Programmes Continued

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4.0: Music from the Savov.

4.15: His Master's Voice recital.

4.25: Sporting results.

6.0: Children's hour, conducted by Auntie Sheila and Big Brother Bill. The musical part of this programme will be provided by the No. 1 Company of the Anderson's Bay Girl Guides, under Miss L. Wilson, captain. The programme will be, as far as practicable, the songs and choruses, with the Company Haka, used by the Guides in their meetings.

7.15: News session.
7.30: An address by Mr. H. Greenwood, Librarian of Dunedin Athenaeum,
on "Review of the Latest Books."
8.0: Orchestral selection.

8.5: Tenor solos—Mr. L. E. Dalley, (a) "From the Land of the Sky Blue Water" (Cadman); (b) "The Moon Drops Low" (Cadman).
8.10: Pianoforte solo—Miss Marjorie McDowell, "Staccato Caprice" (Vog-

8.13: Mezzo-soprano solo-Miss Molly Vickers, "The Bird with the Broken

Wing" (Golson).

8.16: Bass solos—Mr. J. B. Macpherson. (a) "Brian of Glenaar" (Graham);
(b) "The Tavern Song" (Fisher).

8.22: Recitation—Miss Shella Neilson, "The Sisters" (Whittier).

8.26: Soprano solos—Miss Florence Sumner, (a) "He Shall Feed His Flock"
(Handel); (b) "Come Unto Him" (Handel).

8.31: Orchestral selection.

8.31: Orchestral selection.
8.35: Vocal duet—Messrs. Dalley and Macpherson, "For You Alone" (Gheel).
8.38: Mezzo-soprano solos—Miss Molly Vickers, (a) "At Dawning" (Cadman); (b) "The Spinning Wheel" (Thomson).
8.43: Pianoforte solos—Miss Marjorie McDowell, (a) "The Juggleress" (Moskay: Tenor solo—Mr. L. E. Dalley, "The Amber and Amethyst" (Carse).
8.49: Tenor solo—Mr. L. E. Dalley, "The Amber and Amethyst" (Carse).
8.53: Recitations—Miss Shella Neilson, (a) "Orange Blossom" (Rohmer);
(b) "The Journey" (Fisk).

9.0: Soprano solos—Miss Florence Sumner, (a) "All Roads Lead Home" (Tate); (b) "Banks of Allan Water."

9.5: Weather report and forecast.9.8: Relay of dance music from the Savoy, by Alf. Carey and his Orchestra.

Saturday, May 26

1YA AUCKLAND (333 METRES)—SATURDAY, MAY 26.

2.45 p.m.: Relay of Rugby football from Eden Park.
6.0: Children's hour, conducted by Cinderella. Piano solo, Josephine Tol"Torrecontr" (Schubert). Song, Anita Webb, "Sunhurst, "Impromptu" (Schubert). Song, Anita Webb, "Sundown" (Feist). Story for tiny tots. Letters and birthdays. Record. Piano solo—Josephine Tolhurst, "Marche Militaire" (Schubert). Story, Cinderella. 7.15: News and sports results.

8.0: Chimes.

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8.1: Relay of overture from Prince Edward Theatre Orchestra.
8.15: Grand chorus—Miss Alma McGruer and Lyric Quartet, "Wedding March," from "Lohengrin" (Wagner).
8.20: Tenor solo—Mr. A. Ripley, "The Star" (Rogers).
8.24: Soprano solo—Miss Alma McGruer, "The Pipes of Pan" (Moncton).
8.28: Vocal quartet—The Lyric Quartet, "Rockin' in the Wind" (Parkes).
8.32: Bass solo—Mr. E. Thomas, "A Rollicking Rolling Stone" (Weather-lov).

8.36: Vocal solo and quartet-Miss Alma McGruer and Lyric Quartet, "A

Ghost Story.

8.41: Relay of entracte from Prince Edward Theatre Orchestra. 8.51: Tenor solo-Mr. H. Richards, "Come, Sing to Me" (Thompson).

8.55: Vocal duet-Miss McGruer and Mr. Ripley, "Keep on Humming" (Maxwell). 8.59: Weather report and forecast.

Humour—Mr. McElwain, some humour. Vocal quartet—The Lyric Quartet, "Spin, Spin" (Norwegian folk

9.9: Relay of dance music by the Internationals from Dixieland Cabaret,

under Mr. Clyde Howley. 11.0: God Save the King.

2YA WELLINGTON (420 METRES)-SATURDAY, MAY 26.

3 p.m.: Chimes of the General Post Office clock, Wellington.

3.1: Description of Rughy football match from Athletic Park. Announcer Mr. Chas. Lamberg.

Children's hour-Auntie Dot and Uncle Toby and the Cheerio Girls.

