

Programmes Continued

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- 6.0: Children's hour—Uncle Ernest. Gramophone selections for the kiddies. Violin solo, Cousin Orma, "Romance" (Jensen). Uncle Ernest sends birthday greetings. Pianoforte solo, Cousin Daphne, "Country Prices" (Quilter). Recitations, Cousin Zenocrate, (a) "The West Wind" (Masefield), (b) "Matilda's Music Lesson." Violin solos, Cousin Muriel, (a) "Petite Rhapsody Hongroise" (Brahms), (b) "Chanson, Louis XIII, and Pavane" (Kreisler). Humorous sketches, Cousin Natalie, (a) "The Bald-headed Man," (b) "Her First Party." Uncle Ernest, story time. Gramophone selections.
- 7.0: News session, market reports, and sports results.
- 7.40: Lecturette—Mr. D. G. Paris, of Wellington Centre, A.A.A., "Athletics."
- 8.0: Chimes of the General Post Office clock, Wellington.
- 8.1: Overture—"Evening Bells, Idyll, Op. 98" (Eilenberg).
- 8.5: Drawing-room evening by Miss Gwen Shepherd and party. Sextet—The company, "Click, Cluck" (Scott-Gatty).
- 8.12: Baritone solo—Mr. R. S. Allwright, "Four Jolly Sailors" (German).
- 8.16: Mezzo-soprano solos—Miss Alma Clegg, (a) "Ferry, Ahoy" (Brewer); (b) "If No One Ever Marries Me" (Lehmann).
- 8.20: Instrumental trio—Symons-Ellwood-Short Trio, "First Movement" from "Trio in D Minor" (Arensky).
- 8.30: Tenor solo—Mr. W. McKeon, "Myself When Young" (Lehmann).
- 8.34: Musical monologues—Miss Gwen Shepherd, (a) "Earthenware" (West-ern); (b) "Life" (Reynolds).
- 8.38: Violin solo—Miss Ava Symons, "On Wings of Song" (Mendelssohn-Achorn).
- 8.44: Contralto solo—Mrs. Fred. Collins, "The Little Blue Bay" (Del Riego).
- 8.47: Humorous recital—Mr. W. McKeon, "Monty: The Near East."
- 8.52: Baritone solo—Mr. Claude Moss, "To-morrow" (Keel).
- 8.56: Weather forecast.
- 8.57: Lecturette—Editor-Announcer, "Foreign Affairs."
- 9.12: Contralto solo—Mrs. Fred. Collins, (a) "Robin Adair" (Bond); (b) "An Eastern Lullaby" (Ring).
- 9.17: Instrumental trio—Symons-Ellwood-Short Trio, "Elegie" (Arensky).
- 9.27: Baritone solo—Mr. Claude Moss, "An Old French Toast."
- 9.31: Elocutionary—Miss Gwen Shepherd, "A Novel to be Read in Five Minutes."
- 9.35: Violin solo—Miss Ava Symons, "Savourneen Dellish" (Easthope Martin).
- 9.41: Mezzo-soprano solo—Miss Alma Clegg, "Boat Song" (Ware).
- 9.45: Humorous recital—Mr. W. McKeon, "The Collection."
- 9.51: Baritone solo—Mr. R. S. Allwright, "The Rooster" (Wells).
- 9.56: Sextet—The company, "Funiculi Funicula" (Denza).
- God Save the King.

3YA CHRISTCHURCH (306 METRES)—FRIDAY, JANUARY 6.

