

Programmes Continued

(Continued from page 11.)

- 9.5: Soprano solos—Mrs. D. Cherry, (a) "If You Were the Opening Rose" (Hewitt); (b) "Will o' the Wisp" (Spross).
 9.12: English concertina medleys—Mr. E. W. Heald, "Medley of Old-time Melodies" (MS.).
 9.17: Contrast songs—Mr. Jack Smyth, (a) "Devotion" (Wood); (b) "When You And I Were Seventeen" (Rosoff).
 9.24: Steel guitars and ukulele—Miss Elaine Moody's Hawaiian Instrumental Trio, (a) "Dreamy Hawaii"; (b) "Hanalei Bay" (introducing "My Hawaiian Maid"); (c) "Cheerie, Beerie, Bee" (Wayne), (own arrangement).
 9.33: Contralto solos—Miss Marian Woodhouse, (a) "The Turn of the Year" (Willeby); (b) "Happy Song" (Del Riego).
 9.40: Instrumental trios—Christchurch Broadcasting Trio, (a) "Melodie" (Moskowski); (b) "Vienna Life" (waltz), (Strauss).
 9.48: Bike pump and one-stringed fiddle duet—Messrs. E. G. Hunter and V. Lawford, (a) "Love's Old Sweet Song"; (b) "A Perfect Day" (own arrangement, MS.).
 9.56: Humorous recitation—Mr. W. H. Moses, (a) "Yaweb Strauss" (Allen, MS.); (b) "The Puzzled Dutchman" (Allen, MS.).
 Dance music until 11 p.m.
 God Save the King.

4YA, DUNEDIN (463 METRES)—SATURDAY, JUNE 23.

- 2.45 p.m.: Relay description of Rugby football match from Carisbrook.
 5.0: Close down.
 7.15: News session.
 7.30: Address by Dr. Salmond on "The Pacific" (under the auspices of the Workers' Educational Association).
 8.0: Town Hall chimes.
 8.1: Relay of orchestral music from the Empire Theatre Orchestra.
 A studio presentation of Herman Lohr's song cycle, "The Little Sunbonnet."
 8.11: Vocal quartet—4YA Harmonists, "The Little Sunbonnet" (Lohr).
 8.14: Soprano solo—Miss Roma Buss, "The Little Print Bonnet" (Lohr).
 8.18: Violin solos—Mr. A. R. Watson, (a) "Polonaise" (Bohm); (b) "The Dawn" (Nevin).
 8.24: Vocal duet—Miss Mollie Andrews and Mr. F. M. Tuohy, "Where Violets Grow" (Lohr).
 8.27: Flute solo—Mr. J. Stewart, "Des Marionettes" (Gurlitt).
 8.32: Baritone solo—Mr. F. M. Tuohy, "Little Molly Mary" (Lohr).
 8.35: Pianoforte solos—Mrs. Ernest Drake, L.A.B., (a) "Gavotte" (Gluck-Brahms); (b) "Second Arabesque" (Debussy).
 8.40: Vocal quartet—4YA Harmonists, "A Lady Came to Our Town" (Lohr).
 8.44: Cornet solo—Mr. George Christie, "Zelda" (Code).
 8.52: Tenor solo and quartet—Mr. R. A. Mitchell and 4YA Harmonists, "Somewhere Town" (Lohr).
 8.56: Relay of orchestral music from Empire Theatre.
 9.6: Weather forecast.
 9.9: Soprano and baritone duet—Miss Roma Buss and Mr. F. M. Tuohy, "The Rose and the Nightingale" (Lohr).
 9.13: Violin solo—Mr. A. R. Watson, "Ballet Music From Orfeo" (Gluck).
 9.17: Mezzo-soprano solo—Miss Mollie Andrews, "If I Had a Dolly" (Lohr).
 9.20: Flute solos—Mr. J. Stewart, (a) "Mazurka, Op. 7, No. 1" (Chopin); (b) "Cantilene" (Barrett).
 9.30: Vocal quartet—4YA Harmonists, "So Glad a Heart" (Lohr).
 9.38: Soprano solo—Miss Roma Buss, "Love, Here is My Heart" (Silesu).
 9.37: Tenor solo—Mr. A. R. Mitchell, "The Old Refrain" (Kreiser).
 9.40: Cornet solo—Mr. George Christie, "I Hear You Calling Me" (Marshall).
 9.46: Baritone solo—Mr. F. M. Tuohy, "I Think of Thee" (Lambert).
 9.50: Relay of orchestral music from Empire Theatre.
 10.0: Close down.

