

Programmes Continued

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- 8.15: Vocal quartet—The Melodious Four, "The Shepherds" (Percival).
 8.18: Soprano solos—Miss Frances Hamerton, (a) "Song of India" (Rimsky-Korsakoff); (b) "Slumber Song" (Gretchaninoff).
 8.24: Instrumental trio—Christchurch Broadcasting Trio, "Finale from C Major Trio" (Mozart).
 8.34: Tenor and contralto duet—Mr. Russell Sumner and Miss Belle Renault, "Quarrelling" (Rubens).
 8.37: Baritone solo—Mr. T. D. Williams, "The Erl King" (Schubert).
 8.41: Recital—Miss Naare Hooper, L.T.C.L., "Pennarby Mine" (Conan Doyle).
 8.46: Tenor solo—Mr. Russell Sumner, "Mary of Allendale" (Nelson).
 8.50: Cello solo—Mr. Harold Beck, "Romance" (Debussy).
 8.54: Contralto solo—Miss Belle Renault, "Field, Beloved" (Rachmaninoff).
 8.59: Weather forecast.
 9.0: Relay of orchestral selections from Crystal Palace Theatre.
 9.15: Soprano solo—Miss Frances Hamerton, "Go, Lovely Rose" (Quilter).
 9.19: Cello solo—Mr. Harold Beck, "Melodie Arabe" (Glazounoff).
 9.22: Baritone solos—Mr. T. D. Williams, (a) "Sea Fever" (Ireland); (b) "The Lovestoft Boat" (Elgar), (with chorus).
 9.30: Humorous recital—Miss Naare Hooper, L.T.C.L., (a) "The Soliloquy of Suzette" (Hunt); (b) "Aren't Men Funny?" (Lane).
 9.36: Contralto solo—Miss Belle Renault, "A Fairy's Love Song" (Kennedy-Fraser).
 9.40: Instrumental trio—Christchurch Broadcasting Trio, (a) "Serenata" (Moszkowski); (b) "Valse Russe" (Bantock); (c) "Festival Dance" (Delibes).
 9.52: Tenor solos—Mr. Russell Sumner, (a) "Temple Bells" (Finden); (b) "Thora" (Adams).
 9.59: Vocal quartet—The Melodious Four, "Oh! What a Lovely Magic Hath Been Here" (Bantock).
 God Save the King.

4YA DUNEDIN (463 METRES)—FRIDAY, JANUARY 27.

- 3 p.m.: Town Hall chimes. Afternoon session—Selected Studio items.
 3.1: His Master's Voice recital.
 3.15: Address on "Hands and Feet," by Mr. Fullerton, of the D.I.C.
 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 hour—Big Brother Bill. Little Sister Fluffy will sing, Sister Valda plays the piano, Sister Maureen plays the cornet, and Sister Nada at the piano. This is a girls' night, and Big Brother Bill will tell stories of some famous girls. "The Happy Ditty," letters, and birthdays as usual.
 7.15: News session.
 7.30: Address on "Books," by Mr. H. Greenwood, librarian of the Dunedin Athenaeum.
 8.0: Town Hall chimes.
 8.1: Tenor solos—Mr. L. E. Dalley, (a) "Then You'll Remember Me" (Balle); (b) "Now Sleeps the Crimson Petal" (Quilter).
 8.8: Piano solo—Miss A. D. Allan, "Valse Lente" (Merikanto).
 8.14: Soprano solo—Miss Roma Buss, "At Dawning" (Cadman).
 8.17: Recital—Miss Sheila Neilson, "The Vicar of Marengo."
 8.27: Bass solo—Mr. J. B. Macpherson, "A Dinder Courtship" (Coates).
 8.31: Piano solo—Miss A. D. Allan, "Third Movement of Schubert's Sonata."
 8.36: Mezzo-soprano solos—Miss C. M. Law, (a) "An Erisky Love Lilt" (Fraser); (b) "A Barra Love Lilt" (Fraser).
 8.43: Recital—Miss Sheila Neilson, "The Rehearsal."
 8.48: Tenor solo—Mr. L. E. Dalley, "Your Tiny Hand is Frozen" from "La Boheme" (Puccini).
 8.53: Soprano solos—Miss Roma Buss, (a) "My Life is Love"; (b) "Love Will Find a Way" from "The Maid of the Mountains" (Simpson).
 9.0: Piano solo—Miss A. D. Allan, "Liebestraum" (Liszt).
 9.5: Bass solos—Mr. J. B. Macpherson, (a) "The Sentinel and I" (Watson); (b) "If Thou Wert Blind" (Johnson).
 9.11: Humorous monologue—Miss Sheila Neilson, "Again."
 9.16: Relay of dance music from the Savoy.
 10.0: Close down.