- 3 p.m.: Afternoon session—Selected Studio items.
- 4.30: Close down.
- 6.0: Children's hour—Big Brother. Bed-time stories, music, birthday greetings.
- 7.15: News and reports.
- 8.0: Chimes. Relay of orchestral selections from Crystal Palace Theatre Orchestra, under the direction of Mr. A. J. Bunz.
- 8.15: Tenor solo—Mr. Russell Sumner, "Serenade" (Schubert).
- 8.19: Contralto solo—Miss Belle Renaud, "Ashoo at Her Lattice" (Finden).
- 8.22: Instrumental trio—Christchurch Broadcasting Trio, "Andante Con Moto Tranquillo and Scherzo" from "Trio, Op. 49" (Mendelssohn).
- 8.32: Tenor solo and chorus—Mr. Russell Sumner and Misses Hamerton and Renaud, and Mr. Williams, "A Soldier's Scarlet Coat" (German).
- 8.36: Humorous recital—Miss Naare Hooper, L.T.C.L., "The Munt's Notes" (Bradshaw).
- 8.40: Soprano solos—Miss Frances Hamerton, L.A.B., (a) "Ah! Willow"; (b) "Shepherd, Thy Demeanour Vary" (Old English melodies), (Lane Wilson).
- 8.45: Cello solo—Mr. Harold Beck, "Nocturne, Op. 19, No. 4" (Tschaiakowsky).
- 8.50: Baritone solo—Mr. T. D. Williams, "My Abode" (Schubert).
- 8.53: Contralto solo—Miss Belle Renaud, "Sleep Song" (Scott).
- 8.56: Vocal quartet—Misses Hamerton and Renaud and Messrs. Sumner and Williams, "O, Maiden Dearest" (Brahms).
- 9.0: Relay of orchestral selections from Crystal Palace Theatre.
- 9.15: Tenor solo—Mr. Russell Sumner, "Love Beneath the Moon" (Drigo).
- 9.19: Instrumental trio—Christchurch Broadcasting Trio, "Trio in Canon Form" (Coerne).
- 9.26: Vocal duet (contralto and baritone)—Miss Belle Renaud and Mr. T. D. Williams, "Nocturne" (Chaminade).
- 9.31: Recitals—Miss Naare Hooper, L.T.C.L., (a) selection from "The School for Scandal" (Sheridan); (b) "Matilda" (Belloc).
- 9.37: Soprano solo—Miss Frances Hamerton, (a) "A Pastoral" (Wilson); (b) "I'll Rock You to Sleep" (Stanford).
- 9.44: Instrumental trio—Christchurch Broadcasting Trio, "Rondo Alla Turca" (Mozart).
- 9.48: Baritone solos—Mr. T. D. Williams, (a) "Brian of Glenaar" (Graham); (b) "I Heard Your Voice" (Forester).
- 9.56: Cello solo—Mr. Harold Beck, "Minuet" (Mozart).
- God Save the King.

4YA DUNEDIN (463 METRES)—FRIDAY, JANUARY 6.

- 3 p.m.: Afternoon session—Selected Studio items.
- 3.1: His Master's Voice recital.
- 3.15: Address by Miss Sproston, of the D.I.C., "The Heavy Woman's Problem."
- 3.30: Afternoon tea music from the Savoy.
- 3.45: Studio music.
- 4.0: Music from the Savoy.
- 4.15: His Master's Voice recital.
- 4.30: Close down.
- 6.0: Town Hall chimes. Children's session—Big Brother Bill. Mr. Jesse Benfell will show how animals talk to each other. Little Brother Ken will talk about "Boys' Rights," and Sister Olive sings some nursery rhymes. The "Happy Ditty" begins things, of course, letters and birthdays follow, and last, but not least, Big Brother Bill's family goes for a trip in the Wonder Car.
- 7.0: Close down.
- 7.15: News session.
- 7.30: Address on "The Recent Tour of the New Zealand Cricketers in Great Britain," by Mr. R. C. Blunt.
- 8.0: Town Hall chimes.
- 8.1: Tenor solos—Mr. Les. Dalley, (a) "The Boat Song" (Ware); (b) "Mignon" (d'Hardelot).
- 8.7: Pianoforte solo—Mrs. W. Munro, "Sonata, Op. 78, Second Movement" (Beethoven).
- 8.12: Soprano solo—Miss Roma Buss, "Linden Lea" (Barnes).
- 8.16: Recital—Miss Sheila Neilson, "The Ford."
- 8.20: Bass solo—Mr. J. B. Macpherson, "Old Barty" (Grant).
- 8.24: Pianoforte solo—Mrs. W. Munro, "Nocturne in E Flat, No. 2" (Chopin).
- 8.30: Mezzo-soprano solos—Miss Mollie Andrews, (a) "The Quail" (Beethoven); (b) "The Lilac Tree" (Gartlan).
- 8.37: Recital—Miss Sheila Neilson, "Cautionary Tales" (Belloc).
- 8.42: Tenor solo—Mr. Les. Dalley, "Ah! Moon of My Delight" (Lehmann).
- 8.47: Pianoforte solo—Mrs. W. Munro, "Caprice."
- 8.52: Soprano solos—Miss Roma Buss, (a) "One Morning Very Early" (Sanderson); (b) "Damon" (Strange).
- 8.59: Recital—Miss Sheila Neilson, "The Useful Cat."
- 9.4: Bass solos—Mr. J. B. Macpherson, (a) "The Windmill" (Nelson); (b) "The Lute Player" (Allitsen).
- 9.11: Mezzo-soprano solo—Miss Mollie Andrews, "The Spinning Wheel" (Schubert).
- 9.15: Dance music relayed from the Savoy.
- 10.0: Close down.

