

lecture, but a bright, witty dissertation on "matters literary." Mr. Torry has lectured on numerous occasions both on the public platform and to clubs, societies and other organisations, and that his talk will prove of more than passing interest to listeners there can be no doubt.

A PROGRAMME somewhat off the "beaten track" will be presented on Saturday evening, when a relay description of the whole of the evening performance of Messrs. Wirth Brothers' Circus will be given. This programme should prove of more than passing interest not only to those in town, but also to the less fortunate in the country and in hospitals. Prior to passing to the relay the Salon Orchestra, under the conductorship of Mr. M. Dixon, will play as an overture Binding's "Life on the Ocean Wave." The usual dance programme will be presented at approximately 10 p.m.

3YA Features

THERE will be a relay of the service in the Anglican Cathedral on Sunday evening. An excellent studio concert will follow. The vocalists will be Miss Alice Vinsen (contralto), Mr. Fred Bullock (baritone), and Mr. Finlay Robb (bass). Elocutionary items will be given by Mrs. Margaret Williams. The items by the local artists will be supplemented by specially selected records.

ON Monday evening at 7.30 there will be a talk on "Esperanto" by Mr. N. M. Bell, M.A.

The New Brighton Municipal Band, under Mr. J. E. Nuttall, which always presents such bright and attractive programmes at 3YA, will be playing on Monday evening. The programme will include several novelty numbers, such as duets (by Conductor Nuttall and Bandsman Daniels) with band accompaniment, foxtrots with vocal effects, fantasia of Christmas carols, and a novelty foxtrot and waltz in which Mr. Les Croft and Mr. J. Nuttall will take part. A new singer for the evening will be Mrs. H. B. Naylor, a contralto from the studio of Mr. W. H. Dixon. Soprano solos will be sung by Miss Marjory Miller and tenor songs by Mr. P. Macdonald. Miss Mavis Kinsella will recite.

NEW Year's Eve, the Scottish Hogmanay, will be appropriately celebrated at 3YA with a Scottish entertainment. The singers will be the Melodious Four, and the instru-

mentalists will be Mr. Angus MacIntosh (piper) and the Studio Instrumental Octet under Mr. Harold Beck. From 10 o'clock till 11.45 there will be a relay of dance music played by the Bailey-Marston Dance Orchestra at the Winter Garden. At 11.45 there will be a relay from Cathedral Square, where there will be popular celebrations, and the Cathedral bell will ring out the old year and ring in the new.

FOR New Year's Day there will be another holiday entertainment. A miscellaneous programme will be presented by the Studio Instrumental Octet under Mr. Harold Beck. Mrs. Daisy Pearce (mezzo-soprano), who has not been heard from 3YA for some time, will be singing, also Mr. C. R. Williamson (tenor), and Mr. Clive Hindle (baritone). There will be popular songs by Miss Alma Finnerty and humorous recitations by Miss Ruby Boot.

THURSDAY evening's miscellaneous programme will comprise numerous classical items. The vocalists will be the Grand Opera Quartet, singing solo and concert numbers. Pianoforte solos will be played by Miss Frances Hamerton and violin solos by Mr. Arthur Gordon, first violin of the Christchurch String Quartet. Miss Dorothy Jenkin will recite "The French Peasant" and "The Thousandth Man."

POPULAR vocal numbers and dance music by the Bailey Marston Dance Orchestra will comprise Friday evening's programme. Mrs. Moana Lawrence, Mrs. E. H. Davies, Mr. Arthur T. Couch, and Mr. Robert Allison will be singing. Mr. L. T. J. Ryan will recite.

SATURDAY evening's programme will be of a vaudeville type. Mr. and Mrs. J. W. Bailey, of Wanganui, will be presenting two sketches. Miss Betty Hilliard will sing jazz songs. A new instrumental trio (Miss Gladys Vincent, Mr. Francis Bate, and Miss May Garden) will play selections, while solos will be played by Miss Vincent. Vocal soloists will be Miss Rose Horrell and Mr. Harry Francis. There will be selections by Miss Elaine Moody's Hawaiian Trio, and humorous numbers by Mr. J. J. Flewellyn.

4YA Features

THE service conducted by Captain Chandler will be relayed from the Salvation Army Citadel on Sunday evening. An organ recital by Mr. C. Roy Spackman will follow. It will be relayed from Knox Church.

