Programmes Continued

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

8.0: Chimes. Relay of special orchestral selections from Everybody's Picture Theatre Orchestra, under conductorship of Mr. Albert Bidgood, by arrangement.

8.15: Duet of happy songs—Misses Dorothy (piano) and Edna Johnson (ukulele), (a) "Drifting and Dreaming," Alstyne; (b) "Don't Say Aloha
When I Go," Moret.

8.19: Operatic tenor solo—Mr. Douglas Suckling, "That Night I'll Ne'er Forget" from the opera "Les Cloches de Cornville," Planquete.

9.27: Visits color Miss Frame Mosting, "Saranda" Druth

8.23: Violin solos—Miss Irene Morris, "Serenade," Drdla.
8.27: Meanderings of Monty—Mr. Alec Dey, "Monty on Fashions," Hayes.
8.32: Instrumental trios—Christchurch Broadcasting Trio, (a) "Spring Song,"

Mendelssohn; (b) "Serenata," Moskowski.
8.40: Songs with ukulele—Mr. Roy August, "Mama's Gone Young, Papa's

Gone Old," Weston.

8.44: Solo at piano—Miss Alleen Warren, "Country Gardens," Grainger.

8.48: Duet of happy songs at piano—Misses Dorothy Johnson (piano) and
Edna Johnson (ukulele), (a) "Ain't She Sweet?" Ager; (b) "What
Does it Matter?" Bertin.

8.52: Tenor solo-Mr. Douglas Suckling, "Home! Little Maori, Home," Hill. 8.56: Violin solos-Miss Irene Morris, "Chanson Valse," Pussard, 9.0: Relay of special orchestral selections, by arrangement from Everybody's Theatre,

 9.15: Songs with ukulele—Mr. Roy August, "Looking at the World Through Rose-coloured Glasses," Steiger.
 9.19: Instrumental trio—Christchurch Broadcasting Trio, "Molto Allegro," Mendelssohn.

9.24: Duet of happy songs at the piano—Misses Dorothy (piano) and Edna Johnson (ukulele), (a) "Ukulele Dream Girl," Law; (b) "Hello, Bluebird," Friend.

9.28: Tenor solo—Mr. Douglas Suckling, "The Sailors of the King," Byng. 932: Solo on piano—Miss Aileen Warren, "Lorely," Seeling. 9.34: Sydney East-End lingo in verse—Mr. Alec Dey, "The Stror 'at Coot"

from "The Sentimental Bloke," Dennis

9.40: Relay from Olympia Motor Show of band items.
9.55: Songs with ukuleie—Mr. Roy August, "Hi, Diddle Diddle," Keidel.
9.59: Instrumental trios—Christchurch Broadcasting Trio, (a) "Three Fours Valse," Taylor; (b) "Musical Moments," Schubert. Interspersed with items from the orchestra at the Olympia Motor Show.

Close down. 4YA DUNEDIN—SILENT.

Thursday, November 10th

1YA AUCKLAND (333 METRES)-THURSDAY, NOVEMBER 10.

3 to 4.30 p.m.: Afternoon session—Selected studio items. 6 to 7: Children's hour. 7.15 to 7.45: News and reports.

8.0: Chimes.

8.1: Relay of orchestral overture from Rialto Theatre. Henry C. Engel,

conductor. 8.12: Soprano solo-Mrs. Cyril Towsey, "When All Was Young" from "Faust," Gounod. 8.17: Saxophone solos-Miss Marjorie Greening, (a) "Fox-trot Medley"; (b)

selected.

8.25: Piano solo-Mr. Cyril Towsey, "Moonlight Sonata," Beethoven. 8.32: Baritone solo-Mr. Frank Sutherland, "Shipmates o' Mine," Sanderson.

8.37: Humour—Mr. J. A. Sharp, humour.
8.43: Instrumental—Mrs. Robertson's Trio, (a) "Swedish Folk Song," Svendon; (b) "Menuet," Haydn.
8.51: Duet—Miss I. Thomson and Mrs. Towsey, "When Song is Sweet," Chappell.
8.56: Relay of remaind interlude from Moiestic Theotre

8.56: Relay of musical interlude from Majestic Theatre.

Weather forecast.