News session, market reports, and sports results.
Chimes of the General Post Office clock, Wellington.
Overture—The Orchestra, "Carmen" (Bizet).
Quartet—Melodie Four, "Old Man Moses" (Hume).
Light vocal—The Glad Idlers, "The Good Little Boy and the Bad Little

Boy" (Weston and Lee).

8.14: Instrumental—The Orchestra, (a) "The Volga Boatmen" (Russian folk song); (b) "Haunting Humoreske" (Black).
8.22: Humour—Mr. Geo. Titchener, "The Coster at His Wedding,"
8.28: Bass solo—Mr. W. W. Marshall, "A Chip of the Old Block" (Squire).
8.33: Jazz piano solos, (a) "Golden Sunset Waltz"; (b) "Henry's Made a

Lady Out of Lizzie."

8.40: Tenor solo and quartet—Mr. S. Duncan and the Melodie Four, "Image of the Rose" (Reichardt).

8.44: Italian mandolin—Mr. Lad Haywood, (a) "Blue Skies" (Berlin); (b) "Bird's-eye View" (Donaldson).

8.51: Light vocal-The Glad Idlers, medley of popular hits.

8.59: Weather report and announcements.
9.1': Instrumental—The Orchestra, (a) "In a Clock Store" (Orth); (b)
"American Patrol" (Meacham).
9.9: Tenor solo—Mr. F. Bryant, "I Heard You Singing" (Coates).
9.13': Baritone solo—Mr. R. S. Allwright, "The Yeoman's Wedding Song"
(Poniatowski).
9.18: Instrumental—The Orchestra, request numbers

9.18: Instrumental—The Orchestra, request numbers.
9.26: Humour—Mr. Geo. Titchener, "My Dictionary" (original).
9.34: Whispering baritone—Mr. Jack Dunne, (a) "Give and Take" (Ben-

nett); (b) "A Little White House at the End of Honeymoon Lane" (Hanby).

Lane" (Hanby).

9.40: Italian mandolin—Mr. Lad Haywood, (a) "Rose Marie" (Friml); (b)

"Indian Love Call" (Friml).

9.46: Tenor—Mr. S. Duncan, "Alice, Where Art Thou?"

9.50: Quartet—Melodie Four, "Lay My Head Beneath a Rose," by request

(Falkinstein, arr. F. Crowther).

9.54: Dance programme. Vocal choruses by the Glad Idlers.

10.0: Whispering baritone—Mr. Jack Dunne, (a) "Falling in Love With

You" (Meyer); (b) "When the Love Bird Leaves the Nest"

(Wade). (Wade).

10.6: Dance items. 11.0: National Anthem.

3YA CHRISTCHURCH (306 METRES)—SATURDAY, MAY 26.

12 noon: Relay of civic reception accorded to visitors to Christchurch for the Diamond Jubilee from City Council Chambers.

2.45 p.m.: Description of Rugby football from Lancaster Park, by Mr. A

Children's hour-Uncle Sam and Aunt May.

7.15: News session.

7.30: Sports results. 8.0: Relay of band items and community singing from Victoria Square. A description will be given of the city by night-illuminations and

The following programme will be given from 3YA studio during intervals of description of the evening's proceedings:—

Musical monologue at the plano—Mr. Cyril Avondale, "If I Had a

Little Garden of My Own" (own). Humorous recitation-Mr. Sydney Comfort, "A Tail of the Horse-

stralian Bush" (own arrangement).

Instrumental trios—Christchurch Broadcasting Trio, (a) "Nocturne" (Widor); (b) "Hungarian Dance, No. 2" (Brahms).

Musical monologue—Mr. Cyril Avondale, "'Erbert's 'At" (own ar-

rangement). Ilumorous recitation—Mr. Sydney Comfort, "Humorous Mimicry."
Instrumental trios—Christchurch Broadcasting Trio, (a) "Songs My Mother Taught Me" (Dvorak); (b) "Festival Dance" (Hart-

THERE is more than one way for a radio wave to get to Africa. WGY and its shore wave station, 2XAF and 2XAD, have travelled the 8000 miles to Johannesburg direct on many occasions, but according to the "Rand Daily Mail," of Johannesburg, the wave on January 2, 1928, was rerouted by way of Daventry, and a double rebroadcast was accomplished. Daventry picked up and rebroadcast 2XAF, of Schenectady, and JB, of Johannesburg, picked up Daventry's rebroadcast, and rebroadcast that sig-nal. The "Rand Daily Mail's" story, and the heading, "Unique Broadcasting Feat—A Triumph of Relaying," follows: "A unique achievement in the history of wireless reception in South Africa was achieved by JB last night. WGY (Schenectady) broadcast a special programme for Europe, which was picked up by Daventry (England), relayed by this station, and received clearly by JB, where it was again broadcast for the benefit of enthusiasts in South Africa. Thus the American programme had travelled across the Atlantic to England, and from there down to South Africa, where it was distributed to every listener-in. Other items caught from Daventry by JB were 'Hitchy-Koo," from Katinka, and musical selections."