Sunday, June 24

1YA, AUCKLAND (333 METRES), SUNDAY, JUNE 24.

- 3 p.m.: Afternoon session—Selected studio items.
 4.0: Literary selection by the Announcer.
 4.8: Selected studio items.
 4.30: Close down.
 6.0: Children's song service, conducted by Uncle Leo, assisted by cousins from the Grange Road Baptist Sunday School.
 6.55: Relay of service from Baptist Tabernacle. Preacher, Rev. Joseph Kemp. Organist and choirmaster, Mr. Arthur E. Wilson.
 8.30: Relay of band recital by the Auckland Municipal Band, under the conductorship of Mr. Christopher Smith.
 9.30: Close down.

2YA, WELLINGTON (420 METRES), SUNDAY, JUNE 24.

- 3 p.m.: Afternoon session—Selected studio items.
 4.30: Close down.
 6.0: Children's Sunday service, conducted by Uncle Ernest.
 6.55: Relay of evening service, from St. Andrew's Presbyterian Church. Preacher, Rev. R. Howie. Organist and choirmaster, Mr. Frank Thomas.
 8.15 (approx.): Relay of band recital of the Port Nicholson Silver Band from the Grand Opera House. (Conductor, Mr. J. H. Drew.)
 Close down.

3YA, CHRISTCHURCH (306 METRES), SUNDAY, JUNE 24.

- 5.30: Children's song service, conducted by Uncle Sam, who will be assisted by scholars from St. Luke's Anglican Sunday School.
 6.30: Relay of evening service from St. Mary's (Church of England), Merivale. Preacher, Rev. Archdeacon P. B. Haggitt; choirmaster, Mr. Alfred Worsley.
 After-church music will be given from 3YA studio.
 8.15 (approx.): Rebroadcast of 2YA, Wellington, by relay of concert by the Port Nicholson Band from Grand Opera House, Wellington.
 God Save the King.

4YA, DUNEDIN (463 METRES), SUNDAY, JUNE 24.

- 5.30 p.m.: Results to hand of All Blacks tour.
 5.31: Children's song service, conducted by Big Brother Bill, assisted by Cathedral Choristers.
 6.30: Relay of service from Hanover Street Baptist Church. Preacher, Rev. E. S. Tuckwell. Choirmaster, Mr. H. P. Desmoulin.
 8.0: Relay from His Majesty's Theatre of band concert by the Kaitiaki Band, under the conductorship of Mr. E. Franklin.
 9.15: Close down.

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(Opp. Y.M.C.A.)

Features

(Continued from Page 7.)

A MISCELLANEOUS concert of excellent quality will be broadcast by 3YA on Wednesday evening. "The Gladiator" will be sung by Mr. A. G. Thompson. He will also sing "Harlequin." Mr. T. G. Rogers will sing "Like Stars Above," and Donizetti's "A Furtive Tear." The two lady vocalists Miss Nellie Love and Miss Hilda Hunt, will also be heard in songs well suited to their voices. Quartet items will be a feature of the vocal programme.

A HUMOROUS reciter who is proving a great success at 3YA is Mr. H. Instone, much of whose work is original. On Wednesday evening his items will be "Publicity" and "McBride's System." Instrumentalists on Wednesday's programme will be the Studio Trio, Mr. Harold Beck (cello), Mr. Percy W. Reeves (trumpeter), and Mr. R. C. Brundall, who will play saxophone solos.