9.6: Weather forecast.
9.7: Contraito solo—Miss I. Thompson, "O, Thou that Teilest," Handel.
9.12: Piano solo—Mr. C. Towsey, "Prelude and Fugue," Bach.
9.19: Duet—Miss Thomson and Mrs. C. Towsey, "Sink, Red Sun," Del Riego.
9.24: Saxophone solo—Miss M. Greening, popular numbers.
9.29: Relay of musical entracte from Majestic Theatre,
9.40: Baritone solo—Mr. F. Sutherland, (a) "Drumadoon," Sanderson; "Son of Mine," Wallace,
9.48: Humour—Mr. J. Sharp, more humour.
9.54: Instrumental—Mrs. Robertson's Trio, "March Militaire," Schubert.
9.59: A thought.

9.59: A. thought.

10.0: God Save the King.

2YA, WELLINGTON (420 meires)-THURSDAY, NOVEMBER 10.

11.30 a.m.: Subject suitable conditions rebroadcast 3YA, Christchurch, in Carnival Week. Races interspersed with selected gramophone items. 5.0: Close down.

6.0: Children's session. Entertainment by the Wellington Harmonic Society—Folk song, the choir, "The Farmer's Daughter, Williams; Folk Song, the choir, "King Arthur," Robertson; Shanty Male Voices, "What Shall We do With the Drunken Sailor?" Terry; solo, Mrs. W. J. Coventry, "The Bailiff's Daughter; Folk Songs, the choir, "John Grunlie," Robertson, "Richard of Taunton Dene," Williams; quartet harmonic, "The Ash Grove," Branscombe; Folk Songs, the choir, "The Laird of Cockpen," Robertson, "Irish Tune from County Derry," Grainger, "I'm Seventeen Come Sunday," Grainger.

7.0: News session, market reports and sporting results.

7.40: Lecturette—Mr. W. King, D.E.B.A., "Esperanto."

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

8.1: March—Ist Battalion Wellington Regiment, "On Tour" (V. White).

8.6: Tenor solo—Mr. Harry Phipps, "Laugh and Sing" (Drummond).

8.10: Selection—7st. Battalion Wellington Regiment, "Yar Und Yimmerman" (Lortzing). 6.0: Children's session. Entertainment by the Wellington Harmonic Society-

(Lortzing).

8.18: Quartet (Lyric Quartet)—(a) "Foresters, Sound the Horn" (Bishop); (b) "Every Rustling Tree" (Kahlan).
8.23: Valse—1st. Battalion Militaire Wellington Regiment "The Grenadiers"

(Rimmer).

8.29: Baritone, Mr. Will Goudie, "The Stoker" (Arundale).

8.35: Fox-trot—Ist. Battalion Wellington Regiment, "Humming" (Manuel

Bilton).
840: Quartet—Lyric Quartet, "Laughing" (Abt).
8.45: Two-step—1st. Battalion Wellington Regiment, "Happy" (Manuel Bilton).

8.52: Fantasia-ist. Battalion Wellington Regiment, "La Traviata" (Verdi). Weather report,

9.1: Lecturette—Mr. Arch. Sando, of THE DOMINION. Subject, "The Home of 2YA—Retrospect of Wellington."
9.17: Reverie—1st. Battalion Wellington Regiment, "Bells at Sunset" (Mc-

Kenzie). 9.23: Quartet, Lyric Quartet-"Pussy's in the Well" (Herbert).

9.28: Intermezzo-1st. Battalion Wellington Regiment, "Rosebuds" (Ord

Hume).

9.34: Bass—Mr. W. Binet Brown, "Reuben Ranzo" (Coates).

9.40. Tenor—Mr. George Howe, "Mountain Lovers" (Squire).

9.43: Selection—1st. Battalion Wellington Regiment, "Golden Cross" (Green-

wood).

9.54: Quartet—Lyric Quartet, "Soldier's Farewell" (Kinkel). 9.59: March—1st. Battalion Wellington Regiment, "The Aide-de-Camp" (Ord

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Hume).

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Experimental transmission on 28.5 metres was conducted from 2FC Sydney on Monday last from 5.15 a.m to 7.10 a.m., New Zealand time. A specially good programme was submitted for reception in Britain, Canada, and the United States, reception in Wellington being at splendid loud-speaker strength. The test was arranged by Amalgamated Wireless (A'sia.), Ltd., and was also transmitted on 442 metres for the benefit of Austrelian listeners tralian listeners.

