Programmes Continued

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9.21: Flute solo—Mr. T. H. Amos, "Poet and Peasant" (Harrington).
9.26: Contralfo solos—Mrs. Ann Harper, (a) "The Arrow and the Song" (Balfe); (b) "Will He Come?" (Sullivan).
9.33: 'Cello solo—Mr. Harold Beck, "March On". (Benjamin).
9.37: Soprano solos—Madame Gower-Burns, (a) "My Dearest Heart" (Sullivan); (b) "The Swallows" (Cowan).
9.45: Instrumental trios—Christchurch Broadcasting Trio, (a) "Berceuse" (Ginsky); (b) "Valse des Fleurs" (Tschaikowsky).
9.52: Recitations—Miss K. O'Brien, (a) "In the Rain"; (b) "Just Like a Man."

9.57: Cornet duet-Messrs. R. Ohlson and Albert Benson, "La Serenata" (Braga).

10.2: Yocal quartet-Grand Opera Quartet, "Sweet and Low" (Barnby). God Save the King.

> 4YA, DUNEDIN (463 METRES), THURSDAY, JULY 19. SILENT DAY.

Friday, July

1YA, AUCHLAND (333 METRES), FRIDAY, JULY 20.

3 p.m.: Afternoon session—Selected studio items. 4.0: Literary selection by the Announcer. 4.8: Further studio items.

4.25: Sports results. 4.30: Close down.

4.50: Close down.

6.0: Children's session—Nod. Song. Cousin Anita, "A Single Cingalese" (Sterndale Bennett). Recitation, Cousin Gwenyth, "The Girl and the Gloves." Letters and birthdays. Chorus, "Ten Little Pigs" (Low). Recitation, Cousin Gwenyth, "Burton's Curtains." Story-time.

7.15: Talk by Mr. Geo. Campbell on "Motoring."

7.30: News and market reports.

8.0: Chimes.
8.1: Relay of overture from Strand Theatre Orchestra, under the direction of Eve Bentley.
8.11: Vocal quartet—Madame Mary Towsey's Quartet, "Londonderry Air"

(arr. Weir) 8.15: Instrumental Trio-Auckland Trio, "First Movement" from "Fourth Trio" (Becthoven).

Trio" (Beethoven).

8.24: Contralto solo—Miss Gwenyth Evans, "I Live for You" (Thompson).

8.28: Saxophone solo—Merceuse de Jocelyn" (Godard).

8.32: Baritone solo—Mr. John Bree, "From Oberon in Fairyland" (Slater).

8.36: Humour—Mr. Fred. W. Barker, "The First Camuel."

8.41: Soprano solo—Madame Mary Towsey, "The Erl King" (Schubert).

8.46: 'Cello solo—Miss Mollie Wright.

8.51: Vessel empty the Medame Mary Towsey's Openius William the Heart in

8.51: Vocal quartet—Madame Mary Towsey's Quartet, "When the Heart is Young" (Buck).

8.55: Relay of entracte from Strand Theatre Orchestra.

9.5: Renay of enter acc.
9.5: Weather forecast.
9.6: Vocal trio—The Snappy Three, (a) "Dream Kisses" (Jerome); (b)
"Souvenirs" (Nicholls).
"Souvenirs" (Del Riego).

9.13: Contralto solo—Miss G. Evans, "A Castilian Lament" (Del Riego). 9.17: Novelty—Mr. F. W. Barker, "A Wayside Philosopher to His Friend: Good Conversation."

9.27: Baritone solo—Mr. J. Bree, "The Watchman" (Squire). 9.32: Saxophone solo—"Chaconne, Op. 62" Durand). 9.36: Vocal duet—Madame Mary Towsey and Mr. J. Bree, "A Leve's Be-

9.36: Vocal duet—Madame Mary Towsey and Mr. J. Bree, R. Leves Beginning" (Lehmann).
9.40: Tenor solo—Mr. J. McDougal, "Mary of Argyle" (Nelson).
9.44: Vocal trio—The Snappy Three, (a) "Do that Heebie Jeebie Dance"
(Du Pont); (b) "Together We Two" (Berlin); (e) "For My Sweetheart" (Donaldson).
9.52: Instrumental trio—Auckland Trio, "Chopiniana" (arr. Roberts).
10.0: Vocal quartet—Madame Mary Towsey's Quartet, "O, Huch Thee, My Baby" (Sullivan).
10.4: God Save the King.