Saturday January 7th

1YA AUCKLAND (333 METRES)—SATURDAY, JANUARY 7.

- 3 p.m.: Afternoon session—Selected Studio items.
- 4.0: Literary selection by Mr. Culford Bell.
- 4.30: Close down.
- 6.0: Children's hour.
- 7.0: Close down.
- 7.15: News and sports results.

The experimenter is not always the proud possessor of a power valve, and yet he has often desired one. A reasonable substitute for a power valve in the last stage of audio amplification can be found in connecting up two ordinary 201-A type valves, with their plate and grid elements in parallel. In other words, an extra 201-A valve is connected to the plate and grid terminals of the last audio frequency amplifying valve. The filament of the extra valve is connected to the "A" battery in the regular manner through a ballast resistor or rheostat.

According to an American writer, a school requires a larger and better radio outfit than many private residences have, and the use of one of the latest and best receivers in a school creates a demand for better sets in the homes of the pupils. The adoption of radio by a school also influences these conservative persons who wait until a new article or method is well established before investing in it.



Photo, Elizabeth Greenwood.
MISS NGAIRE COSTER.
Miss Ngaire Coster is a mezzo-contralto singer who will be heard with the Ariel singers from 2YA on January 13. She has had a number of successes in competitions.

The tremendous amplification of the superheterodyne receiver makes it possible to cover long distances with a loop aerial, and this usually is tuned with a variable condenser. Sometimes the loop is tapped, so that more or fewer turns may be used.

"Can't we have a lecture on weather forecasting by one of our meteorological experts from 2YA, Wellington?" writes "Tiller" (Manawatu). "Many of us who have a special interest in weather effects would like to know how the meteorological experts arrive at their forecasts. I suggest that the lecture be put on during the night session so that we all will be able to hear it."

The principal of a big American radio manufacturing corporation recently stated:—"Efficiency, simplicity, beauty—these are the characteristics of 1928 radio receivers, about the ultimate in meeting public requirements. Within the span of a few years, radio has been able to provide for the millions of listeners' sets that work well and look well. A single control supplants the multiplicity of dials which were required on the early receivers. A child can tune in for programmes that are of the highest artistic standard. Radio thus enters a new year with the confidence of the public."

Announcement of the use of radio in prospecting for gold and other minerals was made in the United States about a year ago. This method is being scientifically worked out, with the hope that it will prove of rich practical value. That radio waves will penetrate 500 feet or more of rock strata was indicated in recent tests by the Bureau of Mines in a mine at Caribou, Colorado. At a depth of 220 feet, Dr. E. E. clearly heard a musical concert broadcast at Denver, fifty miles distant. Reception from Denver at 550 feet depth was "mushy," but disturbed conditions were believed responsible.

In general distortion arises either from improper operation and adjustment of the receiving set and its associated equipment, or from imperfect design of parts in the set itself. When improper operation or adjustment is the cause the trouble may lie almost anywhere in the radio receiver. Given a high-grade amplifier system and a loud speaker adequate to handle the output of the receiver, distortion may yet exist because of failure to work within the power or voltage limitations of one or more parts of the receiver. The most frequent cause of curable distortion is overloading of the valves.

Marconi, the Italian inventor, discovered the principle of wireless telegraphy in 1895 when but 21 years of age. The Marconi Wireless Telegraph Company of America was the first company in America formed for the purpose of engaging in the transmission of messages by wireless. It was organized November 22, 1899, with a capitalisation of 10,000,000 dollars (\$2,000,000) of which 25 per cent. was owned by the Marconi's Wireless Telegraph Company, Ltd., a British corporation.

- 8.0: Chimes.
- 8.1: Relay of Municipal Band concert from Town Hall, under the conductorship of Mr. Christopher Smith.
- 9.30: Relay of dance music from Click-Clack Cabaret, by the Click-Clack Radio Orchestra, under the direction of Mr. Walter Smith.
- 11.0: A thought.
- 11.1: Close down.

2YA WELLINGTON (420 METRES)—SATURDAY, JANUARY 7.