Saturday, January 28th

1YA AUCKLAND (333 METRES)—SATURDAY, JANUARY 28.

- Relay of Takapuna Jockey Club's meeting.
 3 p.m.: Afternoon session—Selected Studio items.
 4.0: A literary selection, by Mr. Culford Bell.
 4.30: Close down.
 6.0: The children's hour, conducted by Cinderella.
 7.0: Close down.
 7.15: News and reports.
 7.45: Close down.
 8.0: Chimes.
 8.1: Relay of orchestral overture from Rialto Theatre—Henry C. Engel, conductor.
 8.16: Concerted item—Lyric Three and Miss Alma McGruer, "Lullaby" (Parkes).
 8.20: Mandolin solo—Mr. H. Catterall, "Dinky's Patrol" (Newton).
 8.24: Tenor solo—Mr. Herbert Richards, "Stick It."
 8.28: Instrumental and vocal—Nell the Bohemian, popular melodies.
 8.33: Bass solo—Mr. Ernest Thomas, "A Sailor's Paradise" (Sanderson).
 8.38: Humour—Mr. Allan McElwain, some merry moments.
 8.43: Soprano solo—Miss Alma McGruer, (a) "Hindoo Song" (Rimsky-Korsakoff); (b) "Vanity Fair" (German).
 8.51: Duet—Messrs. Richards and Thomas, "Tenor and baritone" (Newton).
 8.56: Relay of orchestral overture from Rialto Theatre.
 9.11: Evening forecast.
 9.13: Guitar and vocal—Nell the Bohemian, popular airs.
 9.18: Concerted—Lyric Three and Miss A. McGruer, "Home" (Parkes).
 9.23: Mandolin solos—Mr. H. Catterall, (a) "An Old-fashioned Town" (Squire); (b) "Come" (Lugini).
 9.30: Concerted—Lyric Three and Miss A. McGruer, "The Tin Soldier" (Parkes).
 9.34: Relay of dance music from Dixieland Cabaret by The Internationals, under the conductorship of Mr. Clyde Howley.
 11.0: A thought.
 11.2: God Save the King.

2YA WELLINGTON (420 METRES)—SATURDAY, JANUARY 28.

- 2.30 p.m.: Relay resumes of Plumket Shield cricket match—Auckland v. Wellington, from Basin Reserve, Mr. A. Varney announcing.
 6.0: Children's hour—Aunties Gwen and Dot, with their party.
 7.0: News session, market reports, and sports results.
 8.0: Chimes of the General Post Office clock, Wellington.
 8.1: Overture—"The Magic Waltz" from "The Last Waltz" (Strauss).
 8.5: Quartet—Melodie Four, "Please, Won't You Buy My H'm?" (Dore).
 8.9: Tenor solo—Mr. Frank Bryant, (a) "Passing By" (Purcell); (b) "Look Down, Dear Eyes" (Fisher).
 8.18: Instrumental trio—Symons-Ellwood-Short Trio, "Trio in G Major" (Sitt).
 8.28: Bass solo—Mr. W. W. Marshall, "My Old Shako" (Trotter).
 8.33: Quartet—Melodie Four, "So Blue" (arr. Frank Crowther).
 8.38: Cello and pianoforte duet—Messrs. Geo. Ellwood and Gordon Short, "Andante from Sarasate, F Major" (Strauss).
 8.48: Tenor solo—Mr. Sam. Duncan, "If I Were King of Ireland" (Foster).
 8.53: Quartet—Melodie Four, "Lullaby" (Brahms).
 9.0: Weather forecast.
 9.2: Dance and jazz items.
 11.0: Close down.

3YA CHRISTCHURCH (306 METRES)—SATURDAY, JANUARY 28.

