Full Programmes for Next

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NOTES AND COMMENTS

(By "Switch")

Accumulator terminals collect substances which in spite of cleaning always return. This is due to the electrolyte, so that it should always be wiped away from the top of the battery, and the terminals given a result of the property. and the terminals given a regular clean-ing now and again.

When soldering always place a piece of paper on the baseboard to catch any drops of solder that might otherwise mar the board.

Heat so great that steel metals evaporate as readily as alcohol in a still is now capable of being generated in a new high-frequency vacuum furnace, which utilises the same electric currents which attrises the same electric currents as those employed in radio communication. Current of a frequency corresponding to a wavelength of ten thousand metres is sent through a coil inside a vacuum bell, creating a heavy oscillating magnetic field. If a metal is placed within the roil so that it absorbs most of this course the fearing later. of this energy, the frenzied atoms generate such frictional heat in responding to the changing magnetic field that the metal is liquefied and gosified in less time than it will take the reader to read this paragraph.

When drilling a panel, particular care should be taken, as the look of the care should be taken, as the look of the panel will either make or break the finish of your set. In order that the drill does not slip, the places for the looes should first be marked with a centre punch. A drill smaller than the hole desired should be used first, in order that tearing of the panel does not cecur. Where possible, a template should be used so that the correct size holes can be cut, and each component correctly spaced. rectly spaced.

When an earth is connected to an outwhen an earth is connected to an outside tap or water pipe, it will be necessary, unless the joint be well soldered and insulated, to inspect it frequently, as corrosion will otherwise set in, and cause bad contact. Insulation tape, being waterproof, is probably the best insulation to use on an outside connec-tion. But it is always best to solder your earth wire to the water-pipe.

A correspondent writes to the Sydney "Wireless Weekly":—"Your correspondents who find Sunday church services such a distasteful subject should remember that if their requests were granted, and what one hady refers to as 'Bible banging and 'canting' were cut out of the Sunday programmes fully 95 the Sunday programmes, fully 95 per cent. of the Sabbath listening public and many outback homes, who have no means of Learing church service, would be deprived of Divine worship and very enjoyable choral singing and also the beautiful organ accompaniments."

The Roman Catholic Church in New The Roman Catholic Church in New South Wales has engaged the B class hoadcasting station 24 Pt, Sydney, for two hours on three nights a week. 20 perates on 293 metres with a power of 250 watts on Tuesday, Thursday and Sunday evenings. The station is operated by Radio House, 617 George Street, Sydney.

When soldering leads in your set, the iron should never be allowed to get red hot. This will burn away the tinning, besides being far too hot for practical use. To tin your iron again will take time, so always give it due attention, never forgetting to wipe it on an old clean rag immediately it leaves its source of heat.

An Australian radio writer says: "Impossible advertisements have a great deal to do with the supposition that deal to do with the supposition that wireless transmission and reception have improved. The firms of to-day, particularly those in America, seem to have a strain of exaggeration about them. The over-statements of some of the American firms would lead one to believe that radio has reached the end of its tether as far as advancement is concerned, yet Marconi, the actual original instigator—or rather, I should say, discoverer of the characteristics of wireliscoverer of the characteristics of wireless waves-is most emphatic about the advancement of these subjects, and strongly avers that there is still plenty of room for improvement."

Scotland Yard authorities have now Scotland Yard authorities have how decided to make the fullest possible use of wireless in their efforts to curb the activities of criminals, and the fast motor-cars which have be n specially assigned to the flying squad have been equipped with wireless sending and receiving apparatus. A course of instructions ceiving apparatus. A course of instruc-tion in the Morse code has also been started, and batches of detectives attend the wireless room at police head-quarters to receive lessons in the mysferies of dots and dashes.

By soaking a small strip of cardboard by soaking a sman strip of cardboard in Indian ink and then clamping each end to a terminal, a good grid leak can be made. By gradually cutting off a little from each side, the best thickness for the proper resistance may easily be found.

In Australia a wireless license entitles the licensee to use wireless in the premises occupied by him at the address mentioned in his license. One license will cover any number of sets installed on the same premises for the use of the licensee, his family, or his servants. It should be noted, however, that if any other person occupying a partion of the desires to install apparatus, he must take out a separate license.

