

prise numerous old favourites whose popularity never wanes, and some songs which, while well known, especially to the older generations, are not heard so frequently. Among the latter is "The Little Red Lark," to be sung by Miss Graham. Other solos to be sung will be "The Minstrel Boy," "Mother Machree," "Macushla," "The Mountains of Mourne," "That Old Irish Mother of Mine," and "Little Town in Ould County Down." A number of modern popular songs of an Irish character will be heard.

WEDNESDAY evening's programme will attain a high musical standard. Miss Corrie Aslin will sing the waltz song from "Coppelia," a song rarely sung. Her other items will be "Mignonette" and "Un peu d'amour." Miss Dulcie Mitchell will sing "Ave Maria," composed by Mr. R. A. Horne, of Christchurch. This is a particularly fine piece of music and the radio presentation will be the first time it has been publicly sung. Miss Mitchell will also sing "Thank God for a Garden." Mr. H. Blakeley (tenor) will sing the rarely-heard "Aurora" (waltz song) and "When Shadows Gather." The songs chosen by Mr. J. Graham Young are "Lend Me Your Aid" (from "Irene") and "A Bedouin Love Song." There will be two vocal duets: "Home to our Mountains" (from "Il Trovatore") and "Love Me To-night" (from "The Vagabond King"). Recitations will be given by Mrs. Margaret Williams. On the instrumental side a choice programme will be presented by the Studio Octet under Mr. Harold Beck, among the numbers being three of MacDowell's delightful "Woodland Sketches."

THE talk to farmers will this evening be given by Mr. A. M. Paterson, veterinarian of the Department of Agriculture. He will speak on "The Control of Internal Parasites in Sheep."

3YA will rebroadcast 2YA's relay of the welcome to Lord and Lady Bledisloe on Thursday evening.

ON Friday evening "The Arcadians" will be presented, excerpts from this very popular musical play being interspersed by humorous numbers from Mr. Frank Moran and dance music from the Bailey-Marston Dance Orchestra. The singers for the evening will be Miss Frances Hamerton, Miss Belle Renaut, Mr. Russell Sumner and Mr. T. D. Williams.

SATURDAY evening's programme will provide a very bright entertainment. Solos from "Hit the Deck," "The Student Prince" and "The Vagabond King" will be sung by Miss K. Hart-Stewart. Popular songs by Mrs. M. Sierokowski will be "I'd Climb the Highest Mountain," "Girl of My Dreams," and "What's Become of Sally?" Mr. E. A. Dowell will also sing popular numbers. There will be songs and patter by the Happiness Boys, who will make their first radio appearance

as a duo. Humorous sketches will be given by Mr. Sydney Comfort, and on the instrumental side of the musical programme the contributors will be Mr. Harold Beck and the Studio Trio.

Features from 4YA

ON Sunday evening the service in Hanover Street Baptist Church will be broadcast. The Rev. E. H. Tuckwell will be the preacher. A relay of 3YA's after-church concert will follow.

MONDAY evening's programme will be a special Irish concert in honour of St. Patrick's Day.

ON Tuesday evening the Salvation Army Band, under Mr. A. W. Millard, will provide a programme. The items to be played will be "Red Shield," "In Emanuel's Praise," "Adeste Fideles," "Beethoven and Spohr," "Musical Switch," "Warrior's Reward," "Beauty of Christ," and the march "Beaumont." The supporting vocalists will be Mrs. D. Carty, Miss Helen Roy and Mr. Noel H. North, while elocutionary items will be given by Miss Ngata Buswell.

THE subject for the discussion with ladies on Wednesday afternoon will be "Fixed Versus Movable Equipment." At 7.15 Dr. A. Fisher, Professor of Economics, Otago University, will speak on "The Marketing Conditions on the Farm." Both talks are under the auspices of the 4YA Primary Productions Committee.

WEDNESDAY evening's programme will consist of a relay from the new Town Hall, where a first-class concert is to be given under the auspices of the Children's Day Nursery Committee. An excellent programme has been arranged. Miss Mae Matheson (soprano), Miss Freda Elmes (soprano), Mrs. A. Ritchie (contralto), Mr. J. E. Davies (tenor), Mr. Fred Kershaw (bass), Mr. Bert Rawlinson (Scottish songs), Miss Anita Winkel (elocutioniste), Mr. F. H. Lampen (humorous talks), Mr. W. Smith (tenor horn champion), Mr. J. B. McConnell (yokel comedy), Dr. Price (organist), Miss Ethel Wallace (violiniste) and Miss Vivienne Lamb and Mr. Cockburn (dancers), with Mrs. E. Drake as accompaniste.