10.4: God Save the King.

2YA, WELLINGTON (420 METRES), FRIDAY, JULY 20.

3 p.m.: Chimes of the G.P.O. clock. Selected gramophone items. 4.30 and 4.55: Sports results to hand.

5.0: Close down.
6.0: Children's session—Uncle Ernest. Recitation, Cousin Pamela, "Before Tea" (A. A. Milne). Vocal duet, Cousins Mavis and Queenie, selected. Birthday greetings. Recitation, "Cousin Marjorie, "Long Ago" (MS.). Song. Cousin Zena, "Violets" (Cabriel). Travel talk, Uncle Ernest. Recitation, Cousin Pamela, "Tale of a Fairy" (MS.). Recitation, Cousin Marjorie, "Very Nearly" (MS.) Close down.

(MS.).
7.6: News session, market reports, and sports results.
8.0: Chimes of the G.P.O. clock.
8.1: Overture—The Orchestra, (a) march, "Entry of the Gladiators" (Fucik); (b) waltz, "Tout Paris" (Waldtenfel).
8.9: Vocal quartet—Apollo Singers, "Hobin Adair" (Fletcher).
8.13: Baritone solo—Mr. S. E. Rodger, "The Last Watch" (Pinsuti).
8.18: Concertina solo—Mr. R. M. Stratmore, "Medley of Scotch Songs."
8.23: Songs at the piano—Mr. Billy Hart, (a) "Are You Lonesome, Tonight?" (Handman); (b) "Miss Annabelle Lee" (Clare and Bollack); (c) "Shine On, Harvest Moon" (Norworth).
8.33: Humour—The Two Boiled Owls, "More Hoots" (original).
8.40: Instrumental trios—Mr. Palmer's Steel Guitar Trio, (a) "Sweet Chiming Bells" (traditional); (b) "Baby Feet Go Pitter, Patter"

ing Bells" (traditional); (b) "Baby Feet Go Pitter, Patter" (Kahn). 8.47: Soprano solo-Miss Moana Goodwill, "The Valley of Laughter" (San-

derson). 8.51: Operatic selection-The Orchestra, "Cavalleria Rusticana" (Leoncavallo."

9.1: Weather forecast.
9.3: Contralto solos—Miss Hilda Chudley, (a) "In a Garden" (Hawley)
(b) "Ashes of Roses" (Woodman).

(b) "Ashes of Roses" (Woodman).

9.10: Instrumental—The Orchestra, repeat number.

9.18: Tenor solos—Mr. E. W. Robbins, (a) "Less Than the Dust" (Woodforde-Finden); (b) "Kashmiri Song" (Woodforde-Finden).

9.25: Concertina solo—Mr. R. M. Stratmore, "Under the Double Eagle" (March) (Wagner).

9.30: Novelty—The Two Boiled Owls, (a) "Henry's Made a Lady Out of Lizzie" (O'Keefe); (b) "Step On It" (De Rienzo).

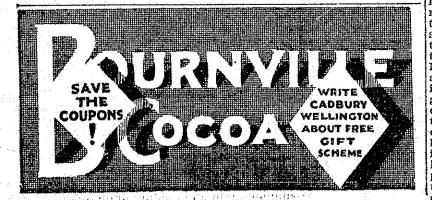
9.37: Instrumental—The Orchestra, (a) "Lieberstraum" Reverie (Von Blon); (b) "Russian Dances, Nos, 2 and 4" (Bortkiewicz).

9.47: Vocal duet—Miss Hilda Chudley and Mr. E. W. Röbbins, "Greeting" (Mendelssolm).