- 3 p.m.: Afternoon session—Selected studio items.
- Chimes of the General Post Office clock, Wellington.
- 3.1: Selected gramophone items. Progress reports of cricket match, Wellington v. Otago.
- 5.0: Close down.
- 6.0: Children's hour—Aunties Dot and Gwen in dialogue of fun. Musical entertainment of fifteen minutes by Uncle Sid. Birthdays and chat by Aunties. Gramophone selection (march). Recitations by Roma and Edward, "Babyland," "Cousin Willie." Selected items. Gramophone selection.
- 7.0: News session, market reports, and sports results.
- 8.0: Chimes of the General Post Office clock, Wellington.
- 8.1: Overture—"The Vagabond King" (Friml).
- 8.6: Quartet—The Celeste Quartet, "Carry Me Back to Old Virginny" (Bland).
- 8.10: Instrumental trio—Symons-Ellwood-Short Trio, "Ave Maria" (Kahn).
- 8.20: Tenor solo—Mr. Edgar Swain, "E Lucran le Steelo" from "La Tosca" (Puccini).
- 8.24: Hits and harmonies—The Glad Idlers, (a) "Take Your Finger Out of Your Mouth" (Schuster); (b) "Greenwich Witch" (Confrey); (c) "Deep Elm" (Robison).
- 8.32: Contralto solo—Mrs. Edgar Swain, "Tommy, Lad" (Margerson).
- 8.36: Vocal duet—Miss Myra Sawyer and Mr. Wm. Boardman, "Give Me Thy Hand" from "Don Giovanni" (Mozart).
- 8.40: Piano and cello duet—Mr. Gordon Short and Mr. Geo. Ellwood, "First Movement, Grand Duo" (Gotterson).
- 8.44: Soprano solo—Miss Myra Sawyer, "Butterfly Wings" (Phillips).
- 8.48: Vocal duet—Mr. and Mrs. Edgar Swain, "Caro Mio Ben" (Giorgani).
- 8.52: Hits and harmonies—The Glad Idlers, (a) "You Never Seem to Look My Way" (Osborne); (b) Medley of popular hits.
- 9.0: Bass solo—Mr. Wm. Boardman, "The Wanderer" (Schubert).
- 9.5: Quartet—The Celeste Quartet, "Down in the Coin Brake."
- 9.9: Dance and jazz numbers.
- 11.0: Close down.

3YA CHRISTCHURCH (306 METRES)—SATURDAY, JANUARY 7.

- 6 p.m.: Children's hour—Uncle Sam and Aunt Mary, birthday greetings, bed-time stories, and songs.
- 7.15: News and reports.
- 7.30: Sports results.
- 8.0: Chimes. Relay of orchestral selections from Liberty Picture Theatre Orchestra, under the direction of Mr. Ernest Jamieson.
- 8.15: Baritone solo—Mr. E. A. Dowell, "If Winter Come s" (Tenment).
- 8.19: Zither banjo solo—Mr. Jack Oxley, "You've Found a New Toy" (Long).
- 8.23: Vocal duet—Miss Mabel Thomas and Mr. David McGill, "O Terra Adio" from "Aida" (Verdi).
- 8.27: Instrumental trio—Christchurch Broadcasting Trio, "Two Movements from D Major Trio, Moderato leading to Allegro Appassionata and 'appiccio" (Reisiger).
- 8.38: Songs at the piano—Mr. E. A. Sargent, (a) "The Lure" (Bond); (b) "May I Print a Kiss?" (Bond).
- 8.44: Instrumental trio—Christchurch Broadcasting Trio, (a) "Miserere" from "Il Trovatore" (Verdi); (b) "Scherzo" (Schubert).
- 8.52: Soprano solo—Miss Mabel Thomas, "A Fors e Lui" from "La Traviata" (Verdi).
- 8.56: Tenor solo—Mr. David McGill, "A Dream" (Bartlett).
- 9.0: Weather forecast.
- 9.1: Relay of orchestral selections from Liberty Theatre.
- 9.16: Musical monologue—Mr. Alex. Johnson, "When You Figger It Out" (a Coster's philosophy).
- 9.21: Zither banjo solos—Mr. Jack Oxley, (a) "There's Everything Nice About You" (Wendling); (b) "The Scots Greys' March" (Ellis).
- 9.27: Baritone solos—Mr. E. A. Dowell, (a) "There's a New Star in Heaven To-night" (Brennan); (b) "My Dear Little Irish Mother" (O'Brien).
- 9.34: Soprano solo—Miss Mabel Thomas, "The Sweetest Flower that Blows" (Hawley).
- 9.38: Soprano and tenor duet—Miss Mabel Thomas and Mr. David McGill, "Had You But Known" (Denza).
- 9.41: Instrumental trio—Christchurch Broadcasting Trio, (a) "Andante Pathetique" (Tschaiakowsky); (b) "Polish Dance" (Scharwenka).
- 9.50: Songs at the piano—Mr. E. A. Sargent, (a) "After Vavation" (Bond); (b) "Gay Little Cigarette" (Bond).
- 9.56: Tenor solo—Mr. David McGill, "Tis the Day" (Leoncavallo).
- 10.0: Humorous recital—Mr. Alex. Johnson, "A Hen Minded Hen" (Fabian).
- 10.5: Relay of dance music from Caledonian Hall (by permission of the Canterbury Caledonian Society and Mr. Reg. Stillwell). Music by Jackson's Orchestra.
- God Save the King.

