

the Sunday evening studio concert will commence featuring the Wellington Ladies' Trio.

3YA Features

MONDAY evening's concert will, as usual, be contributed mainly by a brass band, this time the Christchurch Municipal. A bright and varied programme has been arranged by the conductor. Mr. Charles Lawrence, always a radio attraction, has been engaged for the evening. His items will be songs at the piano, to his own accompaniment. Miss Kathleen Chapple, soprano, will sing, and will also give a recitation to piano accompaniment. "That Cat." Three mezzo-soprano songs will be sung by Miss Nellie Billcliff. Mr. Ad. R. Thompson (tenor) and Mr. Syd. Armstrong (baritone) are two other vocalists for the evening.

TUESDAY (usually the silent day for 3YA) will have one of the best programmes of the week. The artists engaged for the evening include Miss Anita Graham (mezzo-soprano), Miss Olga Wacked (contralto), Mr. W. J. Trewern (tenor), Mr. W. J. Spratt (bass), and Mr. Allan Brown (humour). Mr. Spratt is a very well known oratorio and concert platform singer. Mr. Brown is one of the best comedians in Christchurch. He made a great hit in the recent production of "The Arcadians."

"TO-NIGHT'S the Night," and a boxing match are the main features of Wednesday evening's programme. The vocal portion will be handled by the Radiolian Quartet, who can be relied upon to give one of their usual excellent interpretations of Rubens' play. The participants in the boxing contest will be the redoubtable Johnnie Leckie and Norman Radford. This latter broadcast will commence at 9 o'clock.

THE first half-hour of Thursday evening's concert will be occupied by Lane Wilson's "Flora's Holiday," a song cycle of charming old English melodies. Some of the songs on the supplementary programme include Chaminade's "L'Ete," to be sung by Madame Gower Burns, "Mandalay" by Mr. Clive Hindle, "Winkin', Blinkin'," by Mrs. Ann Harper, and "Where'er You Walk" by Mrs. Harold Prescott. Miss Dorothy Jenkin will be reciting that evening, one of her items being "A New Lease of Life."

A PROGRAMME of popular items, concluding with a dance music session, is scheduled for Friday evening. The vocalists will be the Dulcet Quartet. Solos as well as concerted numbers will be sung. Miss Hilda Hutt has two charming numbers by Novello and Sanderson. Miss Nellie Lowe will sing "Lad o' Mine," "Red Rose of England," and "Gretna Green" (all by G. Oliver). Mr. T. G. Rogers will sing Adams's "Roses" and "Good Company." Mr. A. G. Thompson will sing the spritely "From Rushy Beds of Silver Nile" and "Harlequin." The Williams Dance Band will supply the latest in dance music.

Saturday, being the eve of Armistice Day, and an excellent wartime concert having been arranged at 2YA, the whole programme will be rebroadcast by 3YA.

4YA Features

THE broadcast of the service from St. Paul's Anglican Cathedral will be followed, if fine weather prevails, by a band concert, relayed from St. Kilda.

ON Tuesday evening the Rev. W. B. Scott will continue his series of talks on early New Zealand, by addressing listeners on "Edward Gibbon Wakefield and the New Zealand Company."

TUESDAY'S programme will contain some particularly fine numbers by the St. Kilda Band. A selection of Wilfred Sanderson's songs, arranged by Ord Hume, will be an outstanding item. The trombone fantasia, "Firefly," will be another item worth watching for. Miss Wyn McPeak (contralto), Mr. L. E. Dalley (tenor), and Mr. E. G. Bond (bass) will provide vocal numbers. Mr. Lester Moller will recite Stephen Leacock's "Under the Barber's Knife" and "The Loss of the Birkenhead," by Conan Doyle.

A POPULAR light programme will follow the relay of orchestral music from the Octagon Theatre on Wednesday evening. Miss Betty Roberts (light mezzo-soprano) will sing numbers from "Sunny" and "That Saxophone Waltz." Miss Thelma Blackman (light soprano), will sing "Just Around the Corner" and "I'm Thinking of Someone." Mr. Chris Harlie (comedian) will entertain with child impersonations and some comic songs. The Scottish comedian, Mr. James Paterson, will present some humorous songs by Lauder and Will Fyffe. Humorous sketches will be presented by Miss Sheila Neilson and Mr. J. B. McConnell. The Dunedin Banjo Trio will feature popular song hits, old and New.

