Programmes Continued

These programmes are copyright, but individual daily programmes may be published on day of performance.

8.27: Dramatic recital—Mr. W. H. Moses, "The Outlaw" (Ogilvie).
8.32: Soprano solos—Miss Frances Hamerton, L.A.B., (a) "Still, the Lark Finds Repose" (Linley); (b) "By Dimpled Brook" (Arne).
8.37: Banjolin solo—Mr. Gordon Jackson, "Drifting and Dreaming" (Curtis).
8.41: Contraito solo—Miss Belle Renaut, "The Message" (Purcell).
8.45: Pianoforte solo—Miss Lucy Fullwood, "The Return," being the last and third movement of "Sonata, Op. 81" (Beethoven).
8.50: Tenor solo—Mr. Russell Sumner, "I Attempt from Love's Sickness to Fly" (Purcell).
8.54: Banjolin solos—Mr. Gordon Jackson, (a) "Blue Skies" (Berlin); (b) "Doll Dance" (Brown).
8.59: Weather forecast.

8.59: Weather forecast.

8.59: Weather forecast.
9.0: Relay of orchestral selections from Crystal Palace Theatre.
9.10: Soprano and contralto duet—Misses Frances Hamerton and Belle Renaut, "The Moon Reappears" (Purcell).
9.14: Jazz dance music—Lyndon Christie's Dance Orchestra, "Me and My Shadow" (Jolson).
9.19: Baritone solos—Mr. T. D. Williams, (a) "Cease, O My Sad Soul" (Purcell); (b) "More Love or More Disdain" (Purcell); (c) "Ahl How Pleasant 'Tis to Love" (Purcell).
9.26: Jazz dance music—Lyndon Christie's Dance Orchestra, "There's Everything Nice About You" (Wendling).
9.31; Vocal quartet—The Melodious Four, "When Evening's Twilight" (Hatton).

ton). 9.35: Jazz dance music-Lyndon Christie's Dance Orchestra, "Spanish Moon'

(Terese). 9.40: Soprano solos—Miss Frances Hamerton, L.A.B., (a) "Sweet Robin" (Anon.); (b) "All Will Hail the Joyous Day" (Storace).
9.45: Jazz dance music—Lyndon Christie's Dance Orchestra, "Stepping on the Ivories" (McLaughlia).

9.50: Contralto solos—Miss Belle Renaut, (a) "Shall I Be Wasting in Despair?" (King); (b) "Since First I Saw Your Face" (Ford).
9.55: Jazz dance music—Lyndon Christie's Dance Orchestra, "Muddy Waters"

(De Rose).

(De Rose).

10.0: Humorous recital—Mr. W. H. Moses, "The Frenchman and the Flea Powder" (M.S.).

10.9: Tenor solos—Mr. Russell Sumner, (a) "The Thorn" (Shield); (b) "Phyllis, Talk no More of Passion" (Monro).

10.15: Jazz dance music—Lyndon Christie's Dance Orchestra, "The Whole World's Laughing at Me" (Olsen).

10.22: Vocal quartet—The Melodious Four, "Hark, 'Tis the Indian Drum' (Rishop)

(Bishop). 10.27: Jazz dance music-Lyndon Christie's Dance Orchestra, "He's the Last Word" (Donaldson).

Lyndon Christie's Dance Orchestra will play dance music at short intervals until 11 p.m. God Save the King.

4YA DUNEDIN (463 METRES)-FRIDAY, FEBRUARY 17.

3 p.m.: Town Hall chimes.

3.1: His Master's Voice recital.
3.15: Address on "Fashions," by a representative 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 and the cousins, 7.15: News session.