- 6 p.m.: Children's session, by Uncle Sam and Aunt May—Bedtime stories, song, birthday greetings, and letters.
 7.15: News and reports.
 7.30: Sports results.
 8.0: Chimes.
 Relay of orchestral selections from the Liberty Picture Theatre (by

The polished surface of a bakelite panel should be protected by home constructors at all times when the holes are laid out. A convenient method for protecting the surface of the panel, as well as furnishing a surface upon which pencil lines may be drawn, may be found in gluing a piece of paper to the panel surface before laying it out. Holes are located, centred and drilled before the paper is removed. After the panel is completely drilled, it should be soaked in water and the paper removed with a stiff brush. The water will dissolve the glue or paste used and a perfect finish will be preserved as far as the panel is concerned.

Experiments and tests with the Empire short-wave broadcasting station have almost been completed, and the new station is expected to be on the air officially early in 1928. The B.B.C. reports that it is proceeding with the erection of "spaced receivers" for the reception of programmes from America. The power of the new station will be anything up to 25 k.w., and the wavelength between 20 and 40 metres. It has already been proposed that the King should be invited to inaugurate official Empire broadcasting.

The recent inactivity of Philips Company's short-wave broadcast station, PCJJ, following the successful transmissions which stimulated short-wave broadcasting throughout the world, has been due to additions and alterations to the Netherlands station. Philips Lamps Ltd. state that the famous short-wave station has been moved from Eindhoven to Hilversum, where the station will be erected with larger studios. The power will probably be increased. It is hoped that the station will be transmitting again early in the New Year.



MR. ALEX. SNELL.

Mr. Alex. Snell, baritone, possessor of a well-trained and brilliant voice. Mr. Snell is noted for his clear diction, and great artistry before the microphone.

Home constructors will find it is sometimes necessary to have a particular capacity in a fixed condenser which is not available at the time. If two condensers are connected in parallel, each having the proper value, the desired capacity may be obtained. The resultant capacity of two condensers connected in parallel is the sum of their individual capacities. In this respect, it is possible to get a .0003 mfd. condenser by connecting two .00015 mfd. condensers in parallel.

Many prefer the low-voltage valves lighted by dry cells. Others like the more powerful 6-volt tubes lighted by storage batteries. Dry cells are easier to handle and safer than storage batteries, but a good storage battery with a battery charger will give very little trouble after installation. Some of the best records for long-distance reception in New Zealand have been established by dry-cell valves.

The old method of reducing volume of a radio set was to cut out the last stage of audio amplification; and consequently most old-style sets were provided with jacks, so that you could plug the loudspeaker into either the first or second stage as required. The development of special power valves for use in the last stage has changed all this, so that the best practice now is to keep all the valves in the audio amplifier end of the set working at all times and to control the strength of the signal before it is fed into the audio amplifier. There are several ways of doing this, perhaps the simplest being a rheostat control of one or more of the radio-frequency amplifier valves. Practically no loss in the quality of the signals received is noted when this type of control is used. The writer never uses his radio frequency valve for receiving the local station.

The tendency to-day is toward simplified control of tuning units and filaments, for most radio receiving sets must be sold to persons who want to avoid all inconvenience in operation. One-hand tuning seems to be in demand, though what the operators want to do with the other arm is not quite clear in these days, when the closed car has taken the place of the parlour sofa. It certainly does not increase the efficiency of valves to control five or more filaments with one rheostat, nor does it improve the tuning of a set to turn all the condensers with one knob. The two-control tuning system, however, will be found efficient.