Radio stages of amplification, added to a detector valve, will oscillate, due to feedback from the plate to the grid circuits of each tube, due to capacitance between the elements of the tube. The use of a neutralising condenser is to neutralise the effect. This allows of the radio stages being worked almost on the point of oscillation, which is the point of extreme sensitivity. Stations then come in without heterodyning. Should regeneration be in-troduced into the detector circuit, a greater signal strength will be obtain ed, but the quality of the signals will not be as good. Thus for purity of tone one should exclude regeneration from a circuit using a sufficient number of valves to bring the volume of signals up to normal.

If a variable condenser is used in the primary circuit (the aerial circuit) of a receiving set, it is best to connect it on the ground side of the primary winding, with the rotary plates attached to the ground binding post, so that body-capacity effects will be minimised. The rotary plates of the secondary variable condenser be minimised. The rotary plates of the secondary variable condenser should always be connected to the filament of the valve, never to the grid, for the same reason.

There are approximately 90,000,000 people who now receive radio programmes, according to a report made to Secretary Herbert Hoover by Lawrence D. Batson, of the Electrical Equipment Division of the United States Department of Commerce. About 18,000,000 sets are used. At least 200,000,000 sets would be necessary to serve all the necessary to se would be necessary to serve all the people, there being five persons to every



Mrs. J. Marshall, a regular singer at

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Lead ore (Galena) has been used successfully as a rectifier of radio frethe begin ning of radio, and it is still in use. This crystal is extremely sensitive, but will not retain adjustment when detecting a large signal voltage; thus, this crystal is exceptionally good for the rectifica-

tion of weak impulses. This crystal uld be used where signals are weak. The application of the catwhisker should be light, as a heavy pressure will prevent it from rectifying.

A representative of the recent New York radio fair said that great interest was being shown in radio parts, revealing that many listeners expected to build their sets during the coming year. The smallest details of both sets and parts have been the subject of unusual attention by the younger generation of show visitors, he said.

Australian broadcasting stations are not allowed as a general rule to send over the air straight-out messages to individuals. Exceptions are sometimes made, however, as in a case which came under notice this week. A man living away up in the bush came to Sydney to undergo a serious operation. His family are beyond reach of telegraph, and it takes four days for a letter to each his home. In these circumstances the radio inspector readily agreed to station 2BL sending "a bulletin" every day as to his progress to his friends in the country.

RADIO LITERATURE TE ARO BOOK DEPOT, Gas Co.'s Bldgs.. Courtenay Place, WELLINGTON.

Specialists in Radio Publications. Stocks Every Overseas Mail. Latest issue of:—Radio Call Book, 2/3; Radio News, 1/11; Popular Radio, 2/1; Radio Broadcast, 2/9; Radio (American), 1/11; Q.S.T., 1/11; Radio Encyclopedia (Gernsback), 11/2. 3YA CHRISTCHURCH (306 METRES)—THURSDAY, NOVEMBER 10,

8 to 8.30 a.m.: Breakfast session-News items; the day's race card; conditions of roads; attractions in Christchurch for the day.

11.30: Relay Description progress Metropolitan Trotting Club's meeting at Addington.

5.30 to 6.30 p.m.: Children's session, by Uncle Jack.

6.30 to 7.15 p.m.: Orchestral music.

7.15 to 8: News sessions.
80: Chimes. Relay of orchestral selections from Everybody's Picture Theatre Orchestra, under conductorship of Mr. Albert Bidgood (with kind

permission of management).

8.15: Bass solo—Mr. T. D. Williams, "Zummerzetshire," Newton.

8.19: Soprano solo—Miss Frances Hamerton, "I Know a Bank," Lehmann.

8.22: Quartet—Christchurch Broadcasting Quartet, "The Hunting Song," Bene-

8.26: Tenor solo—Mr. Russell Sumner, "Mistress, Mine," Quilter.
8.30: Instrumental trios—Christchurch Broadcasting Trio, (a) "Ave Maria,"
Gounod; (b) "Turkish Rondo," Mozart.
8.38: Humour—3YA Announcer, "My Own Punch" (funniosities from real

life).