Town Hall chimes,

8.0: Town Hall chimes,
8.1: Bass solos—Mr. J. B. Macpherson, (a) "It Is Enough" from "Elijah" (Mendelssohn); (b) "Love That's True" (Anon.).
8.7: Pianoforte solo—Miss A. D. Allan, "Coronach" (Barratt).
8.12: Soprano solo—Miss Roma Buss, "Blue Butterflies" (Dixon).
8.16: Recital—Miss Sheila Neilson, "Hiawatha" (Longfellow).
8.21: Tenor solo—Mr. L. E. Dalley, "Friend o' Mine" (Sanderson).
8.25: Pianoforte solo—Miss A. D. Allan, "Birds in the Tree" (Schafer).
8.30: Mezzo-soprano solos—Miss Mollie Andrews, (a) "Love's a Sailor" (Kent); (b) "My Old Irish Mother" (Von Tilzer).
8.37: Monologue—Miss Sheila Neilson, "My Tea Shop."
8.41: Bass solo—Mr. J. B. Macpherson, "When a Maiden You Have Chosen" (Mozart).

(Mozart).

(Mozart).

8.45: Pianoforte solo—Miss A. D. Allan, "Humoresque" (Dvorak).

8.50: Soprano solos—Miss Roma Buss, (a) "Moonlight Song" (Cadman); (b)

"Waltz Song" from "Romeo and Juliet" (Gounod).

8.57: Recital—Miss Sheila 'Neilson, "The Dentist" (Leacock).

9.2: Tenor solos—Mr. L. E. Dalley, (a) "Homeland" (Drummond); (b) "I

Hear You Calling Me" (Marshall).

9.8: Mezzo-soprano solos—Miss Mollie Andrews, "Waltz Song" from "Tom

Jones" (German).

9.12: Relay of dance music from the Savoy

9.12: Relay of dance music from the Savoy. 10.0: God Save the King.

Saturday, February 18th

1YA AUCKLAND (333 METRES)—SATURDAY, FEBRUARY 18.

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

4.0: Literary selection by Mr. Culford Bell,

4.30: Close down.

7.15: News and sports results.

8.0: Chimes.

8.1: Relay of orchestral overture from Rialto Theatre Orchestra, under the

8.11: Relay of orchestral overture from Kialto Theatre Orchestra, under the direction of Mr. Henry C. Engel.
8.16: Vocal quartet—Lyric Quartet, "O, Peaceful Night" (German).
8.20: Tenor solo—Mr. Herbert Richards, "So Fair a Flower" (Willeby).
8.24: Instrumental—Le Pali Duo, "Hawaiian Melodies,"
8.31: Humour—Mr. Alan McElwain, "Muscial Moments."
8.35: Vocal quartet—Lyric Quartet, "In Absence" (Buck).
8.40: Bass solo—Mr. Ernest Thomas, "When a Maiden You Have Chosen"

(Sullivan).

8.44: Relay of orchestral interlude from Rialto Theatre.
8.59: Weather forecast.
9.1: Tenor solo—Mr. Arthur Ripley, "Love Lily" (Davies).
9.5: Humour—Mr. Alan McElwain, selection from the "Sentimental Bloke"

(Dennis).

9.10: Instrumental—Le Pali Duo, popular selections.

9.18: Vocal quartet—Lyric Quartet, "The Long Day Closes" (Stillmann).

9.22: Relay of dance music from Dixieland Cabaret by "The Internationals" under Mr. Clyde Howley.

11.0: God Save the King.

2YA WELLINGTON (420 METRES)—SATURDAY, FEBRUARY 18.

2 p.m.: Chimes of the General Post Office clock, Wellington.
 2.1: Relay resumes cricket match—Wellington versus Australia, from Basin Reserve, Mr. A. Varney announcing.
 Relay interspersed with selected gramophone items.

 6.0: Children's hour—Aunt Gwen and Aunt Dot and party.
 70: News market reserve and information.

News, market reports, and information.

7.40: Latest cricket news.

· SPECIAL EDISON EVENING.

8.0: Chimes of the General Post Office clock, Wellington.
8.1: Overture—First Battalion, Wellington Regiment. Band, 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).
8.20: Chorus—Wellington Orpheus Musical Society, "Battle Hymns of the Republic"; (b) "Hail, Columbia" (Phyla).
8.28: Violin—Miss Ava Symons, "Alabama" (Spalding).
8.29: 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). "Stars and

847: Speech—Sir Frederick Chapman, president of the English-Speaking Union, "A 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." 9.20: Chorus—Wellington Orpheus Musical Society, "Sword 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 specially recorded for New Zealand listeners on the occasion of his eighly-hirst birthday."