- kind permission of the management)—Orchestra under the conductorship of Mr. Ernest Jamieson.
 8.15: Baritone solos—Mr. Robt. Lake, (a) "Myself When Young" (Lehmann); (b) "Sacrament" (McDermid).
 8.21: Something in original humour—Mr. H. Instone, "An Original Piece" (own version—M.S.).
 8.26: Soprano and tenor duet—Miss Mabel Thomas and Mr. David McGill, "But Now, Indeed, Farewell" from "Romeo and Juliet" (Gounod).
 8.30: Instrumental trios—Christchurch Broadcasting Trio, (a) "At Evening" (Pache); (b) "Vivace from Second Trio" (Godard).
 8.38: Soprano solo—Miss Mabel Thomas, "Roberto o Tu Che Adore" from "Roberto Il Diavolo" (McDermid).
 8.42: Zither banjo solos—Mr. Jack Oxley, (a) "Rose Leaves Gavotte" (Morley); (b) "Merriment" (Morley).
 8.47: Tenor solo—Mr. David McGill, "If You Would Love Me" (McDermid).
 8.51: Scottish song at piano—Mr. Jock Lockhart, "The Waggle of the Kilt" (Lauder).
 8.56: Soprano and tenor duet—Miss Mabel Thomas and Mr. David McGill, "Oh, Lovely Night" (Ronald).
 8.58: Weather forecast and late news.
 9.0: Relay of orchestral selections from the Liberty Picture Theatre.
 9.15: Tenor solo—Mr. David McGill, "Down in the Forest" (Ronald).
 9.19: Instrumental trios—Christchurch Broadcasting Trio, (a) "Swedish Folk Song" (traditional); (b) "Berceuse de Jocelyn" (Godard).
 9.26: Humour—Mr. H. Instone, (a) "The Green Tie on the Yellow Dog" (a parody—M.S.); (b) "The Village Choir" (M.S.).
 9.34: Zither banjo solos—Mr. Jack Oxley, (a) "Darkie's Dream" (Lansing); (b) "Darkie's Awakening" (Lansing).
 9.42: Soprano solo—Miss Mabel Thomas, "Annie Laurie" (Lady Scott, arr. Rimbault).
 9.48: Instrumental trios—Christchurch Broadcasting Trio, (a) "Chant Sans Paroles in A" (Tschalkowsky); (b) "Intermezzo" (Mascagni); (c) "Valse Song" (Godard).
 9.50: Baritone solo—Mr. Robt. Lake, "Three for Jack" (Squire).
 10.4: Humour at the piano—Mr. Jock Lockhart, (a) "And So Say All of Us" (Fragson); (b) "Rachael" (Whelan).
 10.11: Relay of dance music from the Caledonian Hall (by kind permission of Canterbury Caledonian Society and Mr. Reg. Stillwell)—Orchestra under the conductorship of Mr. Jackson.
 God Save the King.

4YA DUNEDIN (463 METRES)—SATURDAY, JANUARY 28.

- 7.15 p.m.: News session.
 7.30: Address on "Interior Decoration," by Miss Marguerite Puechegud.
 8.0: Town Hall chimes.
 8.1: Relay of orchestral music from the Empire Theatre Orchestra, under the direction of Mr. Chas. Parnell.
 8.11: Tenor solos—Mr. R. A. Mitchell, (a) "There is a Flower that Blooms" (Millard); (b) "Spirits Gentil" (Dinizetti).
 8.18: Violin solo—Mr. A. Watson, "Le Cygne" (Saint-Saens).
 8.23: Soprano solo—Miss Florence Sumner, L.A.B., "A May Morning" (Del Riego).
 8.27: Cornet solo—Mr. George Christie, "Nodische" (Hoch).
 8.39: Baritone solo—Mr. Arthur Lungley, "Serenade" (Massenet).
 8.43: Relay of orchestral music from the Empire Theatre.
 8.53: Contralto solos—Miss Irene Horniblow, L.R.A.M., (a) "Fairy Tales" (Wolf); (b) "I Know a Bank" (Shaw).
 9.0: Flute solo—Mr. J. Stewart, "Poeme Elagique" (Zimmerman).
 9.6: Tenor solo—Mr. R. A. Mitchell, "Cradle Song" (Schubert).
 9.10: Violin solo—Mr. A. Watson, "Meditation" (Gounod).
 9.15: Cornet solo—Mr. George Christie, "Absent" (Metcalfe).
 9.18: Soprano solos—Miss Florence Sumner, (a) "The Cleaners' Shumber Song" (Waltheu); (b) "A Light Song, a Bright Song" (Drummond).
 9.25: Flute solo—Mr. J. Stewart, "Il Primo Amore" (Von Suppe).
 9.32: Violin solo—Mr. A. Watson, "A Dream Picture" (Ketelbey).
 9.37: Baritone solos—Mr. Arthur Lungley, (a) "Elcy" (Massenet); (b) "Youth" (Allitsen).
 9.44: Cornet solo—Mr. George Christie, "Parted" (Tosti).
 9.48: Contralto solo—Miss Irene Horniblow, "At Columbine's Grave" (Shaw).
 9.52: Flute solo—Mr. J. Stewart, "La Messagere Du Jour" (Donjon).
 10.0: Close down.

