

Full Programmes for Next

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NOTES AND COMMENTS

(By "Switch.")

THAT the voices of famous present-day men, transformed into radio waves, are now wandering around the earth and may be picked up a century hence is the startling contention of engineers of the Marconi Company, London. Such waves, they say, never die out completely; with selective enough receivers they might be heard in 2025! Already they have heard programmes that have circled the world three times. Commenting on the idea, Dr. Lee de Forest, inventor of the radio valve, said:—"Theoretically the waves exist for ever, as do those of the ocean. The splash made by Noah's ark is still in existence. Radio waves are too weak to be recorded by existing receivers even a few minutes after their emission."

LORD KNUTSFORD'S broadcast appeal on behalf of the London Hospital on February 5 resulted in the receipt of no less than £20,000 from listeners. One subscription was received from Constantza on the Black Sea. An excellent proof of the enormous value of broadcasting, but one shivers to think of the possibilities of the art if it were used for propaganda.

THAT the possibilities in short-wave radio—considered unimportant a few years ago but now commanding interest by leaders in the new science—are far from exhausted is again indicated by discoveries of Abraham Esau, of Jena, Germany, that have resulted in his invention of a method to increase the power of short-wave broadcasting. Esau has discovered that a wire gauze placed on the surface of the earth under the antenna reduces the earth-current losses to a minimum, thus conserving virtually all the energy for radiation and giving greater distance. The network must be three or four times the wavelength being used. Esau provides also for the saturation of the earth beneath the antenna with some chemical agent, the nature of which he does not reveal. This improves the conductivity, he says.

THE chief difficulty which beset those who first tried to operate receivers direct from the alternating current mains was due to the imperfect rectifying and filtering systems used. However, the development of the gaseous conductor valve which operated on the short path principle solved these problems, and the use of these valves, together with specially designed filters and chokes, made possible the dream of the radio engineer and broadcast listener—all electric operation. The first commercially made eliminators suffered from many faults. The transformers and chokes were not designed to withstand the heavy currents which were passing through their windings, with the result that they burnt out. All this has now been overcome, and we have at last the perfect all-electric set.

A FRENCH astronomer, M. F. Baudet, finds evidence that the planet Jupiter, largest in the sun's family, is shooting enormous volcanic bombs into space. Some of the comets and fire balls that sometimes hit the earth may come from Jupiter. Maybe Jupiter is responsible for some of the static we have been having lately.

A GREAT British astronomer, Professor J. H. Jeans, says the sun is ready to collapse at any moment. When it does, the earth will be frozen so cold nobody can live on it.

IT is surprising when one looks around to see the number of broadcast listeners who employ the careless method of leading the aerial through the wall ventilator, or worse still, under the window sash. If one only thinks for a moment one must realise that the principle is wrong. It might do very well in the very dry weather, but what about the wet and damp weather? Some text books tell us that fully 25 per cent. losses occur through carelessly installed lead-in devices.

TWENTY times as many sets as are now being used would be needed to satisfy fully the potential world radio market, according to the estimate of the United States Department of Commerce. The 18,000,000 receiving sets now in use throughout the world serve about 90,000,000 of the earth's inhabitants, or approximately 9 per cent. of the population of existing zones of constant radio reception. If the zones of broadcast service were extended to include the whole world, 350,000,000 sets would be required. So the bugbear of radio "saturation" is still a good many decades in the future.

VERY short waves, i.e., those below about 50 metres, do not travel along the surface of the earth, but are projected into space and reflected by the heaviest layer. For this reason the signals from short-wave stations may not be so strong near to the point of origin as they are at a distance of several hundreds, or even thousands, of miles away.

Sunday, June 10

1YA AUCKLAND (333 METRES)—SUNDAY, JUNE 10.

- 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 Dominion Road Methodist Sunday School.
7.0: Relay of evening service from St. Andrew's Church. Preacher, Rev. Lamb Harvey. Organist, Dr. Neil McDougall.
8.30: Relay of Auckland Municipal Band Recital from Town Hall (under the conductorship of Mr. Christopher Smith).
9.30: Close down.