ANOTHER miscellaneous programme will be presented on Thursday evening. The vocalists will be the Madame Gower-Burns Grand Opera Quartet. It will be a particularly attractive programme. Elocutionary items will be given by Miss Myra Edmonds. These will be "Twenty Gallons of Sleep" and "Playmate."

A POPULAR programme has been arranged for Friday. The Radio-lan Quartet will sing some songs which are not well known to listeners, but quite a number of their items will be old favourites. A great variety is being introduced in regard both to type of song and date of composition. One "Old Courting Rhyme" goes back to 1672, and another is a humorous duet of Shakespeare's time. Among the others will be found popular Irish and Scottish airs as well as a modern fox-trot song.

Also on Friday's programme will be the Studio Trio, Miss Aileen Warren, Mr. George Bennet (in a variety of mouth organ solos), and Mr. Jack Gillespie, who will play his banjo and sing popular songs. Then there will also be Mr. J. P. Darragh, whose stories this time will be of Jewish persuasion.

MANY items of a much-diversified nature are crowded into Saturday evening's vaudeville programme at 3YA. On the programme appear Mrs. D. Cherry (soprano), Miss Marian Woodhouse (contralto), Mr. E. W. Heald (English concertina solos), the Studio Trio, Miss Elaine Moody's Hawaiian Trio, Messrs. E. G. Hunter and V. Lawford (bicycle pump and one-stringed fiddle duets), Mr. Jack Smyth in popular songs and Mr. W. H. Moses (elocutionary items).

4YA NOTES

ON Sunday next 4YA will relay the service from Knox Church, the preacher being the Rev. Tulloch Yule, M.A., B.D. Following the Church service, a studio concert will be presented.

A FIRST-CLASS programme has been arranged for Tuesday evening, when a fine selection of items will be played by the St. Kilda Band, under the conductorship of Mr. James Dixon. In addition to the band items several well-known vocalists and elocutionists will be heard. Mr. Bert Rawlinson will present a group of baritone solos, interpretations of negro spirituals. Mrs. D. Carty (soprano) will contribute a song which was one of the most popular ballads of a decade ago, "Queen of the Earth."

AMONG the bass solos to be sung on Tuesday evening by Mr. F. C. Cooper will be two popular nautical songs, "Drake Goes West" and "Down Among the Dead Men." A humorous vocal duet, "Maggie Lauder," will be presented by Mrs. D. Carty and Mr. Bert Rawlinson. Humorous and serious elocutionary numbers will be presented by Miss Anita Winkel and Mr. Lester Moller.

Pastor W. D. More will also be heard in a humorous address on Tuesday evening.

Among the outstanding numbers from the band on Tuesday evening will be a descriptive selection entitled "A Sailor Life." This composition is comprised of well-known sea songs and nautical music, and will be all the more interesting because members of the band will be heard singing some of the choruses.

AS usual, a bright and mostly humorous programme will be broadcast on Thursday night. Miss Betty Roberts will sing a group of lyrical songs from well-known musical comedies. Mr. J. B. McConnell (light baritone) will sing several popular hits, including Irving Berlin's great success "The Song is Ended." Miss Thelma Blackman, a light soprano artist new to the microphone, will contribute some of the latest popular songs, and also the old favourite "Can't You Hear Me Calling Caroline."

THAT popular combination, the Dunedin Banjo Trio, will also be on Thursday night's programme in a number of popular hits both old and new. Hawaiian guitar duets will be rendered by Messrs. Sheehy and Campbell, and Miss Hilda Seurr and Mr. Carl Moller will attend to the elocutionary portion of the programme.

Glossary of Wireless Terms

UNDER this heading we will give regularly sections of the glossary of wireless terms which is a prominent feature of the N.Z. Radio Listeners' Guide. In that book, although set in the smallest type, it occupies some 13 pages, and is definitely in our opinion the most comprehensive and complete glossary on modern lines which has been made available in the Dominion. For the benefit of our readers the glossary will be reprinted in our columns.

