

winner of the elocutionary championship at the recent Wellington Competitions Society's festival.

ON Saturday evening a bright vaudeville programme will be given by the following artists:—The Melodie Four, Miss Adele Taylor, Mr. Barry Myddleton (entertainer at the piano), and the Berthold and Bent Steel Guitar Duo. The orchestra will contribute numerous selections. Mr. L. W. Probert will play as a xylophone solo, with Tell" overture. At 10 p.m. a "Columbia" dance programme will be presented, and at 10.45 the usual "Sporting Summary" of the day's events will be broadcast.

### 3YA Features

THE Church of England service, conducted in St. Mary's, Merivale, will be broadcast by 3YA on Sunday evening. The Venerable Archdeacon P. B. Haggitt will be the preacher, and Mr. Alfred Worsley the organist and musical director. The after-church broadcast will consist of a rebroadcast of 2YA.

THE Christchurch Municipal Band under Mr. J. Noble, assisted by vocal artists, will provide Monday evening's programme. Many diversified items will constitute the band's programme. Mrs. Stephen Parr (mezzo soprano) will present two Old World dancing songs, "Powder and Patches" (minuet), "In the Gay Olden Time" (gigue), and three Cockney cameos, "When the Spring Comes to London," "Mother's Washing Day," and "Down Petticoat Lane." Miss Margaret Richardson will sing several Scottish airs. Archdeacon Taylor, who was at one time a member of the Christchurch Male Voice Choir, will sing "Little Mother of Mine," "I Fear no Foe," and "Nancy Lee." Miss Alice Chapman will contribute three recitations. Popular jazz songs will be sung by Mr. Fred Hale, new to 3YA, but well known as a professional vaudeville performer.


ON Wednesday evening the new instrumental octet under Mr. Harold Beck appears for the first time. The supporting vocal artists will be the Salon Quartet, among whose items will be numerous operatic numbers, both solo and concerted.

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RELIEF BY INHALATION



AT 7.30 on Thursday evening, Mr. N. O. D. Alexander, of Canterbury Agricultural College, will speak to farmers on "Scheme of Official Pig Recording." This talk has been arranged by the 3YA Primary Productions Committee.

FEATURED on Thursday evening's classical programme, when the vocal numbers will be sung by the Melodious Four, will be a new string quartet under Signor Oddone Savini. The vocal numbers on the programme will comprise solo, duet, and quartet numbers. Recitations by Miss Ruby Boot will be "Christmas Legend" and "The Rider of the Sea."

ON Friday evening the Studio Octet under Mr. Harold Beck again contribute to the evening's programme, presenting popular music. The selections will include "March Militaire" (Schubert), a waltz, a musical comedy selection, Lemare's "Andantino," "Czar-das" (by Delibes), "Broadway Melody," "Wedding of the Painted Doll," and "Sentimental Swanee." Baritone solos will be sung by Mr. J. Francis Jones. Mirth and melody will be provided by the Chatterboxes in songs and sketches. A programme of dance music will follow.

ON Saturday evening, the entertainment will consist of old-time songs and recitations with old-time dances.

### 4YA Notes

THE service in First Church will be broadcast on Sunday evening. Professor S. F. Hunter, M.A., D.D., will be the preacher, and the organist Dr. V. E. Galivay.

ON Monday evening there will be a relay of the concert to be given by the Royal Dunedin Male Choir concert in His Majesty's Theatre. The conductor is Dr. V. E. Galivay.

THE studio concert to be given by the St. Kilda Band on Tuesday evening will consist of numerous varied items. The assisting artists will be Miss Rita Holmes (soprano), and Mr. T. White (bass), while elocutionary items will be given by Mr. Lester Moller.

THE vocalists for Wednesday evening will be the Serenaders. Quartet numbers will be two old favourites, "Killarney" and "Home, Sweet Home." Popular solos will be sung by Miss Florence Sumner, Miss Dorothy Allan, Mr. W. Harrison and Mr. R. B. Macdonald. An interesting instrumental programme will be provided by the Studio Trio.

A debate before the microphone will be an entertaining feature of Wednesday evening's programme. The subject to be discussed by the Dunedin Debating and Social Club will be "That the introduction of machinery has done more harm than good."

