

Vocal soloists:—

- Soprano Mrs. J. A. Stewart
 Contralto Mrs. J. W. Palk
 Tenor Mr. Ernest Rogers
 Bass Mr. James Filer
 Supported and accompanied by full Choir, String Orchestra and Organ.
 Choir Conductor Mr. J. Chaplin
 Organist Mr. A. M. Owen
- 4.15: Musical recordings from 3YA Studio.
 4.30: Close down.
 5.30: Children's Song Service by children of Methodist Sunday Schools, conducted by Rev. Rugby Pratt, assisted by the children from the Methodist Sunday Schools.
 6.15: Musical recordings from 3YA Studio.
 6.30: Relay of Evening Service of Annual Choir Festival from East Belt Methodist Church. Preacher: Rev. W. Greenslade. Choir conductor: Mr. J. Chaplin. Organist: Mr. A. M. Owen.
 7.45: Hymns and anthems from 3YA Studio.
 8.15: Selection—Menorah Symphony Orchestra, "Bar Kochba" (Goldfaden).
 8.23: Mezzo-soprano—Mrs. Grace Empson, "Omra Mai Fu" (Handel).
 8.27: Violin—Miss Irene Morris, "Air" (Goldmark).
 8.31: Bass baritone—Barend Harris, (a) "Bells of the Sea" (sung in English); (b) "Song of the Volga Boatmen" (with explanatory remarks) (sung in Russian).
 8.41: Instrumental trio—Christchurch Broadcasting Trio, "Allegro Vivace" (from "Trio in D Major") (Beethoven).
 8.53: Mezzo-soprano—Mrs. Grace Empson, (a) "Have You Seen but a White Lily Grow?" (Old English, arr. Liza Lehmann); (b) "O Fair and Sweet and Holy" (Rubinstein).
 8.59: Weather report and station notices.
 9.1: Instrumental trio—Christchurch Broadcasting Trio, (a) "Serenade" (Mozart) (from "A Little Night Music"); (b) "Tempo di Minuetto" (Godard).
 9.13: Bass baritone—Barend Harris, (a) "Shir Shomerin" (sung in Hebrew) (The Song of the Watchman) (A Palestinian Folk Song); (b) "My Song of the Nile" (sung in English) (with explanatory remarks).
 9.23: Violin—Miss Irene Morris, "Allegretto" (Boccherini-Kreisler).
 9.26: Orchestral—Budapest Philharmonic Orchestra, "Rakoczy March." God Save the King.

4YA, DUNEDIN (650 KILOCYCLES)—SUNDAY, JULY 6.

- 3.0: Chimes. Selected gramophone items.
 4.30: Close down.
 5.30: Children's song service, conducted by Big Brother Bill.
 6.15: Close down.
 6.30: Relay of evening service from First Church (Preacher, Dr. Hunter; Organist, Dr. V. E. Galway).
 7.45: Selection—Classic Symphony Orchestra, "Pagliacci" (Leoncavallo). Chorus—Royal Choral Society, "Hallelujah" and "Amen" from "Messiah"—Handel (H.M.V. D1108, D1135).
 Piano—W. Backhaus, "Studies, Op. 56" (Chopin) (H.M.V. DB1180).
 8.5: Relay of concert by Tramways Band, under direction of Mr. C. Morgan, from His Majesty's Theatre.
 9.30: God Save the King.
 8.0: Chimes. Relay of concert programme from Christchurch Radio Olympia.

Australian Programmes

Thursday, June 26.

STATION 2FC.—9.42 p.m.: A debate, "Personality and Wealth." 10.35 p.m.: The 2FC Follies present a half-hour of vaudeville numbers. 11.15 p.m.: "Uncle Tom's Cabin," episode 4.

2BL.—9.30 p.m.: A concert programme arranged by the Musical Association of New South Wales.

3LO.—10 p.m.: Dance night. Clarrie Collins and his Orchestra. Vaudeville numbers will be presented between dance items.

3AR.—9.30 p.m.: Studio reproductions, including the well-known "Emperor" Concerto by Beethoven.

Friday, June 27.

STATION 2FC.—9.40 p.m. and 10.35 p.m.: Jack Lumsdaine, the "Radio Rascal," in popular songs at the piano. 10.55 p.m.: Sundowners' Male Quartet in two negro spirituals. 11.3 p.m.: "Sweethearts," a comedy in two acts.

2BL.—10.17 and 11.40 p.m.: Ethel Lang and Brunton Gibbs will entertain in a novel way. 10.30 p.m. and 10.27 p.m.: Jock Herron and his Brass Quartet.

3LO.—9.30 p.m.: Vocal and orchestral selections from Beethoven compositions. 10.10 p.m.: The Sundowners' Radio Revue Company present "Oddments and Oddities."