Sunday, January 29th

1YA AUCKLAND (333 METRES)—SUNDAY, JANUARY 29.

- 3 p.m.: Afternoon session—Selected Studio items.
 4.0: A literary selection, by Mr. Culford Bell.
 4.30: Close down.
 6.0: The children's hour, conducted by Uncle Leo.
 6.45: Close down.
 6.55: Relay of church service from Beresford Street Congregational Church, Preacher, Rev. Lionel Fletcher.
 8.15: Vocal quartet—The St. Andrew's Quartet, "O Lord Most Holy."
 8.19: Soprano solo—Mrs. Richards, "Angels Ever Bright and Fair" (Handel).
 8.24: Tenor solo—Mr. Robert Peter, "How Many Hired Servants?" (Sullivan).
 9.29: Instrumental trio—The Bosworth-Hemus-Towsey Trio, "Trio in A Minor, Allegro Scherzando, Andantino con Moto" (Gade).
 8.41: Contralto solo—Miss Phyllis Gribben, "O Rest in the Lord" (Mendeisohn).
 8.46: Vocal duet—Messrs. Peter and Colledge, "Watchman, What of the Night?" (Sargent).
 8.51: Trio—The Bosworth-Hemus-Towsey Trio, "Trio in A Minor, Larghetto con Moto, Finale Allegro" (Gade).
 9.1: Mr. Arthur Colledge, "Pro Peccates" (Rossini).
 9.6: Vocal quartet—St. Andrew's Quartet, (a) "God is a Spirit" (Sterndale-Bennett); (b) "The Peace of God" (Gounod).
 9.14: A thought.
 9.16: God Save the King.

2YA WELLINGTON (420 METRES)—SUNDAY, JANUARY 29.

- 6 p.m.: Children's service, conducted by Uncle Ernest.
 6.55: Relay of evening service from The Terrace Congregational Church, Preacher, Rev. E. R. Weeks. Choral director, Mr. Len. Barnes; organist, Mr. Harry Brusey.
 8.30 (approx.): Studio concert.
 Tenor solo—Mr. Roy Hill, "The Living God" (O'Hara).
 Quartet—Symons-Ellwood String Quartet, "Scherzo, F Major Quartet" (Beethoven).
 Quartet—Ariel Singers, "God So Loved the World" (Stainer).
 Instrumental Quartet—Symons-Ellwood String Quartet, "Finale, F Major Quartet" (Beethoven).
 Bass solo—Mr. J. M. Caldwell, "Hear Me, Ye Winds and Waves" from "Scipio" (Handel).
 Instrumental quartet—Symons-Ellwood String Quartet, "Minuetto" (Dittersdorf).
 Soprano solo—Miss Jeanette Briggs, selected.
 Instrumental quartet—Symons-Ellwood String Quartet, "Bouree" (Bach).
 Quartet—Ariel Singers, "The Builder" (Cadman).

3YA CHRISTCHURCH (306 METRES)—SUNDAY, JANUARY 29.

- 5.45 p.m.: Children's song service, by Uncle Sam, assisted by children from the Linwood Congregational Sunday School.
 7.15: Relay of evening service from the Church of Christ, Moorhouse Avenue. Preacher, Rev. Howard Earle; organist, Miss E. Hepburn; choir-master, Mr. H. Ames.
 Solo—Mr. P. T. Thompson, "Where'er You Walk" (Handel).
 Anthem—The choir, "O Worship the Lord" (J.W.K.).
 8.15: After service the following concert will be given from 3YA Studio:—
 Soprano solos—Miss Marjory Miller, A.T.C.L., (a) "Teach Me How to Pray" (Williams); (b) "When the Grey of the Sky" (Sterling).
 8.22: Cornet solo—Mr. Fred. Fox, "For All Eternity" (Mascheroni).
 8.26: Baritone solos—Mr. F. R. Hawker, (a) "For You Alone" (Geel); (b) "The Song of the Torrent" (Mallinson).

(Continued on page 14.)