8.36: Quartet—Melodie Four, "Yankee Rou" (arr. Frank Crowther).

9.40: Piano—Mr. Gordon Short, "Keltic Sonata" (McDowell).

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—Mr. Billy Hart, "And a Little Child" (Harris).
10.0: Reverie—Wellington Regiment Band, "Bells at Sunset" (McKenzei),
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 CHRISTCHURCH (306 METRES)-SATURDAY, FEBRUARY 18.

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. 8.0: Chimes. Relay of orchestral selections from Liberty Picture Theatre Orchestra, under the direction of Mr. Ernest Jamieson. 8.15: Soprano and tenor duet-Miss Mabel Thomas and Mr. David McGill

selected. 8.19: Baujo Band—Beresford Banjo Band, "Minstrel Melodies, Part I" (Dare). 8.24: Songs at piano—Mr. E. A. Sargeant, (a) "Spring, Spring, Glorious Spring" (Gill); (b) "And thee World Went Very Well Then"

(Spurr). 8.29: Banjo Band—Beresford Banjo Band, "Fun and Frolic" (Kennedy). 8.34: Soprano solo—Miss Mabel Thomas, "Jewel Song" from "Faust" (Gou-

nod). 8.38: Instrumental trio-Christchurch Broadcasting Trio, "Finale from Trio in

C. Minor" (Mendelssohn).

8.50: Humorous talk—Mr. Sydney Comfort, "Sydney Speaks to Himself."

8.55: Tenor solo—Mr. David McGill, "Doloroso" (Phillips).

8.59: Weather forecast.

9.0: Relay of orchestral selection from Liberty Theatre.
9.15: Banjo Band—Beresford Banjo Band, "What Good is Good Morning" (Santly).

9.20: Songs at the piano—Mr. E. A. Sargeant, (a) "Bahren Bem Borem" (Kirby); (b) "Two Little Irish Songs."

9.25: Instrumental trio—Chr. stchurch Broadcasting Trio, (a) "To a Fairy Boat" (Hope); (b) "Scherzo from Trio in E Flat" (Reissiger).

9.35: Soprano and tenor duet—Miss Mabel Thomas and Mr. David McGill, selected.

9.39: Banjo Band—Beresford Banjo Band, "Minstrel Melodies, Part 2" (Dare). 9.44: Soprano solo-Miss Mabel Thomas, "I Passed by Your Window"

(Brahe). 9.47: Instrumental trio-Christchurch Broadcasting Trio, (a) "Reverie"

(Ganne); (b) "Gypsy Song" (Bizet).
9.54: Humorous talk—Mr. Sydney Comfort, "Sydney Once Again Speaks to Himself" (M.S.).

Hinself" (M.S.).

9.57: Banjo Band—Beresford Banjo Band, "Merry-Go-Round" (Folkestone).

10.2: Tenor solo—Mr. David McGill, "Heart of Gold" (Manney).

10.6: Banjo Band—Beresord Banjo Band, "Bonnie Scotland" (Kennedy).

10.11: Relay of opening night dance music from the new Palais Royal Cabaret (by kind permission of Mr. George Bennett). Dance music by Mr. Teddy Jones's Orchestra.

God Save the King.

4YA DUNEDIN (463 METRES)—SATURDAY, FEBRUARY 18.

7.15 p.m.: News session.

Town Hall chimes. 8.1: Orchestral music under the direction of Mr. Chas. Parnell, relayed from the Empire Theatre.

8.12: Baritone solos—Mr. Arthur Lungley, (a) "Phyllis is My Only Joy" (Hobbs); (b) "Go to Bed, Muse" (Jones).
8.19: Violin solo—Mr. A. R. Watson, "In a Monastery Garden" (Ketelby).
8.24: Contralto solo—Miss Irene Horniblow, L.R.A.M., "Slumber Song" (Schubert).