4YA DUNEDIN (463 METRES)—SATURDAY, JANUARY 7.

- 7.15 p.m.: News session.
- 7.30: Address on "Interior Decoration," by Miss M. Puechegud.
- 8.0: Town Hall chimes.
- 8.1: Orchestral music, relayed from the Empire Theatre Orchestra, under the direction of Mr. Chas. Parnell.
- 8.11: Tenor solos—Mr. Frank Stewart, (a) "When the House Is Asleep" (Haigh); (b) "Obstination" (De Fontenailles).
- 8.18: Cornet solo—Mr. George Christie, "Lucille" (Code).
- 8.25: Violin solo—Mr. A. Watson, "Sonata de Chiesa" (Corelli).
- 8.30: Contralto solo—Miss Irene Hornblow, "The Meeting of the Waters" (Irish).
- 8.34: Flute solo—Mr. Chas. E. Gibbons, "Casta Diva" from "Norma" (Bellini).
- 8.41: Orchestral music relayed from the Empire Theatre.
- 8.51: Baritone solo—Mr. Arthur Lungley, "O Tu Palermo" (Verdi).
- 8.56: Cornet solo—Mr. George Christie, "The Lost Chord" (Sullivan).
- 9.1: Mezzo-soprano solos—Miss Florence Sumner, (a) "Fair Spring is Returning" (Saint-Saens); (b) "Be Happy" (Drummond).
- 9.8: Violin solo—Mr. A. Watson, "Schlumenlied" (Schumann).
- 9.13: Tenor solo—Mr. Frank Stewart, "She is Far from the Land" (Lambert).
- 9.17: Flute solo—Mr. Chas. E. Gibbons, selection from "Faust" (Guonod).
- 9.27: Contralto solos—Miss Irene Hornblow, (a) "John Anderson, My Jo"; (b) "Oh! The Oak and the Ash."
- 9.34: Baritone solos—Mr. Arthur Lungley, (a) "Eleanore" (Coleridge-Taylor); (b) "Four by the Clock" (Mallinson).
- 9.41: Cornet solo—Mr. George Christie, "Shylock" (Lear).
- 9.47: Violin solo—Mr. A. Watson, "The Herd Girl's Dream" (Lebitsky).
- 9.52: Mezzo-soprano solo—Miss Florence Sumner, "Angus Macdonald" (Roedel).
- 9.56: Flute solo—Mr. Chas. E. Gibbons, "Sonnambula" (Bellini).
- 10.2: Close down.

Sunday, January 8th

1YA AUCKLAND (333 METRES)—SUNDAY, JANUARY 8.

- 3 p.m.: Afternoon session—Selected Studio items.
- 4.30: Close down.
- 5.45: Children's song service.
- 6.55: Relay of evening service from Auckland Unitarian Church. Preacher, Rev. Thornhill; organist, Mr. Woods.
- 8.30: Relay of municipal organ recital from Town Hall. Organist, Mr. Maughan Barnett.
- 9.30: A thought.
- 9.31: Close down.
- 2YA WELLINGTON (420 METRES)—SUNDAY, JANUARY 8.
- 6 p.m.: Children's service, conducted by Rev. Holland, Cambridge Terrace Congregational Church.
- 6.55: Relay of evening service from Taranaki Street Methodist Church. Preacher, Rev. Claren Eaton. Organist and choirmaster, Mr. H. Temple White; deputy-organist, Mr. Eric Froggatt.

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