Sunday, March 11th

1YA AUCKLAND (333 METRES)—SUNDAY, MARCH 11.

3 p.m.: Afternoon session—Selected studio items, 4.0: Literary selection by Mr. Culford Bell, 4.30: Close down.

6.0: Children's hour.

6.55: Relay of church service from St. Mary's Cathedral. Preacher, Canon P. James; organist, Mr. E. Randall. 8.30: Relay of municipal organ recital from Town Hall; organist, Mr. Maughan

Barnett. 930: A thought.

9.31: Close down.

2YA WELLINGTON (420 METRES)—SUNDAY, MARCH 11.

6 p.m.: Children's service, conducted by Uncle Ernest, 6.55: Relay of evening service from Church of Christ, Vivian Street. Preacher, Pastor W. G. Carpenter; organist, Miss Phyllis Ladbrook.

8.30; Studio concert. Vocal quartet-The Wm. Renshaw Quartet, "The Day Thou Gavest" (Woodward). Instrumental quartet—Symons-Ellwood-String Quartet, "Largo from E Major Quartet" (Haydn).

Tenor solos—Mr. Wm. Renshaw, (a) "Oft in the Stilly Night" (Irish

air); (b) "Believe Me If All Those Endearing Young Charms" (Irish Air).

Contralto solos—Miss Nora Greene, (a) "The Praise of God" (Beethoven); (b) "Golden Days" (Sullivan).

Instrumental quartet—Symons-Eliwood String Quartet, "Andantino" (Lemare).
Soprano solo—Mrs. Amy Dunn, "Home, Sweet Home" (Bishop).

3YA CHRISTCHURCH (306 METRES)—SUNDAY, MARCH 11.

 5.45 p.m.: Children's song service—Uncle Sam, assisted by children of St. Luke's Sunday School, under direction of Archdeacon Taylor.
 6.39: Relay of evening service from Trinity Congregational Church. Special Preacher from the New Zealand Congregational Conference—the Rev. Lionel Fletcher. Organ and vocal solos will be given at close

of service.

of service.

8.15: Tenor solos—Mr. A. R. Thompson, (a) "Comfort Ye, My People" (Handel); (b) "Every Valley Shall Be Exalted" (Handel).

8.22: Pianoforte solos—Miss Maud K. Stout, (a) "Hexentanz, B Minor" (Macdowell); (b) "Sous Bois, D Flat Major" (Barratt).

8.28: Soprano solos—Miss Ella Skurr, (a) "Angels Ever Bright and Fair" (Handel); (b) "Come Unto Him" (Handel).

8.33: Cornet solo—Mr. Fred Fox, selected.

8.37: Baritone solo—Mr. A. G. Brown, "The Sailor's Prayer" (Peel).

8.41: Tenor solos—Mr. A. R. Thompson, (a) "My Task" (Ashford); (b) "The Star of Bethlehem" (Adams).

8.47: Pianoforte solo—Miss Maud K. Stout, "Rondo Capriccioso, E Minor" (Mendelssohn).

(Mendelssohn),

8.52: Soprano solo—Miss Ella Skurr, "Ave Maria" (Kahn). 8.56: Cornet solo—Mr. Fred. Fox, selected. 9.0: Baritone solo—Mr. A. G. Brown, "The Fortune Hunter" (Willeby) God Save the King.

4YA DUNEDIN (463 METRES)—SUNDAY, MARCH 11.

5.45 p.m.: Children's song service—Big Brother Bill, assisted by the choristers of the Anglican Cathedral.
6.30: Relay of service from St. Paul's Cathedral.
organist, Mr. W. E. Heywood, F.R.C.O.

8.0: Studio concert. 9.0: Close down.

Monday, March 12th

1YA AUCKLAND (333 METRES)—MONDAY, MARCH 12. SILENT DAY,

2YA WELLINGTON (420 METRES)-MONDAY, MARCH 12.