INSTEAD of observing "silent night" on Thursday, 4YA will be on the air to rebroadcast from 2YA the welcome to Lord and Lady Bledisloe.

ON Friday evening the popular duo of radio players, Miss Anita Winkel and Major Lampen, will be welcomed on their reappearance before the microphone. They will present two sketches, "The New Portia" and "The Indicator." A fine instrumental

programme will be presented by the Studio Quintet, the items comprising Nevin's suite, "In Arcady," Weber's "Invitation a la Valse," a selection from "The Pink Lady," Taylor's "Petite Suite de Concert," the "Wee McGregor Patrol," "When You Come Home," and Peel's suite, "Valse Piquantes." The soloists for the evening will be Miss Molly Vickers and Mr. Wm. Ruffell. Clarinet and cello solos will be played by Mr. S. George and Mr. Frank Drake respectively.

ON Saturday evening 3YA's programme will be relayed.

Children's Sessions

At 2YA.

MONDAY, MARCH 17: Uncle Jeff is coming to-night with fresh Riddles and Puzzles. There will be a real Doll's House and we are going to play "Houses."

TUESDAY: Uncle Jim to-night. Cousin Evelyn has prepared a programme all by herself for you. She is bringing musical monologues and violin solos.

THURSDAY: Now comes Uncle George and Jumbo, who will tell stories of Maori lore. Cousin Joyce will play on the vibraphone and other cousins are singing and reciting.

FRIDAY: Robinson and Big Brother Jack and the Clucking Hen will be in the studio to-night. Cousin Marjorie will dance a clog dance and Athol will play two violin solos. The Story Book Lady will also be here.

SATURDAY: Uncle Toby and his Mouth Organ, with Cousins Babs and Marjorie in his aeroplane. The Sunshine Trio are coming again and three little girls will recite.

SUNDAY: Mr. Thomas is bringing the Children's Choir from the Church of Christ and the service will be conducted by Uncle George.

A Radio Story

Berlin on a Crystal

AN amusing story from Denmark is told of a radio dealer in a Danish town, who woke up one morning to find he had on his hands a number of unsaleable crystal-detector sets. On his consulting a friend who happened to be an enthusiastic radio amateur and the proud possessor of a short-wave transmitter, the friend begged permission to remake one of the sets, and shortly afterwards demonstrated to the astonished dealer that he was able, apparently, to hear Berlin on the set.

The dealer, unable to resist the temptation, passed on the good news to the proprietor of a general store, who also found to his satisfaction that Berlin came through quite well; and in a very short time the sets—remodelled in the meanwhile—had changed hands. The general storeman then wished to give a demonstration in his stores of his newly-acquired "crystal-detector sets "with guaranteed reception of foreign stations," and, learning

Sectional Aerial Towers

A New Development

INSTEAD of being one unit of steel supported on large insulators, the 200-foot aerial towers of radio station WHK, at Cleveland, have been broken up into five sections, each about forty feet long, with big porcelain insulators between the sections. This method, which gives more uniform and reliable reception, was developed by a well known American radio engineer.

The ideal aerial is one that is suspended in the air in order to radiate energy in a circle, and the sectional tower is the nearest practical approach to this ideal. In one-piece towers it is often necessary to tune the tower to the frequency of the station because such masses of metal behave like one plate of a large condenser, the other terminal being the ground, and so have a natural period of oscillation. With the sectional towers, the frequency of the individual sections is so high that they do not interfere with station frequency.

Ladders and hoisting system for raising or lowering the aerial also are provided with gaps and insulated sections. Electric lights cannot be used because the wires interfere with insulation, and, instead, the top of the tower is lighted with acetylene, the gas being carried in copper tubing with porcelain insulation at each tower section.

this, the dealer rang up his friend the amateur and asked him to oblige again with the necessary "Berlin programme" from his transmitter.

When, however, the radio amateur, announcing as before in his best German: "Achtung! Achtung! Meine Damen und Herren wir senden Schallplattenkonzert," etc., was just about to put on the first gramophone record, a shrill feminine voice was heard exclaiming in Danish: "Karl, komer du til Frokosten eller ikke!" (Charles, are you coming to breakfast or not?).

The words of Karl's landlady put an abrupt end to the transmission from "Berlin," and the customers, possibly thinking the demonstration was a queer sort of joke gradually faded away. It is said that the case even reached the law courts, where it caused so much amusement that the two offenders (the general storeman having acted in good faith) got off lightly.

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