MISS MOLLY VICKERS (mezzo-soprano) will, among other numbers, sing "Ye Banks and Braes" on Friday evening. Some baritone solos from modern composers will be rendered by Mr. L. M. Cachemaile and Miss Madge Yates will recite John Drinkwater's "Morning Thanksgiving." Cornet solos will be contributed by Mr. George Christie.

LIZA LEHMANN'S "The Daisy Chain" will be sung by the 4YA Harmonists on Saturday evening. This delightful song cycle comprises a number of quartets and solos, songs of childhood and their melodies are of the sweetest that could be imagined. Supporting the 4YA Harmonists will be Mr. J. W. Stewart (flautist) and Mr. A. R. Watson (violinist). Mr. Roberta Williams will recite several popular elocutionary numbers. At intervals during the evening, orchestral music under the direction of Mr. L. D. Austen, will be relayed from the Strand Theatre.

THE attention of the Academy of Science is being given to an invention by M. Pasteur, which, it is claimed by the inventor, will convert the sun's rays for the necessary power for a receiver set. A special thermo electric apparatus transforms the heat of the sun into an electric current.

In the Land of Make-Believe

Unusual Devices Used to Effect Realism

IT quite often happens that the children during their hour are transported to some distant place in an aeroplane, motor, sailing boat or train. Those who follow the course in these conveyances are often convinced of the realism of the noises concomitant with these. A battle often appears real by the introduction of what seems to be machine-gun fire and heavy artillery, while the puffing of a train up a steep hill convinces the youthful listeners they are really participating in a trip. Not long ago one station desired to reproduce the sound made by a motor-boat, and it took a deal of thinking and experimenting before the right sound was hit upon. In the end it was simply gained by tapping the fingers of one hand smartly against the palm of the other.

AN Australian writer goes into detail regarding the various noises as follow: In some instances the actual instrument used in the adventure sounds the most realistic on the stage, as in the case of a dog whistle or the clicking of a typewriter or a camera. On the other hand, cannon and gun effects can best be produced by the expert dropping of marbles on bass drums and the rattle of machine guns by playing dried beans on kettle drums. War effects can be heightened by the simultaneous explosion of numerous harmless crackers.

Many experiments were made in American stations to reproduce the bell effects accompanying the running of a train, and it was eventually found necessary to get an actual train bell into the studio. Similarly, in

the reproduction of the noise of an aeroplane engine no substitute could be found, and an actual engine had to be operated in a room adjoining the studio.

THE flapping of canvas sails in the wind is exceedingly hard to imitate over the air, as the flapping does not reproduce through the microphone at all. The best imitation was found by the producers of studio sketches in 2YC to be by playing an electric fan on a piece of tissue paper. The noise of a motor-car engine can easily be imitated from the studio by the holding of stiff sheets of brown paper against the wings of an electric fan.

Strange as it may seem, a revolver fired near a microphone does not sound at all like a revolver shot through the loudspeaker, so that noise has to be artificially produced, again by the useful electric fan and paper.

In American stations it has been found that the best loudspeaker imitation of a forest fire is produced by the noise of a plumber's blow lamp near the microphone, whilst the breaking of matches between the fingers by a number of studio attendants represents the falling of trees caused by the fire.

THEREFORE, noises are not exactly what they seem through the loudspeaker, but the great thing for the producer of radio sketches, as in the stage representation of plays, is to assist the imagination of listeners so that they can mentally picture the scene that is being vocally described to them over the air.

A RADIO Service Club, entitling each member to the free services of an expert radio man, has been inaugurated in Vancouver, Canada. An expert calls on members once monthly. He is equipped with approved testing apparatus, checks, connections, and makes any minor adjustment free. In the event of repairs, the actual material used only is charged for. Batteries are charged at reduced rates.

IT is reported that the exports of radio apparatus from Germany for 1927 were valued at £2,099,000, as against £1,580,000 for 1926. The 1927 figure is a world-beater, and eclipses even the U.S.A.

THE Hilversum shortwave station PCJJ raised its wavelength from 30.2 metres to 31.4 metres, owing to interference.

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