3AR.—9.45 p.m.: Community singing relayed from the Central Hall, Geelong.

Saturday, June 28.

STATION 2FC.—9.30 p.m.: A concert programme from the Sydney Town Hall by the Professional Musicians' Union. 12 p.m.: Cricket scores, second test, England v. Australia.

2BL.—9.37 p.m. and 11.14 p.m.: Wendling and Molloy, novelty instrumentalists, in popular numbers. 9.51 p.m. and 11.41 p.m.: Charles Lawrence and Rae Foster will entertain.

3LO.—9.30 p.m.: "The Premier Four" in song and story, assisted by the Studio Orchestra. 11 p.m.: A special programme has been arranged.

3AR.—9.30 p.m.: Relay of 2FC's programme (see above).

Sunday, June 29.

STATION 3LO.—The State Musical Ensemble, with Wurlitzer solos, and assisted by leading vocal artists.

3AR.—10 p.m.: Relay of programme by 2BL, Sydney.

Monday, June 30.

STATION 3LO.—9.30 p.m.: "Sowing the Wind," a four-act play, with incidental music by the Studio Orchestra.

3AR.—9.45 p.m. and 10.58 p.m.: Brass Band and variety. 10.28 p.m.: La Viva Ensemble, vocal and instrumental selections.

Tuesday, July 1.

STATION 3LO.—9.15 p.m.: A topical talk by the Examiner of Patents on "The World's Inventive Brain." 9.30 p.m.: "Memory Lane," old-time numbers. 10.15 p.m.: Louis Hattenbach, cellist, in a recital of his own compositions. 10.30 p.m.: The Melbourne Philharmonic Society in sacred selections. 11.30 p.m.: A vaudeville programme.

3AR.—9.45 p.m.: Dance numbers, interspersed with variety items.

Wednesday, July 2.

STATION 3LO.—10 p.m.: The A.B.C. String Quartet present "Movement from Quartet No. 5 in D" (Haydn). 11 p.m.: "The Colleen Bawn," an Irish play.

3AR.—9.45 p.m.: Brass Band and variety. 10.25 p.m.: "The Artist," a one-act play. 10.40 p.m.: Vocal, instrumental and brass band selections from the classics.

First S.O.S.

Linking Up by Radio

THE first radio operator to send out a call for help was Jack Binns of the Republic, which was rammed and sunk on January 23, 1909, by the Florida. Binns's call (it was a CQD at that time) was heard by several ships, which steamed to the aid of the doomed vessels but were unable to locate them because of an extremely dense fog which blanketed everything. As this was years before the radio compass had been invented and perfected, the skippers had to play a very dangerous game of blind man's buff. The sinking ship was finally located by the Baltic, by the discharge of bombs, Binns and the radio operator of the rescue ship calling to each other the exact times at which the bombs would be fired and the crews of each ship standing by to listen for the sound of the reports. The situation was growing desperate when the last bomb was about to be fired, but the explosion was heard by the keen ears of Binns and over three thousand lives were saved.

Radio for the Infirm

IN Copenhagen a committee has been formed whose purposes is to purchase wireless sets for distribution to distressed, aged, and sick persons who could not otherwise receive the benefit of broadcasting. One of the ways in which the fund will procure the necessary money is by the sale of a special stamp. Through the Press, the fund has asked that listeners will buy this stamp when they visit the post office to take out their license for the next year. The stamp can be placed on the license card, and its price is 25 ore (about 3½d.). The committee hope

THROUGH the establishment of trans-oceanic telephone communication, it is now possible for a telephone subscriber in one of the countries so connected to talk to 20 different nations. These possess a total population of approximately 400,000,000 and contain 85 per cent. of the world's telephones.

The countries linked together include the majority of European nations, Great Britain, Spanish Morocco in Africa, Cuba, Mexico and, in the near future, Argentina, Brazil and Uruguay. Three short-wave radio circuits are employed in telephone-radio communication between the United States and Europe, and an average of about 50 calls a day go across the Atlantic, of which nearly half are social conversations. One-half the trans-Atlantic calls are made to England alone.

The radio transmitters for the short-wave systems are located at Lawrenceville, New York, and reflectors are used to concentrate the energy over the great circle route to the distant European receiving station, so that comparatively weak transmitters may be employed. The receiving station for short-wave circuits is at Netcong, New York, and it also utilises a reflector system to improve signal strength. It seems apparent that within a few years' time every telephone subscriber will be able to communicate directly with any other in the whole world.

that the majority of Danish listeners will buy one or more of these stamps, and as there are now 340,000 listeners in Denmark, a considerable sum should be collected in this way. The committee has also obtained a promise from the Broadcasting Council that, to the greatest possible extent, free licenses will be given to persons granted wireless sets from the fund.