"B" BATTERY.—The alternative name for the high-tension (H.T.) battery. It is employed for applying an electrical potential to the plates (or anodes) of valves. The "B" battery may comprise "dry" or "wet" cells (accumulator type). It comprises several groups of cells totalling 22½ volts, or 45 volts in the case of "dry" batteries, waxed into cardboard enclosed blocks, and from 24 volts upwards in the case of "wet" batteries. Care must be exercised not to connect the "B" batteries to the filaments of valves, in place of the "A" batteries, as the valves would be irreparably damaged.

BAKELITE.—An insulating material presenting an appearance very similar to ebony. Has very high heat-resistant properties. The majority of panels, dials, etc., in radio sets are made of this material.

BALLAST TUBE.—A special valve, usually gaseous, which is installed in B battery eliminators for the purpose of maintaining constant operation of the device irrespective of fluctuations of input or output.

BANK WINDING.—A system of winding adopted so that adjacent turns either on each side or above or below shall not be at a materially different potential. The self-capacity of such a winding is kept at a minimum thereby.

BASKET COIL.—A coil of high efficiency and simple construction which is wound alternately over and under radiating pegs, after the fashion of basket-work.

BATTERY.—This term indicates a chemical instrument for generating, or storing and then releasing, electrical energy. The battery may be wet or dry according to whether the electrolyte or chemical solution is spillable or non-spillable. A "dry" battery would be better known as a "damp" battery. The energy obtainable from a battery is in proportion to the chemical action which takes place.

BEAM TRANSMISSION.—A system developed by the Marconi Co. of England of transmission by radiations concentrated and projected in a desired direction just as the beam of a searchlight is concentrated and directed. The system achieves a gain in secrecy, economy, and range. The wavelength of any beam system is invariably under 50 metres.

BEAT NOTE.—The result of superimposing one oscillatory current on another in order to set up a third frequency or beat. Used in connection with heterodyne reception. See "Heterodyne."

BEAT RECEPTION.—See "Heterodyne."

BIAS BATTERY.—Sometimes known as a "C" battery. Supplies a potential to the grid of a valve in order to make the valve perform its various functions at maximum efficiency and with a minimum consumption of "B" battery current.

BLOCKING CONDENSER.—Another name for a fixed condenser. Its purpose is to give a short path for radio or audio frequency currents, but acts as a bar to direct current such as that which flows from the batteries. On the other hand, a condenser of the right value will pass radio frequencies but block audio frequencies.

BODY CAPACITY.—See "Hand-capacity."

BROADCAST BAND.—The band of wavelengths generally ranging from 200 to 550 metres. American receiving sets are constructed for reception only on this band of wavelengths. In England a large proportion of receiving sets, by the use of plug-in tuning coils, can be adapted for the reception of wavelengths extending considerably over a thousand metres, so that many of the Continental broadcast stations which operate on the longer wavelengths can be tuned in.

OVERSEAS MAILBAG

INTERESTING LETTERS

APPRECIATION OF 1YA.

INTER alia, in the course of a letter to 1YA, Mr. B. L. Spurlock, of Stockton, California, writes:—

"The music comes in fine for a few minutes, and then fades away for a short time, but most all stations in Australia and Japan do the same in my experience in DX chasing, which I take a great delight in. I have between 200 and 300 stations on my list from different parts of the world. I find that a 500 or 1000 wt. station comes in better over water at three times the distance than over land."

Clearer than 4QG.

A LETTER from Coolangatta, Queensland, states: "For some time we have been enjoying the programme broadcast by your station, and on Friday night last we heard and enjoyed a description of the fight from the Town Hall. We had the Sandman from Brisbane listening-in one night, and he agreed with us that the reception was much clearer than 4QG."

FOR the first hour on Friday evening an interesting programme of ballad music has been arranged, including instrumental, vocal, and recital works. The Rev. G. E. Moreton will contribute some clarinet solos, including Rubenstein's "Melody in F," which is a pretty arrangement of this beautiful composition.

The Friday night dance hour will commence shortly after 9 p.m. and continue until 10 o'clock. The latest dance music will be played by Alf Carey and his Savoy Orchestra, being relayed from the Savoy.

