

## Programmes Continued

(From page 11.)

8.30 (approx.): Studio concert.  
Vocal quartet—The Wm. Renshaw Quartet, "O Gladsome Light" from "The Golden Legend" (Sullivan).  
Tenor solo—Mr. Wm. Renshaw, recitative and air, "Sing Ye Praise" from "Hymn of Praise" (Mendelssohn).  
Instrumental quartet—Symons-Ellwood String Quartet, "Minuet" from "C Minor Quartet" and "Finale" from "C Minor Quartet" (Beethoven).  
Soprano solo—Mrs. Amy Dunn, "With Verdure Clad" from "Creation" (Haydn).  
Baritone solo—Mr. Wilbur Davies, "Lord God of Abraham" from "Elijah" (Mendelssohn).  
Instrumental quartet—Symons-Ellwood String Quartet, "Largo" (Handel).  
Vocal quartet—The William Renshaw Quartet, "How Lovely Are the Messengers" from "St. Paul" (Mendelssohn).  
Contralto solo—Miss Nora Greene, "O, Rest in the Lord" from "Elijah" (Mendelssohn).  
Cello solo—Mr. Geo. Ellwood, "Two Norwegian Folk Songs" (with string accompaniment).  
Vocal quartet—The William Renshaw Quartet, "F'er the Silvery Lamps Are Lighted" (Vincent).

### 3YA CHRISTCHURCH (306 METRES)—SUNDAY, JANUARY 8.

5.45 p.m.: Children's song service, by Uncle Sam, assisted by cousins from the Congregational Sunday School, Tennyson Street, Beckenham.  
7.0: Relay of evening service from Union Methodist Church, Selwyn Street, Addington. Ministerial steward, Mr. J. H. Jones; organist, Miss D. Down.  
8.15: Studio concert.  
9.0: Close down.

### 4YA DUNEDIN (403 METRES)—SUNDAY, JANUARY 8.

5.45 p.m.: Children's song service, by Big Brother Bill and a children's choir.  
7.0: Relay of evening service from Knox Church.  
8.15: Relay from St. Kilda (weather permitting) of concert by the St. Kilda Band. Conductor, Mr. James Dixon.  
9.15: Close down.

## ENERGY ROBBERS

### ABSORPTION BY ELECTRIC LINES.

Broadcast listeners as a body have very little knowledge of the many factors which militate against successful transmission. Even electric lines running in proximity to a broadcast station can sap some of the energy sent out from the aerial.

An American authority states:—"Electric light lines or door bell wires running parallel to a transmitting aerial will often pick up a quite heavy current when the transmitter is operated. The amount of current thus absorbed by the electric light wires is just that much energy stolen from the transmitter."

### Absorption Demonstrated.

This absorption is particularly troublesome on the short amateur wavelengths, because the natural period of the aerial formed by the door bell wires is often the same as the wave-length of the transmitter. Some time ago, the writer found that when the transmitting key of his CW set was closed, an electric light in the garage, about thirty feet away, lighted to nearly full brilliancy. The wires from the house to the light ran parallel to the aerial and directly below it. The current induced in these wires by the transmitter was pure loss. When the wires were put in metal conduit and buried in the ground the trouble stopped; and the aerial current of the transmitter jumped from one ampere to three amperes, after the transmitter had been returned slightly."

## FREE TO SMOKERS.

A VALUABLE and interesting booklet has been published by a reputable firm for the benefit of smokers. This booklet is full of instructive information, and contains extracts from statements made by some of the highest authorities in the medical world. Every smoker should read this booklet, which will be posted free on request.

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## Australia "On the Air"

### PROGRAMMES FOR THE WEEK

For the benefit of listeners who wish to hear Australia during the present week, we give the programmes of 2BL, Sydney (353 metres). Specially attractive programmes are listed for New Year's Eve.

#### WEDNESDAY, DECEMBER 28.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus. 8.3: King's Mandolin Orchestra. 8.10: Miss Mildred Hansen (soprano). 8.17: Miss Nell Crane (comedienne). 8.24: Mr. C. Weatherley (instrumentalist). 8.31: The Canterbury District Band (bandmaster: Mr. Stan Nicholls), broadcast from Baker's Hall, Campsie. 8.51: Mr. Herbert C. Hinchcliffe (baritone). 8.58: Weather report and forecast, by courtesy of Mr. Mares, Government Meteorologist. 9.0: G.P.O. clock and chimes. 9.11: The Canterbury District Band. 9.21: Miss Mildred Hansen. 9.28: Miss Nell Crane. 9.35: King's Mandolin Orchestra. 9.42: Mr. Herbert C. Hinchcliffe. 9.49: Mr. C. Weatherley. 9.56: Resume of following day's programme. 10.0: G.P.O. clock and chimes; Broadcasters' all sports expert will talk on general sporting. 10.15: Romano's Dance Orchestra, under the direction of Mr. Merv. Lyons (broadcast from Romano's). 11.30: G.P.O. clock and chimes; National Anthem.