(Mendelssolm).

(Alenderssond).
 (Al

Ring). 10.9: God Save the King.



CARTHAGE, the ancient rival of Rome, now has a broadcasting station working en 1850 metres.

THE Chinese Government has recently opened a broadcasting station at Tientsin, near Peking, which works on a wavelength of 480 metres.

I'I pays to test the voltage of the gridbias battery occasionally, as insufficient grid-bias means a heavier-than-necessary drain upon the "B" battery.

To connect up the different stations in a recent simultaneous broadcast in the United States, over twelve thousand miles of telephone wire were employed.

WHEN humming occurs in a set which employs a low-frequency transformer, it sometimes happens that the reversal of either the primary or secondary leads of this will eliminate the trouble.

IT is asserted that during this year the French will erect three superpower broadcast stations, one of which -already under construction-will have a power of 50,000 waits in the aerial, and will replace Radio-Paris.

IF two condensers of equal value are connected in series, the total value of the arrangement will be half that of one of the condensers. When two condensers of equal value are connected in parallel, the total capacity of the arrangement will be twice that of either of the condensers.

IT is stated that the Radio Corpora-tion of America and the Film Booking Office Pietures Corporation are intending to start experiments to-gether so as to try and find a new method of synchronising sound and picture. Several important patents relat-ing to speaking films, wireless and ing to speaking films, wireless and television will be applied to these ex-

HIS Majesty the King of Afghanistan has, after several tests, purchased one English 8-valve supersonic receiver, with a gramophone pick-up and ampli-fier for the entertainment of his court. These instruments were installed at Charidge's Hotel, London, where the King stayed, and eventually accompanied him back to Kabul. In spite of the short distance from 2LO London, no difficulty was experienced in receiving foreign programmes, and His Majesty expressed his pleasure at the range of entertainment available.

HERE is an old question. "Batt" (Wanganui) writes: "Do my valves wear out the B batteries when they are not lighted? I mean, I leave my batteries connected up to the set when it is not in use, and I want to know whether this runs my B batteries down." No current drain from the B batteries can take place it the filaments of the valves are not lighted. It is better, at all events, to disconnect the batteries when the set is not in use, as it has been found that trouble will develop in the trans-former if the batteries are always connected up.

N a two-valve set, using detector and a low-frequency valve, the ordinary power valve is usually quite sufficient in the last stage; but in a three or more valve receiver, if you require big volume, then a super-power valve is necessary. It should be remembered that "super power" does not mean that the valve will provide a "super-signal strength" or that it has a big magnincation factor, because this is actually small; but it signifies that it will carry a bigger volume than the ordinary power valve, and unless a valve will carry the volume supplied to it without distortion, hopeless results will be obtained.

THE lower impedance of a super power valve helps to bring out the bass notes properly, and this is especially noticeable if a first-class loudspeaker is used. Also, the long straight portion of the characteristic long. curve available enables larger grid swings to be dealt with. It often happens that a power valve can carry the majority of the voltages imposed upon it, but gets overloaded occasionally when certain notes are played or certain instruments are used. super-power valve there is a greater margin for this kind of overloading, and consequently the reproduction will often be distinctly superior to that in the former case.

FOR perfect reception, keep the aerial away from trees and roofs of houses, keeping it as high as possible, not too long (about 100 feet, including the lead-in, is admirable. Do not solder a lead-in to the aerial wire, but take one wire for the aerial, and con-tinue it straight to the set. Keep both lead-in and earth lead insulated, and as short as possible. In dry weather, if the earth is buried below the ground, pour several buckets of water over the spot. Keep dust away from the set, by keeping the lid of the cabinet closed, and absorb all moisture by keeping a small piece of chloride in a corner of the cabinet. Keep all leads in the set as short as possible, particularly those of the grid and battery, and, above all, don't try to work off an exhausted "R" battery.

3YA CHRISTCHURCH (306 METRES), FRIDAY, JULY 20.

