

(September 4, 1926)

BIBLIOGRAPHY ON RADIO WAVE PHENOMENA AND MEASUREMENT
OF RADIO FIELD INTENSITIES.

These references are intended to be a fairly complete bibliography of this subject. It is requested that persons using it notify the Bureau of references to any articles that should be included and of any mistakes, if any are found, in the references. After some months a revised edition will be issued.

The reference numbers heading the sections are according to Circular 138, "A Decimal Classification of Radio Subjects - An Extension of the Dewey System," obtainable from the Superintendent of Documents, Government Printing Office, Washington, D.C., for ten cents a copy.

R112.1.-- Radiation.

Optimum wave length in radio telegraphy. A.H.Taylor. Physical Review, 1, pp.321-325; April, 1913. Sci.Abs.B, No.380, 1913.

Radiated and received energy in radio telegraphy. L.W.Austin. Proceedings of the American Philosophical Society, 52, p.407; May-aug., 1913. Sci.Abs.B, p.540; 1913.

The nature of electromagnetic radiation employed in radio telegraphy and mode of propagation. G.W.O.Howe. Electrician, 71, p.965; Sept.19, 1913.

The mechanism of radiation and propagation in radio communication. F. Lowenstein. Proceedings Institute of Radio Engineers, 4, pp.271-281; June, 1916.

On the wave length and radiation of loaded antennae. B. van der Pol, Jr. Proceedings Physical Society (London), 29, pp.269-289; 1916.

Principles of radio transmission and reception with antennae and coil aerials. J.H.Dellinger. B.S.Sci.Papers No.354. 1919.

R113.--Transmission Phenomena.

Hindering and assisting influences in wireless transmission. P. Schwartzhaupt. Elektrotechnische Zeitschrift, 31, pp.113-114; Feb.3, 1910. Elec. Engineering, 45, p.239; Feb.25, 1910. Sci. Abs.B, p.112; 1910.

Über einige Versuche mit Radiotelegraphie auf grosse Entfernung. L. W. Austin. Jahrbuch der drahtlosen Telegraphie, 5, p.75; 1913.

(1951) [unclear]

... and ... [unclear]

... [unclear]

... [unclear]

[unclear]

... [unclear]

... [unclear]

... [unclear]

... [unclear]

... [unclear]

... [unclear]

[unclear]

... [unclear]

... [unclear]

Local absorption in radio telegraphy. A.H.Taylor. Electrical World, 61, p.350; 1913.

Quantitative results in recent radio telegraphic tests between Arlington, Va. and U.S.S.Salem. J.V.L.Hogan. Electrical World, 61, pp.1361-1366; June 21, 1913.

A study of the propagation and interception of energy in wireless telegraphy. C.A.Culver. Physical Review, 3, p.282; 1914.

Quantitative experiments on radio telegraphic transmission. L.W.Austin. Jahrbuch der drahtlosen Telegraphie, 8, pp.575-594; August, 1914. Sci. Abs. B, No.236, 1914.

Propagation of waves. E. Thomson. General Electric Review, 18, May, 1915.

Long distance transmission. L. Cohen. Electrician, 76, p.743; February 25, 1916.

Strength of signals. E.W.Marchant. Electrician, 75, pp.267-270; May 28, 1915. Electrician, 75, pp.309-311; June 4, 1915. Sci.Abs. B, p.311; July 26, 1915.

Sustained wave receiving data. L.F.Fuller. Proceedings Institute Radio Engineers, 4, p.305; 1916.

Signaling range in radio telegraphy. J.V.L.Hogan. Electrical World, 66, p.1250; December 4, 1915. Electrician, 76, p.699, February 18, 1916.

Quantitative measurements at Washington on the signals from the German radio stations at Nauen and Eilvese. L.W.Austin. Journal Franklin Institute, 182, pp.605-611; November, 1916. Electrician, 78, pp.465-466; January 12, 1917. Sci.Abs.B, No.64, 1917.

The U.R.S.I. signals. Wireless World & Radio Review, 10, p.20; April, 1922.

Radiation measurements in wireless telegraphy. R. Mesny. L'Onde Electrique, 1, pp.54-61; January, 1922. Sci.Abs.B, No.558, April, 1922.

La propagation des ondes electromagnetiques a la surface de la terre. L. Bouthillon. Radioelectricité, 3, pp.289-294; July, 1922.

Application to radio of wire transmission engineering. L. Espenschied. Bell System Technical Journal, 1, pp.117-141; November, 1922. Proceedings Institute of Radio Engineers, 10, p.344; October, 1922.

On propagation phenomena and disturbances of reception in radio telegraphy. F. Kiebitz. Proceedings Institute of Radio Engineers, 12, pp.233-241; June, 1924.