#### SATURDAY, DECEMBER 31.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus. 8.3: Special dance night. During intervals between dances humorous and popular items will be broadcast from the studio. 12.0: G.P.O. clock and chimes; National Anthem.

#### SUNDAY, JANUARY 1.

7.0: Service broadcast from Peter-sham Baptist Church. 8.30: Mr. Alfred Wilmore (tenor). 8.37: Mr. Gordon Rodda (pianist). 8.44: Miss Pauline Harford Foster (soprano). 8.51: Mr. Moore McMahon (violin solos). 8.58: Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. Resume of following day's programme. 9.0: G.P.O. clock and chimes. 9.1: Mr. Herman Tremayne (basso). 9.8: Mr. Frank Hatherley (dramatic artist). 9.16: Miss Mary Neal (mezzo contralto). 9.23: Mr. Gordon Rodda. 9.30: Mr. Frank Hatherley. 9.37: Mr. Norman Wright. 9.44: Miss Pauline Harford Foster. 9.51: Mr. Moore McMahon.

#### WEDNESDAY, JANUARY 4.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus. 8.3: Recital broadcast from the Straube Salon. 9.0: G.P.O. clock and chimes. 9.1: Broadcasters' all sports expert will talk on general sporting. 9.16: The Canterbury District Band (Bandmaster, Mr. S. Nicholls), broadcast from Baker's Hall, Campsie. 9.36: Dorothy Manning and Harry Graham in song and story. 9.51: Miss Edna Lister (contralto). 9.58: The Canterbury District Band. 10.8: Miss Edna Lister. 10.15: Resume of following day's programme; Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 10.20: Romano's Dance Orchestra, under the direction of Mr. Merv. Lyons, broadcast from Romano's Cafe. 11.30 G.P.O. clock and chimes; National Anthem.

#### THURSDAY, JANUARY 5.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus; An hour's programme presented by Home Recreations Limited. 8.3: The Salomona Dance Orchestra. 8.13: Miss Nell Crane (comedienne). 8.20: The Salomona Dance Orchestra. 8.30: Mr. Warwick McKenzie (violinist). 8.37: The Salomona Dance Orchestra. 8.47: Miss Hilda Walker (soprano). 8.54: The Salomona Dance Orchestra. 9.0: G.P.O. clock and chimes. 9.1: The Marickville Salvation Army Band (Bandmaster, Mr. N. H. Knight), broadcast from Wemyss Street, Marickville. 9.21: Miss Nell Crane. 9.28: Mr. Warwick McKenzie. 9.35: Miss Hilda Walker. 9.42: The Marickville Salvation Army Band. 10.2: Comedy sketch, by Mollie Raynor and Jack Beattie. 10.17: Resume of following day's programme; Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 10.20: Cyril Kaye and the Wentworth Cafe Orchestra, broadcast from the ballroom of the Wentworth. 11.30: G.P.O. clock and chimes; National Anthem.

#### FRIDAY, JANUARY 6.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus. 8.3: Broadcasters' light orchestra, under the direction of Mr. J. Knight Barnett. 8.13: Miss Marjorie Skill (soprano). 8.20: Miss Mary Charlton (piano solos). 8.27: Mr. R. Aedler Scott (tenor). 8.34: Miss Dulcie Blair (violinist). 8.41: Miss Mab Fotheringham (soubrette). 8.48: Broadcasters' light orchestra. 8.58: Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 9.0: G.P.O. clock and chimes; Resume of following day's programme. 9.4: Broadcasters' light orchestra. 9.14: Miss Marjorie Skill. 9.21: Miss Mary Charlton. 9.28: Mr. R. Aedler Scott. 9.35: Miss Dulcie Blair. 9.42: Miss Mab Fotheringham. 9.49: Broadcasters' light orchestra. 10.0: G.P.O. clock and chimes; The sporting editor of the "Sun" will talk on the prospects of Saturday's racing. 10.15: Romano's Dance Orchestra, under the direction of Mr. Merv. Lyons, broadcast from Romano's. 11.30: G.P.O. clock and chimes. National Anthem.