2YA WELLINGTON (420 METRES)—SUNDAY, JUNE 10.

- 11 a.m.: Relay of morning service of the Cambridge Terrace Congregational Church. Preacher, Rev. Thomas Yates; organist and choirmaster, Mr. T. Forsyth.
3 p.m.: Afternoon session—Selected studio items.
4.30: Close down.
6.0: Children's service, conducted by Uncle Ernest, assisted by children from St. James's Presbyterian Church.
6.55: Relay of evening service from St. Thomas's Anglican Church, Newtown. Preacher, Rev. F. S. Ramson, L.T.H. (Vicar of Petone); organist and choirmaster, Mr. Wenzel Collie, L.L.C.M.
8.15 (approx.): Relay of band recital of the Port Nicholson Silver Band from the Grand Opera House. (Conductor, Mr. J. J. Drew).

3YA CHRISTCHURCH (306 METRES)—SUNDAY, JUNE 10.

- 5.30 p.m.: Children's song service, conducted by Uncle Sam, assisted by scholars from the Tennyson Street Congregational Sunday School.
6.30: Relay of evening service from Trinity Congregational Church. Preacher, Rev. D. Gardner Miller.
8.15: Relay of 2YA Wellington (Band Concert by the Port Nicholson Band, from the Grand Opera House, Wellington).
God Save the King.

4YA DUNEDIN (463 METRES)—SUNDAY, JUNE 10.

- 5.30 p.m.: Children's song service conducted by Big Brother Bill, assisted by the Y.M.C.A. Boys' Division Choir.
6.30: Relay of service from the Methodist Central Mission. Preacher, Rev. W. Walker. Organist, Mr. Chas. A. Martin.
8.0: Relay from His Majesty's Theatre of concert by the Kaikorai Band, under the conductorship of Mr. E. Franklin.
9.15: Close down.

Monday, June 11

1YA AUCKLAND (333 METRES), MONDAY, JUNE 11.

SILENT DAY.

2YA WELLINGTON (420 METRES), MONDAY, JUNE 11.

- 3 p.m.: Chimes of the G.P.O. clock.
3.1: Selected gramophone items.
4.30 and 4.55: Sporting results to hand.
5.0: Close down.
6.0: Children's hour—Auntie Gwen and Uncle Jeff and pupils of Queen Margaret College, under Mr. L. Barnes. Choruses, duets, puzzles, stories, and greetings.
7.0: News session, market reports, and sports results.
7.40: Lecturette—Rev. J. R. Blanchard, "King Kookaburra."
8.0: Chimes of the G.P.O. clock.
8.1: Overture—The Orchestra, "Overture in the form of a March" (Meyerbeer).
8.9: Fifteen minutes of Old Irish vocal music by the Ariel Singers.
(a) Bass solo, with unison chorus—Mr. J. M. Caldwell and Ariel singers, "Cockles and Mussels."
(b) Mezzo-contralto solo—Miss Ngaire Coster, "Believe Me, If All Those Endearing Young Charms."
(c) Tenor solo—Mr. Roy Hill, "My Love's an Arbutus."
(d) Quartet—Ariel Singers, "The Cruiskeen Lawn."
8.24: Symphony—The Orchestra, "Military Symphony" (Haydn).
8.34: Recital—Mr. A. Stanley Warwick, "The Ballad of the Bolivar" (Kipling).
8.39: Soprano solo—Miss Jeanette Briggs, L.A.B., "Nightingale of June" (Sanderson).