THE editor of the New York "Radio News" is optimistic regarding television. He says: "What will happen in the future and during the next cycle of radio progress, no one can foretell exactly; but, for one thing, it is quite certain that during the next two years a new adjunct to radio's utility will come along in the form of television. You will have a television attachment, just as you have a laudspeaker to-day. You will plug it in to your radio set at the same time you plug in your radio loudspeaker;



MR. JAMES LAURENSON.

A well-known and popular elocutionist at 3YA. Mr. Laurenson was a prizewinner at the Competitions.

-Steffano Webb, photo. namacsanomacsumicsus en manacsus en alla companion de la companion de la companion de la companion de la compa

and you will see the distant events on your television 'screen' as you hear them on your loudspeaker, both at the

APPLY a small daub of rubber cement around the needle shaft of the cone speaker if it has developed a buzz or rattle that is especially no-ticeable on fairly weak volume. Use the kind of cement that remains semiflexible after drying thoroughly, and place it at the point of connection of the needle shaft with the cone tip. On the front side, back off the small nut on the shaft end enough to allow the cement to coat its surface, and dry before tightening the nut, forming thus a rubber washer. After tightening the nut apply one more coating of cement over the nut and chaft and the rubber washer. shaft end. Do not tighten the nut more than necessary, otherwise it is Do not tighten the nut possible to cut through the first cont-Glue will work satisfactorily for the volume usually required for best reproduction with cone speakers, but rubber cement is superior when low volume is desired.

THE only important wires which must be kept short and free of all others are those running directly from the grid posts of the valve sokets to related instruments. It is advisable, but not so urgently essential, to keep the grid connections on the audio amplifiers short. However, if they do take a few twists or lie across some other wires they will not seriously affect the operation of the receiver, as similarly mistreated wires in the radio-frequency magnifiers are certain to do. All the other wires in a set, including the filament returns, the A, B and C battery and rheostat and switch leads, may be bunched together into one cable without harming the outfit in the slightest. There is no need at all for stiff busbar and carefully separated connec-tions; insulated solid or flexible No. 18 wire is just as good and can be handled much more easily.

AN outdoor aerial must not touch anything unless it is an excellent insulator, and the fewer points touches, even though they are insulators, the better the aerial installation and the more energy comes to the receiving set.

4YA DUNEDIN (463 METRES)—SATURDAY, MAY 26.

2.45 p.m.: Relay of Rugby football from Carisbrook ground.

7.15: News session.

7.30: Lecture, under the auspices of the W.E.A., by Mr. Lloyd Ross, M.A., on "Witches."

Town Hall chimes.

dock).

8.1: Relay of orehestral selections from the Empire Theatre.
8.13: Baritone solo—Mr. R. M. Tuohy, (a) "When the House is Asleep" (Haigh); (b) "The Old Flagged Path" (Arundale).
8.20: Cornet solo—Mr. George Christie, "The Soul's Awakening" (Hade-

8.25: Vocal quartet—4YA Harmonists, "The Hunt" (Coward). 8.29: Violin solos—Mr. A. R. Watson, (a) "Ave Maria" (Schubert); (b) "Andante and Allegro" (Bach).

8.30: Soprano solos—Miss Roma Buss; (a) "Hills of Donegal" (Sander son); (b) "Dreaming of Home" (Besley).

8.45: Relay of orchestral selections from the Empire Theatre. 8.55: Vocal quartet—4YA Harmonists, "A Stitch in Time" (Coward). Weather forecast and announcements.

9.3: Tenor solos—Mr. A. R. Mitchell, (a) "Fairy Tales of Ireland" (Coates); (b) "Now Sleeps the Crimson Petal" (Quilter).
9.12: Flute solo—Mr. J. W. Stewart, "The Virgin's Last Slumber" (Mas-"Fairy Tales of Ireland"

senet). 9.17: Mezzo-soprano solo-Miss Mollie Andrews, "A Heart that's Free"

(Robyn).

9.21: Cornet solos—Mr. George Christie, (a) "When Thou Cometh" (Rossini); (b) "Songs Without Words" (Hans).

9.28: Vocal quartet—4YA Harmonists, "They Know Not My Heart" (Standard) ford).

9.32: Violin solo—Mr. A. R. Watson, "Ballet," from "Orpheus" (Gluck). 9.36: Mezzo-soprano solo—Miss Mollie Andrews, "Song of the Palanquin Bearers" (Shaw).