A MOST interesting programme will be heard on Saturday when the 4YA Harmonists will present Hermann Lohr's delightful song cycle, "The Little Sunbonnet." The numbers comprise quartets, duets, and solo items, which will be taken by Miss Roma Buss (soprano), Miss Mollie Andrews (mezzo-soprano), Mr. R. A. Mitchell (tenor), and Mr. F. Tuohy (baritone). Instrumental music will be provided by Mr. A. R. Watson (violinist), Mr. J. Stewart (flute), and Mrs. Ernest Drake, L.A.B. (pianiste). Mr. George Christie will play cornet solos, including Kreisler's "The Old Refrain."

ADDRESSES FROM 4YA

AT 4 p.m. on Tuesday, Mr. G. J. Butcher will continue his series of talks on "The Domestic Uses of Electricity."

Mr. R. W. Marshall, manager of the Dunedin Government Tourist Department, will discourse on well-known tourist resorts at 7.30 p.m. on Tuesday.

A FASHION Talk will be given by Miss Bueclench at 3.30 p.m. on Friday afternoon.

Mr. H. Greenwood, Librarian of the Dunedin Athenaeum, will review the latest books at 7.30 p.m. on Friday.

UNDER the auspices of the Workers' Educational Association, Dr. Salmond will lecture on the "Pacific" at 7.30 p.m. on Saturday evening.

Almost Perfect.

WRITING to 1YA from Cooranbong, N.S.W., Mr. G. Wallace says: "I love both 1YA and 2YA. Sometimes 3YA puts over some stunning cornet solos which we greatly enjoy. 4YA also arrives with good punch. Good-bye, 1YA. (Cheerio). Thanks for your programme. Only for static and fading you would be perfect."

Absence of Mushiness.

IN a letter from Bundaberg to 1YA appears the following remark: "We quite enjoy listening to your station. It seems quite evenly balanced from here—no mushiness or harshness like some of our Australian stations, which is not right to mention."

LETTERS TO 2YA

Alaska Dances to Wellington Cabaret.

"WE wish to advise that we are enjoying your programmes practically every night. I pick you up with sufficient volume to be heard on the loudspeaker, and sometimes your station can be heard for a distance of three and four blocks."

"Last night I picked up the programme broadcast from the Columbian Cabaret, and my wife and I had several dances to the splendid music as rendered by the orchestra. When I first picked you up it was 11.45 p.m. our time, and according to the time signals given by your station, there is a difference of 18 and a half hours between Wellington and Anchorage, Alaska. I picked you up Friday, and listened to your Saturday night programme."

Wishing you continued success, and thanking you for the splendid entertainment you are giving us."—"P.B." Anchorage, Alaska.

Wonderful Transmission.

"AT this moment your wonderful transmission is rolling in with such wonderful tone and volume as to make my loudspeaker prove its value. When the band plays it is impossible to hear one speak, even if we shout."—"G.W." Cooranbong, N.S.W.

Two Valves for Long Distance.

"I AM sure you like hearing from Australia how your stations are being received here. I am living on a sheep station 375 miles from Sydney, North-west, and I am using a two-valve set, and it is the best I have seen for long-distance work. I switch on to you about 7.30 here, and can hold you till you close down at 10 p.m. Your station is quite up to the standard of our A class stations here."—"A.W.P." Boolcarrol, N.S.W.

Appreciation of Programmes.

"JUST a line to let you know that I receive your programme, which are equal to any over here, very clearly and distinctly, with good volume, on my five-valve neutrodyne. Tonight at 10.20 an orchestral item, "Humoresque" from your station was very much enjoyed by several people who were listening in 200 yards away from my house."—"D.C." Coonamble, N.S.W.

More Appreciation.

"YOUR programmes have been a source of pleasure to me for the past three weeks, primarily because you know how a radio enthusiast feels when he can 'bring them in' from far away. And also because your programmes are well selected, and most please many 'listeners-in'."—"L.B." Hollywood, California.