- 8.41: Instrumental trio—Symons-Elwood-Short Trio, "Trio in G" (Reisiger).
8.52: Humorous song at the piano—Mr. E. A. Sargent, "Sandy McClusky."
8.57: Weather report and announcements.
8.59: Repeat numbers—The Orchestra.
9.9: Bass solos—Mr. J. M. Caldwell, (a) "Port of Many Ships" and (b) "Trade Winds," from Keel's "Salt Water Ballads."
9.16: Pianoforte solos—Miss Mavis Torstenson, (a) "Prelude in E Minor" (Mendelssohn); (b) "Ballade in D Minor" (Brahms).
9.23: Vocal duet—Misses J. Briggs and N. Coster, "I Know a Bank" (Horn).
9.27: Clarinet solo—"Open Thy Blue Eyes" (Massenet).
Valse—The Orchestra, "Tout Paris" (Waldteufel).
9.35: Tenor solos—Mr. Roy Hill, (a) "The Lotus Bloom" (Schumann); (b) "In Summer Fields" (Brahms).
9.40: Recital—Mr. A. Stanley Warwick, "The Secret of the Machines" (Kipling).
9.45: Humorous songs at the piano—Mr. E. A. Sargent, (a) "Spring, Glorious Spring" (McGill); (b) "The World Went Very Well, Then" (Spurr).
9.50: Vocal quartet—Ariel Singers, "Ay Waukin', O" (traditional, arr. Robertson).
9.54: Ballet music—The Orchestra (Meyerbeer-Kretschmer).

3YA, CHRISTCHURCH (306 METRES), MONDAY, JUNE 11.

- 3 p.m.: Afternoon session—Selected studio items.
4.25: Sports results.
4.30: Close down.
6.0: Children's session—Uncle Jack, bedtime stories, birthday greetings, and songs.
7.15: News session.
7.30: Talk on "Esperanto," by Mr. N. M. Bell, M.A., B.D.
8.0: Chimes. Relay of orchestral music from Strand Picture Theatre Orchestra, under the conductorship of Mr. Harry Ellwood. Studio concert by Derry's Military Band, and assisting artists.
8.5: March—Band, "Flag Day" (Schramm).
8.10: Baritone solo—Mr. Eric Joyce, "Fishermen of England," from "The Rebel Maid" (Phillips).
8.14: Waltz—Band, "Malmalson" (Zulueta).
8.20: Soprano solos—Miss Hilda Hutt, (a) "Were I a Bird" (Knight and Logan); (b) "Phyllis" (an idyll), (Knight and Logan).
8.26: Selection—Band, "Chu Chin Chow" (Norton).
8.38: Tenor solo—Mr. T. G. Rogers, "Myfanwy" (Davies).
8.42: Fox-trot—Band, "Ain't that a Grand and Glorious Feeling?" (Ager).
8.47: Contralto solo—Miss Eileen Irwin, "The Harvesters' Night Song" (Power).
8.51: Recital—Mr. Hiram Dunford, "The Dandy Fifth" (a memory of my military days), (MS.).
8.57: Weather forecast.
8.59: Relay of orchestral music from Strand Theatre.
9.5: Baritone solo—Mr. Eric Joyce, "The Skipper" (Jude).
9.9: Morceau—Band, "Thistle-down" (Heanessys).
9.14: Soprano solo—Miss Hilda Hutt, "Good-bye" (Tosti).
9.18: Cornet solo—Bandsman C. Joughin, "That Old-fashioned Mother o' Mine" (Nicholls).
9.23: Tenor solos—Mr. T. G. Rogers, (a) "Roses of Picardy" (Wood); (b) "Good Company" (Adams).
9.30: Pot-pourri—Band, "Tangled Tunes" (Ketelby).
9.40: Contralto solos—Miss Eileen Irwin, (a) "Homing" (Del Riego); (b) "Whatever Is, Is Best" (Lohr).
9.45: Humorous recital—Mr. Hiram Dunford, "The Alarm" (Anon.).
9.49: Fox-trot—Band, "Give Me a Night in June" (Friend).
9.54: Soprano and tenor duet—Miss Hilda Hutt and Mr. T. G. Rogers, "A Night in Venice" (Lacantoni).
9.58: March—Band, "Roland" (Allison).
God Save the King.