9.40: Flute solos-Mr. J. W. Stewart, (a) "Zigeuner Tanz" (Buckner); (b)

"Elegic Non Suite" (Krantz).
9.47: Relay of orchestral music from the Empire Theatre.

10.0: God Save the King.

Sunday, May 27

1YA AUCKLAND (333 METRES)—SUNDAY, MAY 27.

p.m.: Afternoon session-Selected gramophone items. 4.0: Literary selection by the Announcer,

Further selected gramophone items.

4.30: Close down.

Children's service, conducted by Big Brother George, as cousins from St. David's Presbyterian Sunday School. assisted by

6.55: Relay of evening service from Congregational Church. Preacher (Rev. Lional Fletcher. Choirmaster, Mr. W. Gemmell. 8.30: Relay of Municipal Band concert, under the direction of Mr. Christo-Preacher !

pher Smith. 9.30: God Save the King.

2YA WELLINGTON (420 METRES)-SUNDAY, MAY 27.

3 p.m. to 4.30 p.m.: Afternoon session.

6.0: Children's song service—Uncle Ernest. 6.55: Relay of evening service of St. Gerard's Redemptorist Church, Hawker

Street, Wellington. Organ solo—"Flemish Folk Song," arr. Roper (Bosworth). Rosary—"With Choral Responses." Antiphon—"Regina Coeli" (Witzska).

Motets--"Mother Mary, Queen Most Sweet" (Anon.); "As the Hart

Pants," 42nd Psalm (Mendelssohn). Organ solo-"Hail, Queen of Heaven" (traditional).

Benediction.
Motets—"O Salutaris Hostia" (Clements). "Veni Sancte Spiritus." (Vogler). "Tantum Ergo" (Beethoven). "Divine Pr (Anon.). "Adoremus and Laudate Dominum" (Barrett). Organ solo—"Finale March," from "Jessonda" (Spohr).

Conductor—Mr. Frank J. Oakes.

8.15 (approx.): Relay of the Port Nicholson Silver Band recital from the Grand Opera House. Conductor, Mr. J. J. Drew.

3YA CHRISTCHURCH (306 METRES)-SUNDAY, MAY 27. 11 a.m.: Relay of morning service from Trinity Congregational Church, Preacher, Rev. D. Gardner Miller.
3 p.m.: Relay of Civic Service from Anglican Cathedral. Preacher, Rev. J.

5.30 p.m.: Children's song service, conducted by Big Brother Bill, assisted Paul's Presbyterian Sunday School. 6.30: Relay of evening service from St. Paul's Presbyterian Church. Proucher, Rev. W. Bower Black, LLB. Organist and choirmaster, Mr. Norman R. Williams. Organ solos will be given after service by the organist until 8 p.m.

8.0: Musical items from 3YA studio. 8.15: Relay of sacred concert from Christchurch Municipal Concert Hall.

4YA DUNEDIN (463 METRES)—SUNDAY, MAY 27.

5.30 p.m.: Children's song service, conducted by Big Brother Bill, assisted by children from Knox Church Presbyterian Sunday School.

6.30: Sacred concert and service by the International Bible Students' Association. Address by Mr. O. G. Canty.
8.0: Relay from His Majesty's Theatre of concert by the Kaikorai Band, under the conductorship of Mr. E. Franklin, and vocal items by assisting artists.

"The rapid advance of broadcasting will, one feels, continue for many years to come, there being still many fields of activity as yet uncovered-especially the field of internatinoal relays (says the London "Radio Times"). European broadcasting authorities are patiently working to make possible a great link up' of the nation's programmes by means of telephone lines. This is intricate work, for it means the installation and connection of lines of a special weight and frequency. Such a connection between London and Vienna is now almost complete-and the day not far distant when we shall be able to receive the Viennese programmes broadcast from our British stations."

9.15: Close down.

Almost every circuit in some American radio publications is now arranged for A.C. power for plate, filament, and grid voltage. Dr. Lee Forest commented recently that Australia and Great Britain have not progressed as rapidly in radio as America.

Swiss Alps to the London Radio":-"Listened to the passing of the Old Year and the entry of 1928 from many different stations. At mid-night (11 p.m. G.M.T.) I held myself in readiness for a busy five minutes, and on the sound of the first chime of the hour commenced my rapid search. Within a very few minutes many studies had passed through my loudspeaker. First came trumpet-calls from a church steeple in Breslau. Then I found the orchestra from one Then I found the orenestra from one of the Polish transmitters playing Chopin's famous 'Military Polonzise' (Opus 40), bells again from Vienna, and on running found the German stations found nearly all of them playing 'Deutschland uber Alles.' After libraring for a wille to the different listening for a while to the different broadcasts I turned back to the homeland for a few minutes at the Savoy, Hotel, and ended the sitting listening to the beautiful Watch Night Service from York Minster."

A broadcast listener writes from the