ON Friday evening the vocalists will be Miss Winnie Collier, Miss Margaret Howden, Mr. Allan Mitchell, and Mr. W. Ruffell. Monologues will be given by Miss Joyce Gould, and there will be instrumental items by the members of the Studio Trio.

## Children's Sessions

### FROM 1YA.

TUESDAY, OCTOBER 8:

Songs from cousins Ruth and Ngaira, recitations from cousin Joyce, some of our favourite records, and, of course, Uncle George with more of the Dr. Dolittle stories.

WEDNESDAY:

Uncle Tom with us again, and will cheer us on our way with story and song. Songs from some of our cousins, and birthday greetings to the birthday folk.

THURSDAY:

Piano solos and recitations from cousins, puzzles and conundrums from Peter Pan.

FRIDAY:

Nod back again, after his wanderings in the south, and we expect to hear about his experiences there. Aunt Jean will have songs to sing and stories to tell.

SATURDAY:

Birthday greetings and stories and jokes from Cinderella, and cousins entertaining at the piano and with recitations.

SUNDAY:

Children's Song Service conducted by Uncle Len as Uncle Leo is away.

### FROM 3YA.

MONDAY, OCTOBER 7:

S is for "Scatterjoy," whose evenings are thrilling.

M are the "Melody Maids" whose forte is sweet singing.

WEDNESDAY:

M is for "Mother Hubbard," who is singing to-night.

U is for "Uncle Frank," whose stories you like.

THURSDAY:

J is for "John," an uncle young and gay.

C is the Choir who will sing a sweet lay.

FRIDAY:

S is for "Storyman" with his stories for all.

Rona, Betty and Nancy, each will sing at his call.

SATURDAY:

B is for "Brother Bih"—so watch out for him.

G is the "Good-night" song, cousin Alice will sing.

SUNDAY:

S is for Sunday and for Song Service too;

We look for this hour just as much as you do.

### Transmission from 'Planes

THE progress that is being made in radio telephone communication from the air is illustrated by the fact that when the French monoplane "Yellow Bird" was taking off on its trans-Atlantic flight it was followed for a short distance by a coastguard plane on which a short-wave radio-phone had been installed. From this plane reports were sent back to the flying field, describing how the French plane was handled over the sea and the weather conditions, etc. These transmissions from the plane were rebroadcast from station WCSH (Portland) and heard by thousands of listeners scattered throughout the Eastern States.

## Railroad Radio

### An Interesting System

OWING to the tremendous lengths of many of the American goods-trains, some means of establishing communication between the engine crew and the guard has had to be devised. The two are frequently over a mile and a half apart, and hence any form of visual communication is obviously impossible, owing to the curves which the train would have to negotiate during its journeys. Telephonic and telegraphic communication has been tried out, but has proved to be unreliable, and mechanical forms of communication are not at all satisfactory.

If radio-telephony were to be employed, there were three main difficulties to be overcome, namely, (a) the necessary installation had to be constructed to withstand the extreme vibration and joltings of the train, (b) any possible atmospheric interference had to be prevented, and (c) the installation had of necessity to be fool-proof and as simple as possible. However, after many protracted tests, these difficulties were overcome, and an ideal system of shortwave radio-telephony communication was devised.

The locomotive transmitter, operated by a turbine-driven generator, works on a wavelength of 130 metres (2300 kilocycles), and delivers a power to the aerial of 45 watts. A cone loud-speaker is fitted up in the cab, and produces sufficient volume to override the noises made by the engine. The guard's equipment at the end of the train is identical with the apparatus employed by the driver. The mode of operation is such that by depressing a button the equipment transmits, and by releasing it, reception only is possible. Thus the equipment at either end is always maintained when not in use, at the "receiving" or "stand-by" condition.

Finally, at various depots along the railroad system, small transmitters are being installed for the purpose of issuing instructions to train-crews. Such a system of signalling between depots and trains is a material safeguard in foggy and rough weather, and it is a system which is now being adapted for passenger train communication.

THE Director of Postal Services stated in Sydney recently that he was taking steps to inaugurate a new system of issuing radio licenses. Under the new arrangement dealers would be able to issue a license to anyone as soon as the set was purchased.

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