#### SATURDAY, JANUARY 7.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus. 8.3: Special dance night: Cyril Kaye and the Wentworth Cafe Orchestra. During intervals between dances humorous and popular items will be broadcast from the studio. 12.0: G.P.O. clock and chimes; National Anthem.

#### SUNDAY, JANUARY 8.

7.15: Service broadcast from Chalmers Presbyterian Church. 8.30: Recital by North Sydney Tramway Band, broadcast from Manresa Hall, North Sydney. 9.15: From the studio: Miss C. L. Robertson (elocutionist). 9.22: Mr. Lloyd Davies (violinist). 9.29: By request—repeat performance of the song cycle "Dorothy's Wedding Day" (Lane Wilson). Soloists: Miss Helena Stewart (soprano), Mr. Lance Jeffrey (tenor), Miss Amy Ostinga (contralto), Mr. Peter Sutherland (basso). 9.55: Resume of following day's programme; Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 10.0: G.P.O. clock and chimes. 10.1: Mr. Lloyd Davies. 10.8: Miss C. L. Robertson. 10.15: G.P.O. clock and chimes; National Anthem.

## 3LO CRITICISED

### COMMUNITY SINGING AND JAZZ.

Station 3LO, Melbourne, has been hauled over the coals for broadcasting community singing and too much jazz, by an Australian listener, as follows:—

Community singing has, long ago, been "weighed in the balance and found wanting," simply because it has no appeal for the genuine lovers of good singing, who, thank Heaven, are in the majority. The fact that the community singers at 3LO sing such things as "Old Macdougall had a Farm" and "Jingle Bells" bears me out in this, for no person claiming to be the least bit musical would be bothered with such trash.

Station 3LO devotes one-eighth (1/8) of its entire weekly broadcasting time to jazz, and it is doubtful, therefore, whether the management of that station could lay claim to good judgment, what constitutes "cheap tack."



GUILDFORD TERRACE CONVENT CHOIR.

The beautiful singing of these children has been a feature of the children's sessions from 2YA.

## POOR RECEPTION

Many New Zealand listeners are inclined to condemn their receiving sets because they do not obtain such good results as other listeners who have less elaborate outfits. It is now accepted by radio engineers that certain localities give exceptionally fine results and other areas, even adjacent, are particularly poor for reception. All this is mystifying to expert as well as lay minds, but the facts are well established, and more powerful sets are necessary in certain localities.

In and around the cities the trouble in connection with poor reception of distant stations is most pronounced. The screening effects of tall buildings of ferro-concrete structure is most severe in the cities. An Australian writer says:—"These structures can absorb so much of the energy that an absolutely dead spot is created in some sections, and it is no wonder that we cannot receive stations in certain directions. The wonder is that he can receive anything at all."

In the suburban sections this condition can also exist, even though there are no bridges or tall buildings. The influencing factor there is often due to ore deposits under ground. Loop sets are sometimes difficult to get operating, especially with a stucco house. This is because the stucco in most cases is laid on a wire mesh, which acts as a complete shield for the incoming radio waves, very little energy reaching the loop. Therefore, we should not blame or condemn a set as being a poor one until we have given it a chance to work. The solution for this trouble on loop sets is to place the set near a window or on a porch where the loop has a chance to pick up some energy. The same applies to loop sets in steel frame apartment houses or locations surrounded by such.

"The season of the year is the third factor. Radio reception is always better in autumn and winter than in summer. While the range of a set in winter might be eight hundred miles, the range in summer will fall off to three hundred miles or less. This is not true of all sets or locations, as it is possible to get very fine results in summer. Conditions are variable and must be taken as they come."

The recent wretched reception of the Australian stations by New Zealand listeners is a good example of seasonal effects. These are inevitable, but, it can be said from experience, these intervals of bad reception are not lasting, and are just as often followed by periods of splendid reception exceeding even winter reception.