8.28: Flute solo—Mr. J. Stewart, "Hamlet Fantaise" (Gewin).
8.34: Tenor solos—Mr. R. A. Mitchell, (a) "Serenade" (Schubert); (b) "Who is Sylvia?" (Schubert). 8.40: Relay of orchestral music from the Empire Theatre.

8.50: Cornet solo—Mr. D. J. Robertson, "Softly Awakes my Heart" from "Samson and Delilah" (Saint-Saeus).

8.55: Soprano solo—Miss Florence Sumner, "The Kerry Dances" (Molloy).

9.0: Town Hall chimes. Weather forecast.

9.2: Baritone solo—Mr. Arthur Lungley, "Since I Saw Your Face" (Ford).
9.6: Violin solo—Mr. A. R. Watson, "Chanson Triste" (Fontaine).
9.11: Contralto solos—Miss Irene Horniblow, (a) "The Linden Tree" (Schubert): (b) "Impatience" (Schubert). "Impatience"

9.17: Flute solo-Mr. J. Stewart, "Les Soupirs-First Nocturne" (Kralkbreimer).

9.22: Tenor solo-Mr. R. A. Micthell, "Lorraine" (Sanderson). 9.26: Cornet solo-Mr. D. J. Robertson, "The Dream of Love" (Millars).

9.26: Cornet solo—Mr. D. J. Robertson, "The Dream of Love" (Millars).
9.31: Relay of orchestral music from the Empire Theatre.
9.40: Soprano solos—Miss Florence Sumner, (a) "Cradle Song" (Schubert);
(b) "Robin Adair."
9.46: Violin solo—Mr. A. R. Watson, "Suite in F Major" (Corelli).
9.51: Vocal duet—Miss Irene Horniblow and Mr. Arthur Lungley, "Sweet Kate" (Ford).
9.55: Flute solo—Mr. J. Stewart, "Morceau de Salon" (Terschak).
10.0: Cornet solo—Mr. D. J. Robertson, "Absent" (Metcalf).

Sunday, February

1YA AUCKLAND (333 METRES)-SUNDAY, FEBRUARY 19.

3 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 Leo.
 6.55: Relay of evening service from Church of Christ. Preacher, Mr. Aldridge; organist, Mr. Ivan Lambert. To be followed by special concert from studio:-8.15: Vocal quartet—St. Andrew's Quartet, "Evening and Morning." 8.20: Bass solo—Mr. Arthur Colledge, "It Is Enough" from "Elijah" (Men-

delssohn).

825: Instrumental trio—Bosworth-Hemus-Towsey Trio, "First Movemer Allegro, frmo Trio in B Flat Major, No. 9" (Haydn). 8.35: Vocal duet—Misses A. Taylor and P. Gribben, "Lead, Kindly Light." 8.39: Tenor solo—Mr. Robert Peter, "Ye People Rend Your Hearts" (Me delssohn). 8.44: Contraito solo—Miss Phyllis Gribben, "Woe Unto Them" (Mendelssohn). 8.49: Instrumental trio—Bosworth-Hemus-Towsey Trio, 'Andante and Finale

from Trio in B Flat Major, No. 9" (Haydn).
8.59: Vocal quartet—St. Andrew's Quartet, "Prologue" from "The Holy City" (Gaul). 9.4: A thought.

9.6: God Save the King. 2YA WELLINGTON (420 METRES)-SUNDAY, FEBRUARY 19.

L.L.C.M.

10.5: God Save the King.

6 p.m.: Children's song service, conducted by Uncle Ernest.
6.55: Relay of evening service from St. Thomas's Anglican Church. Preacher,
Rev. C. V. Rooke; organist and choirmaster, Mr. W. A. Collie,

The Radio Conference in Washington has adopted the word "Mayday" as the distress call for radio telephony. It is derived from "M'aidez," which, in turn, means "aid" or "help."

A loop aerial is much less effective a pick-up agency than an indoor aerial, and very much less effective than outdoor aerial, so that by coup-ling a loop aerial to an elevated aerial, the volume and range obtained from the set connected thereto is materially increased. This refers more particu-larly to the more distant signal strength obtainable than when the "local" station is being tuned in.