3 p.m.: Afternoon session—selected studio items.

4.25: Sports results. 4.25: Sports results.
6.6: Children's hour—Big Brother. Story for tiny tots by Big Brother. Chorus—Marist Choir Boys, "Come, Let Us All Be Merry." Story by Aunt Pat, "Alice in Wonderland." Chorus— Marist Choir Boys, "In Heat I'm Still a Boy." Limericks and fun by Peterkin. Birthday greetings. Chorus by Choir, "Cold the Blast May Blow." Health game talk by The Captain. Chorus by Choir. "There's a Big Let of Sunshine Coming Soon." 7.15: News session.

7.30: Sports review by Mr. J. K. Mcloney on Rughy football. 8.0: Chimes.

Overture. Vocal numbers from musical play "Te-night's the Night," by Rubens.

8.9: Opening chorus—Radiolian Quartet.

Tenor solo and chorus—Mr. Gregony Russell and quartet, "When the Boys" (Rubens).

8.16: Violin solo—Miss Irene Morris, "Souvenir" (Adlington).

8.20: Soprano and bass duct—Mrs. Claris Shaw and Mr. W. J. Richards, "Please Don't Flirt" (Rubens).

Chorus—The Quartet, "The Mannequin Ball" (Rubens).

8.27: Instrumental Trio-Christchurch Broadcasting Trio, "Rondo" (Reis-

8.27: Instrumental Trie—Christchurch Broadcasting Life, Admid (Resider).
8.33: Bass solo—Mr. W. J. Richards, "The Only Way" (Rubens).
8.37: Banjo band jazz numbers—Beresford Banjo Band, (a) "Brown Baby" (Lowe); (b) "The Possums Picnic" (Calcott).
8.45: Contraito and tenor duet—Miss Mildred Russell and Mr. Gregory Russell, "Round the Corner" (Rubens).
8.49: Recitation—Mr. J. P. Darragh, "Fair Dinkum."
8.53: Euphonium solo—Mr. S. N. Crisp, "When Summer Was" (Borston).
8.57: Soprano solo—Mrs. Claris Shaw, "I'd Like to Bring" (Rubens).
Chorus—The Quartet, "To-night's the Night."
9.0: Weather report and announcements.

9.10: Chorus—The Radiolians, "Dancing Mad" (Rubens).
9.14: Violin solo—Miss Irene Merris, "Menuet" (Porpora-Kreisler).
9.19: Contralto solo and cherus—Miss M. Russell and the Radiolians, (Rubens). "Stars"

9.23: Banjo band jazz numbers—Beresford Ranjo Band, (a) "Back I Went to Parliament" (Wester and Lee); (b) "Winsome Willie" (Armstrong).

9.36; Tener solo—Mr. Gregory Hussell, "Pink and White" (Rubens).
9.33; Euphonium solo—Mr. S. M. Crisp, "H Trovatore" (Verdi).
9.38; Bass solo—Mr. W. J. Richards, "I'm a Millionaire" (Rubens).
9.42; Instrumental Trio—Christchurch Broadcasting Trio, "Two Dances" from "Faust" (Journed).
9.48; Humour—Mr. J. P. Barragh, "Canine Broubles."

9.53: Seprano solo and final chorus—Mrs. Shaw and Radiolians. (a) "Play
Me That Tune" (Rubens); (b) "To-night's the Night" (Rubens).
9.59: Banjo band jazz mumbers—Beresford Banjo Band, (a) "Daddy Long
Legs" (Grimshaw): (b) "We All Said No!" (Castling).
God Save the King.

4YA DUNEDIN (463 METRES), FRIDAY, JULY 20.

3 p.m.: Town Hall Chimes.

3.1: Gramophone recital. 3.15: Talk on "Fashious" by Miss Buccleuch of the D.S.A., Ltd.

Relay of afternoon-ten music from the Savoy.

3.45: Studio music. 4.0: Relay of music from the Savey.

4.15: Gramophene recital.

4.25: Sports results. 4.30: Close down.