#### THURSDAY, DECEMBER 29.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus; An hour's programme presented by Home Recreations Limited. 8.3: The Salomona Dance Orchestra. 8.13: Miss Phyllis Atkinson (soprano). 8.17: The Salomona Dance Orchestra. 8.27: Mr. Robert Turner (elocutionist). 8.34: The Salomona Dance Orchestra. 8.44: Mr. Phil Mountain (light comedian). 8.51: The Salomona Dance Orchestra. 9.0: G.P.O. clock and chimes. 9.1: Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 9.6: The Marickville Salvation Army Band (Bandmaster, Mr. N. H. Knight), broadcast from Wemyss Street, Marickville. 9.26: Miss Phyllis Atkinson. 9.33: Mr. Robert Turner. 9.40: The Marickville Salvation Army Band. 10.0: G.P.O. clock and chimes. 10.1: Miss Phyllis Atkinson. 10.5: Mr. Phil Mountain. 10.12: Announcements. 10.15: Cyril Kaye and the Wentworth Cafe Orchestra, broadcast from the ballroom of the Wentworth. During interval between dances "Sun" news will be broadcast. 11.30: G.P.O. clock and chimes; National Anthem.

#### FRIDAY, DECEMBER 30.

8 p.m.: G.P.O. clock and chimes; Broadcasters' Topical chorus. 8.3: Broadcasters' light orchestra under the direction of Mr. J. Knight Barnett. 8.13: Miss Grace Saville (contralto). 8.20: Mr. J. M. Post (oboe solos). 8.27: Mr. Norman Wright (tenor). 8.34: Miss Dulcie Blair (violin solos). 8.41: Mr. Bert Gilbert (comedienne), assisted by Miss Ivy Ray, presents a further adventure of Mr. Hopperoff. 8.56: Resume of following day's programme. 9.0: G.P.O. clock and chimes. 9.1: Broadcasters' light orchestra. 9.11: Miss Grace Saville. 9.18: Mr. J. M. Post. 9.25: Broadcasters' light orchestra. 9.35: Mr. Norman Wright. 9.42: Miss Dulcie Blair. 9.49: Broadcasters' light orchestra. 9.59: Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 10.0: G.P.O. clock and chimes. 10.1: The sporting editor of the "Sun" will talk on the prospects of Saturday's racing. 10.16: Romano's Dance Orchestra, under the direction of Mr. Merv. Lyons, broadcast from Romano's. 11.30: G.P.O. clock and chimes. National Anthem.

9.58: Mr. Herman Tremayne. 10.5: Miss Mary Neal. 10.12: National Anthem.

#### MONDAY, JANUARY 2.

A braw Scotch night—8.0: G.P.O. clock and chimes; Broadcasters' topical chorus; An hour's programme presented by Lindeman's wines. 8.3: The Newtown Band, broadcast from Industrial Hall, Newtown. 8.3: Miss Heather Kinnaird (contralto). 8.30: Mr. Douglas Graham (Scottish comedian). 8.37: Mr. R. Aedler Scott (tenor). 8.44: Talk on vines. 8.49: Miss Elsie Findlay (soprano). 8.56: Mr. Douglas Graham. 9.0: G.P.O. clock and chimes. 9.1: Bagpipes selection. 9.8: Mr. Frank Ryan (Scotch stories). 9.15: The Newtown Band. 9.35: Miss Heather Kinnaird. 9.42: Mr. Douglas Graham. 9.46: Mr. R. Aedler Scott. 9.53: Miss Elsie Findlay. 10.0: G.P.O. clock and chimes. 10.1: Mr. Frank Ryan. 10.8: Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist; resume of following day's programme. 10.12: Romano's Dance Orchestra, under the direction of Mr. Merv. Lyons, broadcast from Romano's. 11.30: G.P.O. clock and chimes; National Anthem.

#### TUESDAY, JANUARY 3.

8 p.m.: G.P.O. clock and chimes; Broadcasters' topical chorus. 8.3: Broadcasters' light orchestra, under the direction of Mr. G. Knight Barnett. 8.13: Miss Maisie Barnett (contralto). 8.20: Miss Dulcie Blair (violin solos). 8.27: Mr. Stoffel Bezuidenhout (baritone). 8.34: Miss Edna Fenner (elocutionist). 8.41: Mr. Haagen Holenbergh (piano solos). 8.51: Miss Ella Goodman (soprano). 8.58: Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist. 8.59: Broadcasters' light orchestra. 9.9: Miss Dulcie Blair. 9.16: Mr. Stoffel Bezuidenhout. 9.23: Mr. Haagen Holenbergh (piano solos). 9.33: Miss Maisie Barnett. 9.40: Broadcasters' light orchestra. 9.50: Miss Ella Goodman. 9.57: Resume of following day's programme. 10.0: G.P.O. clock and chimes. 10.1: Miss Edna Fenner. 10.8: Broadcasters' light orchestra. 10.15: Cyril Kaye and the Wentworth Cafe Orchestra, broadcast from the ballroom of the Wentworth. 11.30: G.P.O. clock and chimes; National Anthem.