The Wurlitzer Organ at the Arcadia Theatre, Chatswood, Sydney, one of the sweetest toned instruments in the world, will in future be a regular item on 2BL's Sydney programmes. In re-sponse to numerous requests, 2BL's set apart the higher class music for Tuesdays, Thursdays, and Sundays, whilst jazz and the ligher class music for Tuesdays, and the ligher class music will be breadened on other days of the will be broadcast on other days of the

In radio, harmonics refer to the in-cidental waves mostly noticeable in undamped wave operation. These harmonics differ in length and frequency from the true and original operative wave of such transmitters. At times, listeners will hear the harmonics of high-power long-wave stations, while their tuners are set for much shorter wavelengths.

The telephony transmitter at Kootwyk (Holland) is provided with a beam aerial, and experiments have shown that thereby the angle of radiation has been reduced to 30 degrees. Kootwyk sends out voice messages in French, Ger-man, English, and Italian every Wed-nesday between 14 and 15 G.M.T., asking for reports on strength, modulation, and constancy. The call sign is PCLL, and the wavelength is 19 metres.

Cuba has forty-five amateur radio broadcasting stations, and only two thers. The amateurs use broadcast wavelengths, and put entertainment on the air.

The hot wire ammeter is an instru-ment used in radio transmission work, which measures current in amperes by means of a wire expanding in pro-portion to the heat generated by the passing current.

Very few people seem to realise what a delicate piece of apparatus a fixed condenser is. Those who have taken this little device to pieces will laver found that it contains layer upon layer of very thin waxed tissue paper coated on either side with tinfoil. Naturally, it would be a very foolish thing to lay a red-hot soldering iron on such a piece of apparatus, as the heat of the iron would melt the wax on the tissue paper, and thus lead to a breakdown in the dielectric of the ondenser.

All builders of their own sets know the difficulty in rubbing down the ebonite bought for panels to the necessary matt surface, as for some reason it is only to be bought in the polished state. The usual recommendation is to rub down with emery or cross powder, but the result is usually a scratched piece of ebonite that looks ugly. The piece of ebonite that looks ngly. private individual cannot get hold of the machinery that makers have for the purpose, but a really fine matt sur-face can be gained by getting a small piece of the cream grit that monumental masons use for rubbing down lead letter inscriptions, and using that instead of the emery or crocus powder.

A lady who had two songs to sing, unu entered the studio of 2BL, Sydney, and handed her music to the accompanist. Mr. Vern Barnett, who was to accompany the lady, was suddenly startled to find that she, owing to 'microphone fright," had forgotten completely the names of the pieces she had to sing, and looking feveri-hly at the two rivers on the piece start! the two pieces on the piano stand, found the artist was singing something different altogether. Reconciling himself to his fate, Mr. Vern Barnett had, perforce, to vamp without music, and the result can easily be imagined.

If it became necessary for a Frenchman to explain in detail some intricate radio circuit, it would be certain to take some time, judging by their means of saying "wire" and "baseboard." For the former item they say "fil de metal," and for the latter "table et peidestal."

A shortwave wireless service has been opened between Paris and Hanoi (French Indo-China). This will assist in the relaying of messages from France to the most distant colonies, via French Indo-China.

Beginners sometimes express curiosity as to the system of allotting the call signs to the various Australian broadcast stations. In the Australian system the figure denotes the State or district in which the broadcasting or experimental station is located. The or experimental station is located. The figure 1 is not used for some reason or other, but 2 represents New South Wales, 3 Victoria, 4 Queensland, 5 South Australia, 6 West Australia, 7 Tasmania, and 8 the interior as at Alice Springs. The letters following the figure are arbitrarily fixed. The authorities endeavour to indicate the name of the operating company by using two of the initial letters, except when they might be confusing. For instance: 2FC stands for 2-New South Wales; F-Farmers; C-Company, Also 3AR means 3-Victoria; A-Associated; R-Radio. sociated; R-Radio.

CONTINUED ON PAGE 145