3 p.m.; Chimes of the G.P.O. clock.
3.1: Selected gramophone items.
3.30: Lecturette on "Fashions," by a representative of Kirkcaldie and Stains, Ltd.

3.45: Selected gramophone items.

5.0: Close down. 6.0: Children's hour—Uncles Toby and Jeff, programme of selected items by members of Queen Margaret College, under the direction of Mr.

Len. Barnes, choruses, duets, recitations, and birthday greetings.
7.0: News session, market reports, and sports results.
7.40: Lecturette on "Books: Grave and Gay," by Mr. II. C. South.





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BOX 830.

WELLINGTON.

8.0: Chimes of the G.P.O. clock.
8.1: Overture—"Light Cavalry" (Suppe).
8.5: Vocal quartet—Celeste Quartet, "Bridal Chorus" from "Lohengrin" (Wagner).

8.9: Flute solo-Mr. L. W. Rothwell, "Salut d'Amour" (Elgar). 8.14: Bass solo-Mr. Wm. Boardman, "Red Rose" from "Monsieur Beaucaire" (Messager).

8.18: Elocutionary—Mr. Stanley Warwick, "The Longshoreman" (Caine). 8.23: Instrumental trio—Symons-Ellwood-Short Trio, "First Movement Trio

in E Flat, Op. 1" (Beethoven).

8.33: Vocal duet—Misss Mabel Dyer and Mr. Edgar Swain, "Home to Our Mountains" from "Il Trovatore" (Verdi).

8.38: Violin solos—Miss Ava Symons, (a) "Caprice Viennois" (Kreisler); (b)

"Rondino" (Beethoven-Kreisler).

8.44: Soprano solo—Miss Myra Sawyer, "One Fine Day" from "Madame Butterfly" (Puccini).

8.48: Cornet solo—Mr. H. Dutton, "La Belle Americaine" (Hartman).

8.54: Tenor solo—Mr. Edgar Swain, "On With the Motley" from "Pagliacci" (Leoncavallo).

8.59: Weather forecast.

8.59: Weather forecast.
9.0: Lecturette—Miss Maynard Hall, "Reminiscences of Hollywood."
9.12: Flute solo—Mr. L. W. Rothwell, "First Valse" (Durand).
9.16: Vocal duet—Miss Myra Sawyer and Mr. Wm. Boardman, "A Paradise for Two" from "Maid of the Mountains" (Tate).
9.20: Instrumental trios—Symons-Ellwood-Short Trio, (a) "None but the Weary Heart" (Tschaikowsky); (b) "Boating Song" (Tschaikowsky)

kowsky).

9.30: Elocutionary sketch—Mr. Stanley Warwick, "The Stranger" from "More Ever Ready Plays" (Peach).

9.40: Violin solo—Miss Ava Symons, "First Movement of Second Concerto"

(Wieniawski). .

9.45: Contraito solo—Miss Mabel Dyer, "I Wept, Beloved" (Hue).

9.50: Cornet solo—Mr. H. Dutton, "Because" (d'Hardelot).

9.55: Vocal quartet—Celeste Quartet, "O, Happy Eyes" (Elgar).

God Save the King.

3YA CHRISTCHURCH (306 METRES)-MONDAY, MARCH 12.

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

6.0: Children's hour-Uncle Jack and Aunt Edna, birthday greetings, stories,

and songs.

7.15: News and reports. 8.0: Chimes. Relay of orchestral selections from the Strand Picture Theatre Orchestra, under the conductorship of Mr. Harry Ellwood.

Studio concert by Derry's Military Band, under the conductorship of Mr.

E. C. Derry, assisted by 3YA artists.

8.10: Male voice quartet-Beckenham Quartet, "An Evening's Pastoral" (Shaw).