Town Hall Chimes. 6.1: Children's session-Aunt Shelle and Big Brother Bill.—The musical

items for this programme will be provided by the Forbury School children. A trip on the time secoter.

7.15: News session. 7.30: Lecturette.

8.0: Town Hall Chimes.

Overture,

8.10: Mezzo-soprano soles—Miss Melly Vickers, (a) "You'll Gir Heaps of Lickin's" (Clarke), "Prayer Perfect" (Stenson). 8.16: Cornet solo—Mr. George Christie, "Will Ye No Come Fack Again ?

(Round).

(Round).

8.24: Baritone solo-Mr. L. M. Cachemaille, "The White Bird" (Clarke).

8.24: Barnone solo—Mr. I. M. Chenemaine, The White Bird (Cerke).
8.27: Humorous recitals—Miss Shella Neilson, L.T.C.L., (a) "My Tea Shep in St. Omer"; (b) "The French Maid" (May).
8.35: Pianeforte solo—Mrs. Ernest Drake, L.A.B., "Saquidillos" (Alkeniz).
8.39: Mezzo-soprano solo—Miss McZly Vickers, "By the Waters of Minnetonka" (Lieurance).

8.42: Cornet solos—Mr. George Christie, (a) "Till the Sands of the Desert Grow Cold" (Ball); (b) "Song Without Words" (Mendelssohn).
8.51: Baritone solos—Mr. L. M. Cachemaille, (a) "The Garden Where My Soul Was Born" (Clarke); (b) "At the Shrine of Aphodite"

(Clarke). 8.58: Recital—Miss Sheila Nellson, "The Ballad of War,"

Weather forecast.

Relay of dance music from the Savoy (Alf Carey and his Orchestra).

Saturday July 21

1YA, AUCKLAND (333 METRES), SATURDAY, JULY 21. 2.45 p.m.: Relay description of Rugby football match from Eden Park. Mr.

W. J. Meredith, amouncer. 4.30: Close down.

6.0: Children's hour, conducted by Cinderella. Piano solo, Cousin Phyllis, "Mazurka" (Durand). Duclogue, Marjory Brown and Nancy Noy, "When Baby Swallowed the Pin." Letters and birthdays.
Sketch, Cousin Betty, "Child Impersonations." Piano sele,
Cousin Phyllis, "Musical Box." Duologue, Cousins Marjory and
Nancy, "Dolly's Names." Story-time.
7.15: News and market reports, sports results.

8.0: Chimes 8.1: Relay of orverture from Prince Edward Theatre Orchestra, under Mr. Ern. Beacham.

8.11: Vocal quartet—The Lyric Quartet, "De Sandman" (Neiderler).
8.15: Tenor solo—Mr. Herbert Richards, "Sledge Song" (Lewis).
8.19: Vocal and instrumental—The Bohemian Trio, (a) "The World is

Waiting" (Leitz): (h) "Since I Found You" (Johnson).

8.27: Humour—Mr. Alan McElwain, "The Stror 'at Coot" (Dennis).

8.32: Guitar and piano—"Good for the Soul" (Bright).

8.36: Vocal quartet—The Lyric Quartet, "Dinah."

8.40: Relay of entracte from Prince Edward Theatre Orchestra.

8.50: Bass solo—Mr. Ernest Thomas, "Batchefors of Devon" (German).

8.54: Vocal and instrumental—Bohemian Trio, (a) "Take" This Research (Jones); (b) "Plantation Lullaby" (Warren). Weather forecast.

9.3: Tenor solo—Mr. Arthur Ripley, "Little Mother o' Mine" (Burleigh), 9.7: Guitar and piano—"Community Blues" (Bright). 9.11: Yocal quartet—The Lyric Quartet, "Little Tommy" (Smith).

9.15: Relay of dance music from Dixieland Cabaret, under Mr. Harry Niel-11.0: God Save the King.

Zandkaderennender keraterings verder boerden beneder boerden beneder boert boerden beneder beneder begegt bede

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