8.42: Contralto solo—Miss Belle Renaut, "Off to Market, Johnny," Humphries. 8.46: Vocal duet—Miss Frances Hamerton and Mr. Russell Sumner, "You Swear to be Good and True," Cellier. 8.50: Instrumental trio—Christchurch Broadcasting Trio, "Suvenir de Sorrento," Severne.

8.55: Bass solo-Mr. T. D. Williams, "Gee Wup, Hosses," Smith.

9.0: Relay from Everybody's Theatre.
9.15: Contralto solo—Miss Belle Renaut, "Danny Boy," Weatherley,
9.19: Tenor solo—Mr. Russell Sumner, "Linden Lea," Williams.
9.23: Soprano solo and chorus—Miss Frances Hamerton and chorus, "They
All Follow Me," Kerker.
9.28: Contralto solo—Miss Belle Renaut, "Ma Lindy Lou," Strickland.
9.32: Relay of band music from Olympia Show.
9.42: Tenor and base dynt—Messeys Russell Symmer and T. D. Williams "Exa-

9.42: Tenor and bass duet-Messrs. Russell Sumner and T. D. Williams, "Excelsior," Balfe.

ceisior," Batte.

9.47: Soprano solo—Miss Frances Hamerton, "Morning Song," Quilter,

9.50: Humour—3YA Announcer, "Daniel and the Lions."

9.51: Soprano and tenor duet—Misses Frances Hamerton and Mr. Russell Sumner, "When We are Married," Kerker.

9.55: Instrumental trios—Christchurch Broadcasting Trio, (a) "Prelude in C Sharp Minor," Rachmaninoff; (b) "The Dolf Dance," Poldini,

10.30: Close down. 10.30: Close down.

4YA, DUNEDIN (463 metres)-THURSDAY, NOVEMBER 10.

7 p.m.: Town Hall chimes.

7.1: Request gramophone recital. 8.0: Town Hall chimes.

Special programme for dancing by the Kapai Dance Band and assisting

artists. 8.1: One-steps-Kapai Dance Band, (a) "Hello, Bluebird"; (b) "What's the

Use of Crying?" 8.7: Baritone solos-Mr. J. Clarke (a) "Bedouin Love Song," Pinsuti; (b)

selected.

8.13: One-steps—Kapai Dance Band, (a) "Mary Lou"; (b) "Idolising."

8.19: Violin solo—Mr. Dagg, "Serenade," Schubert.

8.23: Quadrilles—By the Kapai Dance Band.

8.30: Saxophone solo—Mr. M. Horn, "O, Star of Eve," from "Tannhauser,"

Wagner.

8.34: Walkers Kapai Dance Band. (a) "Paradise in Mother's Eves": (b)

8.34: Waltzes—Kapai Dance Band, (a) "Paradise in Mother's Eyes"; (b) "So Blue."

8.40: Soprano solos—Miss Marie Tucker, (a) "The Star," Roger; (b) "Pale Moon," Logan.
8.45: Address, by Rev. H. E. Bellhouse, "The League of Nations."
9.0: Baritone solos—Mr. J. Clark, (a) "Five-and-Twenty Sailor Men," C.
Taylor; (b) "Mulcteer of Malagar," Trotere.
9.6: Fox-tots—Kapai Dance Band, (a) "Blue Skies"; (b) "Mamma's Gone Voung" Young."

9.12: Cornet solo-Mr. R. Shannon, selected.

9.16: O'Alberts—By Kapai Dance Band.
9.22: Waltz selection—Kapai Dance Band, "Old Airs."
9.28: Soprano solo—Miss M. Tucker, "Wait," d'Hardelot.
9.34: Medley selection—Kapai Dance Band, "War-time Melodies."
9.40: Violin solo—Mr. D. Dagg, "Souvenir," Drdla.
9.45: Saxophone solo—Mr. M. Horn, selected.
9.50: One-steps—Kapai Dance Band, (a) "My Cutie's Due"; (b) "Baby Face." 10.0: Close down.

Friday, November 11th

1YA AUCKLAND (333 METRES)-FRIDAY, NOVEMBER 11,

3 to 4.30 p.m.: Afternoon session-Selected studio items.

6 to 7: Children's hour.

7.15: News and reports.

7.30 to 7.45: Talk on "Motoring," by Mr. Geo. Campbell.

8.0: Chimes.
8.1: Relay of overture from Prince Edward Theatre. Mr. Geo. Poore, con-

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