massed voices—"Yankee Doodle" (traditional).

10.22: March—Wellington Regiment Band, "Double Eagle" (J. F. Wagner).

(At the conclusion of the above programme, prominent American residents will give a series of old-time songs and choruses.)

3YA CHISTCHURCH (306 METRES)-SATURDAY, FEBRUARY 11.

6 p.m.: Children's hour-Uncle Sam and Aunt May. Bedtime stories and birthday greetings.

7.15: News and reports.

7.30: Sports results. 7.55: Circumstances permitting, the special programme which is being broadcast from 2YA, Wellington, in celebration of the eighty-first birth-day of Thomas A. Edison, the world-renowned inventor, will be received and rebroadcast.

(See detailed programme for 2YA, Weilington, February 11, 1928.)

4YA DUNEDIN (463 METRES)—SATURDAY, FEBRUARY 11,

7.30: Address on "Interior Decoration," by Miss M. Pucchegud. 8.0: Town Hall chimes.

8.1: Light orchestral music relayed from the Empire Theatre Orchestra, under the direction of Mr. Chas. Parnell. 8.11: Tenor solos—Mr. Dan Fogarty, (a) "Green Isle of Erin" (Roechel);
(b) "Mother Machree" (Ball).

8.18: Violin solo—Miss Eva Judd, "Andante and Allegro from Sonata in B

Minor" (Bach). 8.23: Pianoforte solo-Miss Muriel Caddie, "Chant Polonaise No. 5" (Chopia-Liszt)

8.28: Soprano solo-Miss Edith Morrison, "Waltz Song" from "Tom Jones" (German). 8.33: Cornet solo-Mr. George Christie, "Shylock" (Lear).

(German).

8.33: Cornet solo—Mr. George Christie, "Shylock" (Lear).

8.39: Humorous songs—Mr. Percy James. (a) "I Think of You" (Weston); (b) "The Egg" (Newman).

8.46: Relay of orchestral music from the Empire Theatre.

8.50: Mezzo-soprano solo—Miss Mollie Vickers, "Fierce Flames are Soaring" from "II Trovatore" (Verdi).

9.1: Violin solo—Miss Eva Judd, "Serenata" (Moscovich).

9.5: Tenor solo—Mr. Dan Fogarty, "Macushla" (Macmurrough).

9.8: Pianoforte solo—Miss Muriel Caddie, "Minuet" (Grieg).

9.13: Cornet solo—Mr. George Christie, "Intermezzo" (Mascagni).

9.17: Soprano solo—Miss Edith Morrison, (a) "On the Banks of Allan Water." (b) "I've Been Roaming."

9.24: Violin solo—Miss Eva Judd, "Minuet" (Vieutempo).

9.31: Humorous song—Mr. Percy James, "On the Piano" (Arthur).

9.35: Pianoforte solo—Miss Muriel Caddie, "Sonata in E Flat, Op. 27, No. 1" (first movement) (Beethoven).

9.41: Cornet solo—Mr. George Christie, "Lucille" (Code).

9.48: Mezzo-soprano solos—Miss Mollie Vickers, (a) "Sigh no More, Ladies" (Keel); (b) "Song of Thanksgiving."

9.54: Relay of orchestral music from the Empire Theatre, 10.0: Close down.

10.0: Close down.

Sunday, February 12th

1YA AUCKLAND (333 METRES)—SUNDAY, FEBRUARY 12.

p.m.: Afternoon session-Selected Studio items. 4.0: Literary selection by Mr. Culford Bell.

4.30: Close down. 6.0: Children's song service, conducted by Uncle Lea, assisted by scholars of

the Auckland Baptist Sunday School Choir.

6.55: Relay of church service from St. David's Church. Preacher, Rev. D. C. Herron; organist, Mr. E. C. Craston.

8.15: Vocal quartet—St. Andrew's Quartet, "Abide With Me" (Thompson).

8.19: Tenors solo—Mr. Robert Peter, "Believe Me If All" (traditional).

8.24: Contralto solo—Miss Phyllis Gribben, selected.

8.28: Instrumental trio—Bosyorth-Hemms-Toysey Trio "Trio On 56—Allegro

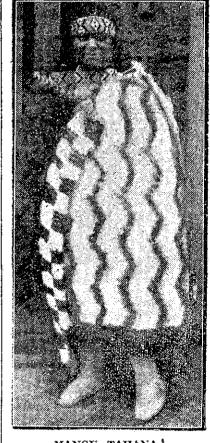
8.28: Instrumental trio—Bosworth-Hennis-Towsey Trio, "Trio, Op. 56—Allegro and Andante" (Reissiger). 8.37: Vocal Quartet-St. Andrew's Quartet, "God So Loved the World"

(Stainer). 8.42: Bass solo-Mr. Arthur Colledge, "The Lord Worketh Wonders" (Handel).

radio signals is affected by temperature conditions, according to conclusions reached over a year ago by Dr. L. W. Austin and Miss Wymore, of the Bureau of Standards. In order to eliminreau of Standards. In order to eliminate as far as possible the influence of meteorological phenomena, stations between 125 and 190 miles distant were chosen for the experiments. A greater distance would be subject to the influence of other conditions which would complicate the analysis, while a shorter distance, on the other hand, would not show the influence of weather changes to a sufficient degree to make for realto a sufficient degree to make for reli-able observation. A study of extensive data revealed that, when the temperature rises along the signal path, there is a tendency for the signal strength to fall and, conversely, a falling teniperature produces a stronger signal. It should be recognised, however, that this is only one of the many influences which determine signal strength.

Radio engineers are continuously investigating the mysterious causes of the variation of signal strength in broadcast reception. The intensity of

kadio waves travel through space with the speed of light—300,000.000 metres, or about 186,500 miles per second. Sound travels through the air at the speed of a little less than 1100 feet a second. Through water sound travels four times faster, and through iron or steel nearly fifteen times as quickly.



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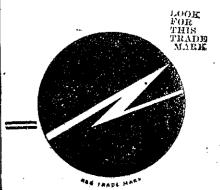
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(CONTINUED ON PAGE 15.)