8.10: Male voice quartet—Beckenham Quartet, "An Evening's Pastoral" (Shaw).
8.13: March—Band, "Preciosa" (Devery).
8.18: Tenor solo—Mr. E. R. Pitman, "House Hunting" (Cecil).
8.21: Waltz—Band, "Appassionata" (Ketelby).
8.27: Hunnorous recitation—Miss Mavis Ritchic, "Castles in the Air" (West).
8.32: Selection—Band, "Chocolate Soldier" (Strauss).
8.42: Hunnorous male voice part-songs—Beckenham Quartet, (a) "The Soldier's Farewell" (Kinkel); (b) "Sussanah Snooks" (Lincoln Hall).
8.49: Intermezzo—Band, "A Reverie" (Ord Hume).
8.55: Male voice trio—Messrs. Archer, Pitman, and Jackson, "A Little Farm, Well Tilled" (Hook).
8.59: Weather report.

8.59: Weather report.
9.0: Relay of orchestral music from the Strand Picture Theatre.
9.5: Male voice part-songs—Beckenham Male Quartet, (a) "Massa's in the Cold, Cold Ground" (Foster); (b) "Pa Shaved Off His Whiskers"

9.12: Flower gavotte—Band, "Hearts and Flowers" (Tobane).
9.16: Baritone solo—Mr. W.-H. Odell, "Once in the Long Twilight" (Horne).
9.20: Selection—Band, "Girls of Gottenburg" (Godfrey).
9.30: Humorous recitation—Miss Mavis Ritchie, "Keeping a Seat at a Matinee"

9.34: Fox-trot-Band, "Collette" (Baer).

9.39: Male voice duct-Messrs. F. S. Jackson and W. H. Odell, "Sweet Genevieve" (Tucker).

Genevieve" (Tucker).

9.42: Humorous male voice quartet—Beckenham Quartet, "When Father Laid the Carpet on the Stairs" (Nelson Jackson).

9.45: Minuet—Band, "Minuet in G" (Beethoven).

9.50: Male voice part-song and chorus—Beckenham Quartet, (a) "Good Night, Ladies"; (b) "Topical Chorus" (M.S.).

9.56: March—Band, "Distant Greeting" (Doring).

God Save the King.

4YA DUNEDIN (463 METRES)-MONDAY, MARCH 12.

SILENT DAY.

Tuesday, March 13th

1YA AUCKLAND (333 METRES)-TUESDAY, MARCH 13.

3 p.m.: Afternoon session-Selected studio items. 3.30: Talk on "Cooking by Electricity," by a representative of Turnbull and Jones.

4.0: Literary selection by the Announcer. 430: Close down.

6.0: Children's hour-Uncle George, birthday greetings, songs, and stories.

7.15: News and reports.

Transfer (1) ments

8.1: Relay of orchestral overture from the Majestic Thea're Orchestra, under

conductorship of Mr. J. Whiteford-Waugh, 8.11: Contralto solo-Madame Irene Ainsley, "Kathleen Mayourneen" (Crouch). 8.16: Instrumental trio-Bosworth-Hemus-Towsey Trio, "Finale from Trio in

D Major" (Reinecke). 8.25: Tenor solo-Mr. Robert Peter, "The Minstrel Boy" (Old Irish). 8.29: Relay of musical interlude from Majestic Picture Theatre Orchestral.

8.34: Soprano solo-Miss Irene Rogers, "I'm Alone" from "Lily of Killarney" (Benedict).

8.38: Instrumental trio-Bosworth-Hemus-Towsey Trio, "Samson and Delilah"

(Saint-Saens).

8.45: Talk on "League of Nations: Child Welfare Work," by Mr. E. C. Cutten, S.M.

90: Weather forecast. Relay of vocal interlude from the Majestic Picture Theatre,

9.7: Violin solo-Miss Ina Bosworth, selected.
9.11: Con'ralto solo-Madame Irene Ainsley, "Danny Boy" (Old Irish).
9.16: Baritone solo-Mr. Walter Brough, "Casey the Fiddler" (Wood).

9.10: Baritone solo—Mr. Watter Brough, "Casey the Fiddler" (Wood).
9.19: Instrumental trio—Bosworthy-Hennis-Towsey Trio, "Finale from Trio No. 4" (Mozart).
9.29: Kitchen scene from "The Lily of Killarney" (Benedict), produced under the direction of Madame Irene Ainsley. Cast: Eily, Miss Irene Rogers; Sheila, Madame Irene Ainsley; Haidress Cregan, Mr. Robert



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