THE vocalists for Monday evening will be Miss McCready, Miss Mary Somerville, and Mr. R. McDonald. Recitations will be given by Miss Erana Newbold. There will be instrumental selections by the 4YA Broadcasting Trio. The records will comprise choruses and orchestral numbers.

THE Scottish element will be very strong in the programme of New Year's Eve. The Dumedin Highland Pipe Band, under Pipe-Major J. Croon, will play numerous selections throughout the evening, and at midnight will play the old year out and the new year in. Miss Helen Roy (contralto), Miss Nellie Warren (elocutionist), and

Mr. J. Kennedy (tenor), all artists who have only recently made their first bow before the microphone, are included on the same programme. Mr. Buster Brown, the popular Scottish comedian, and Miss Gwenda Burt, one of 4YA's leading contraltos, will also perform.

A FEATURE of the programme on Wednesday evening will be Maori

songs sung in Maori by Miss Ida Lungley. So often do we have the translated version of these popular folk songs that Miss Lungley's item should prove very entertaining. Mr. William Yates (elocutionist) and Miss Veronica McKenzie (soprano), well known at 2YA, are on the same programme, and their numbers for this occasion will add to their popularity over the air. Mr. W. Alloo will also be singing. There will be a relay from the Empire Theatre, Mr. Leslie Harvey playing on the Christie organ. Further instrumental music will be provided by "The Select Trio" and by Mrs. E. Drake (pianiste).

THE Celeste Quintet is to perform on Friday. An interesting item on this programme is the viola and piano duo of Flottermann Concerto. This concerto is in sonata form. The first movement is very melodious, the subject of which is brimful of melody. The finale of the concerto is in six-eight time and is exceptionally brilliant. There are so few duos for viola and piano that the innovation of this item on the programme is certain to be most interesting.

The vocal portion of the musical programme will be provided by Miss Mollie Fenton (mezzo-soprano), Mr. L. E. Dalley (tenor), and Mr. L. North (baritone). Recitations will be given by Miss Nellie Warren.

ON Saturday 4YA will relay from 3YA.

International Radio

AN interesting experiment and one with far-reaching possibilities was made in Berlin recently when an attempt was made to transmit photographs from a ground station to an aeroplane in full flight. The first radiograph to be sent was a weather map showing the meteorological conditions the flying machine would encounter over the regular air route from Berlin to Paris, the second showed storm conditions, and the third the rain-soaked locality where the plane would land. The reception, which took place on an ordinary wireless set equipped with a Fultograph apparatus, five minutes after the pictures were dispatched, was of excellent quality.

IT is surprising to learn that the small island of Cuba has as many as ninety-four radio stations, which are used for both telegraphic and telephonic broadcasting, though the number of stations for telephonic transmission is far in excess of the other type. Owing to the super-abundance of stations operating, it has been found necessary to make new wavelength allocations. The measure has been taken, of course, to ensure that in future there will be no interference among them.

Beam Installation for Spain

For Communication with Colonies

BRITISH material, design and workmanship played a conspicuous part in the building of the important new group of wireless stations which were opened recently by the King of Spain of Aranjuez, near Madrid, in the presence of the Marchese Marconi, the Spanish Prime Minister, and Ambassadors representing other countries.

This group of wireless stations has been designed and built to extend the range of Spanish external communications in consideration of Spain's importance in the commercial life of the world and particularly of South America. Madrid is now placed for the first time in direct wireless telegraph communication with both North and South America and, by means of a short-wave Beam installation which is included in the equipment of the Aranjuez station, a regular commercial telephone service between Spain and the Argentine Republic will be available in addition to high-speed Beam telegraph services.

For use in these circuits special receivers have been constructed by British engineers on behalf of Transradio Espanola, the Spanish company which owns these stations and which carries out the wireless telegraph services between Spain and other countries. The supply of this apparatus to Transradio Espanola is the second large order for British wireless equipment recently received from Spain. A previous contract provided for the installation on behalf of the Spanish Government of a short-wave station to establish a direct radio service between Madrid and the Spanish colony of Fernando Po, in Equatorial Africa.

Have you secured your copy of "N.Z. Radio Listener's Guide?"

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