4YA, DUNEDIN (463 METRES), MONDAY, JUNE 11.

SILENT DAY.

Tuesday, June 12

1YA, AUCKLAND (333 METRES), TUESDAY, JUNE 12.

- 3 p.m.: Afternoon session—Selected studio items.
3.30: Lecturette on "Cooking by Electricity," by a representative of Messrs. Turnbull and Jones, Ltd.
3.45: Selected studio items.
4.0: Literary selection by the Announcer.
4.8: Selected studio items.
4.25: Sports results.
4.30: Close down.
6.0: Children's session, conducted by Uncle George. Pianoforte solo, Cousin Joyce, "To the Spring." Violin solo, Cousin Emma, "A Minuet" (Boccherini). Stories for tiny tots. Letters and birthdays. Pianoforte duet, Cousins Joyce and Lois, "Cavalry Parade." Violin solo, Cousin Emma, "Mazurka" (Wieniawski). Pianoforte solo, Cousin Lois, "Country Dance" (Beethoven). Story-time.
7.15: News and market reports.
8.0: Chimes.
8.1: Relay of orchestral overture from Majestic Theatre New Orchestra, under the conductorship of Mr. J. Whiteford Waugh.
8.10: Contralto solo—Madame Irene Ainsley, "L'Orgue" (Fabre).
8.14: Instrumental trio—Auckland Trio, "Andante and Scherzo" (Reisiger).
8.23: Baritone solo—Mr. Walter Brough, "Toreador's Song," from "Carmen" (Bizet).
8.27: Flute solo—Mr. John Lemmone, "Bolero" (Pressard).
8.32: Soprano solos—Mrs. J. Parry, (a) "Oh, to be in England" (Brahe); (b) "God's in His Heaven" (Brahe).
8.39: Relay of orchestral entracte from Majestic Theatre.
8.43: Lecturette—Mr. A. B. Chappell, M.A.; "Old New Zealand"—No. 13, "A Man-of-war Without Guns."
8.58: Weather forecast.
8.59: Piano and violin duet—Miss Ina Bosworth and Mr. C. Towsey, "Allegro Molto" (Grieg).

- 9.3: A presentation of "Merrie England" excerpts (German), produced under the direction of Madame Irene Ainsley.
The story of "Merrie England" is laid in the glorious days of Queen Elizabeth, who, together with those famous personages of her reign, the Earl of Essex and Sir Walter Raleigh, appear in the opera, the scene of which is laid in the heart of mediaeval England, by the Thames, near Windsor.

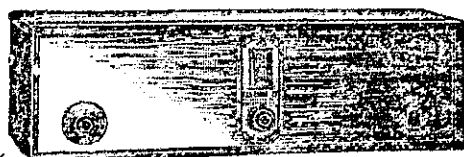
Cast.

Queen Elizabeth Madame Irene Ainsley
Jill-all-alone Madame Irene Ainsley
Bessie Mrs. J. Parry
Earl of Essex Mr. Walter Brough
Sir Walter Raleigh Mr. Robert Peter

"Love is Meant to Make Us Glad"—Quartet
"She Had a Letter"—Bessie.
"Yeomen of England"—Essex and chorus.
"Come to Arcady"—Raleigh and Bessie.
"O Peaceful England"—Queen Elizabeth.
"In England, Merry England"—Quartet.
"It is the Merry Month of May"—Elizabeth and Raleigh.
"The English Rose"—Raleigh.
"Who Shall Say?"—Bessie.
"Robin Hood's Wedding"—Finale.

- 9.43: Instrumental trio—Auckland Trio, "Henry VIII Dances" (German).
9.51: Contralto solo—Madame Irene Ainsley, "Out on the Rocks" (Dolby).
9.55: Flute solos—Mr. J. Lemmone, (a) "By the Brook" (Wetzger); (b) "The Nightingale" (Dorjon).
10.2: Tenor solo—Mr. Robert Peter, "Where'er You Walk" (Handel).
10.6: God Save the King.

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