1914

1. The first part of the report deals with the general situation of the country and the progress of the war.

2. The second part of the report deals with the military operations and the progress of the war.

3. The third part of the report deals with the political situation and the progress of the war.

4. The fourth part of the report deals with the economic situation and the progress of the war.

5. The fifth part of the report deals with the social situation and the progress of the war.

6. The sixth part of the report deals with the cultural situation and the progress of the war.

7. The seventh part of the report deals with the international situation and the progress of the war.

8. The eighth part of the report deals with the future of the country and the progress of the war.

The effect of the earth in the transmission of electromagnetic waves in radiotelegraphy. G.W.O.Howe. Electrician, 33, pp.148-149; August 8, 1924.

Distribution of radio waves from broadcasting stations over city districts. R.Bown and G.D.Gillett. Proceedings Institute of Radio Engineers, 12, pp.395-410; August, 1924.

Étude sur les irrégularités de propagation des ondes courtes. P. Lardry. L'Onde Électrique, 3, pp.449-466; September, and pp. 502-510; October, 1924.

Sur l'absorption des ondes courtes. J. Granier. L'Onde Électrique, 3, pp.572-582; December, 1924.

Recent investigations on the propagation of electromagnetic waves. M. Baeumler. Proceedings Institute of Radio Engineers, 13, pp.5-27; February, 1925.

Die Ausbreitung der elektromagnetischen Wellen in der Grosstadt. Elektrotechnische Zeitschrift, 46, pp.973-974; June 25, 1925.

On recent advances in wireless propagation both in theory and in practice. A.S.Eve. Journal Franklin Institute, 200, pp.327-333; September, 1925.

A statistical study of conditions affecting the distance range of radio telephone broadcasting stations. C.M.Jansky, JR. B.S. Technologic Papers No.297. 1925.

An investigation of transmission on the higher radio frequencies. A.H.Taylor. Proceedings Institute of Radio Engineers, 13, pp.677-683; December, 1925.

Distribution of wireless waves (how blind spots in broadcast transmission are produced). R.L.Smith-Rose. Wireless-World & Radio Review, 18, pp.401-405; March 17, 1926.

R113.1.-- Fading.

Wireless transmission phenomena. J. Williamson. Wireless World, 8, pp.868-869; March 19, 1921.

Wireless Phenomena (fading tests). Electrical Review, 88, p.654; March 20, 1921.

Radiotelegraphic signal fading phenomena. J.H.Dellinger and L.E. Whittemore. Journal Washington Academy of Sciences, 11, pp.245-259; June 4, 1921. Sci.Abs. B, No.924; Sept., 1921.

Fading. P.P.Eckersley. Wireless World & Radio Review, 12, pp.298-299; June 9, 1923.

1911

...

...

...

...

...

...

...

...

...

...

...

...

...

...

Letter Circular 207 -- 9/4/26 -- 4.

Fading. W.R.Burne and J.A.Cash. Wireless World & Radio Review, 12, pp.510-513; July 21, 1923.

A study of radio signal fading. J.H.Dellinger, D.E.Whittemore and S. Kruse. B.S.Sci.Papers No.476; 1923.

The fading of signals (fading on short waves). O.F.Brown. Experimental Wireless (London), 1, pp.9-11; October, 1923.

Some experiments on fading of signals. J.A.Cash. Experimental Wireless (London); 1, pp.132-135; December, 1923.

Short period variations in radio reception. G.W.Pickard. Proceedings Institute of Radio Engineers, 12, pp.119-158; April, 1924.

Fading measurements. E.A.Anson. Experimental Wireless (London), 2, pp.645-649; July, 1925.

Some recent observations on periodic fading and the night effect. P.D.Tyers. Experimental Wireless (London), 2, pp.650-654; July, 1925.

Investigation on fading of signals. S.R.Chapman. Experimental Wireless (London), 2, pp.775-779; September, 1925.

The nature, cause and reduction of fading. G.W.Pickard. Radio News, 7, pp.772-773; December, 1925. Modern Wireless, 5, pp.349-354; December, 1925.

Some studies in radio broadcast transmission. R.Bown, DeL.K. Martin and R.K.Potter. Proceedings Institute of Radio Engineers, 14, pp.57-131; February, 1926. Bell System Technical Jnl., 5, pp.143-213; January, 1926. Electrician, 96, pp.168-171; Feb.12, 1926.

The mystery of fading (some notes of observations taken on broadcast stations). O.Hall. Experimental Wireless (London), 3, pp.211-214; April, 1926.

R113.2.-- Daily Variations. Seasonal Variations.

Diurnal disturbances in earthed wireless telegraph systems. K.E.F.Schmidt. Electrician, 59, pp.19; April 19, 1907.

On certain phenomena accompanying the propagation of electric waves over the surface of the earth. W.H.Eccles. Electrician, 62, pp.1015-1019; 1912.

On the diurnal variations of the electric waves occurring in nature and on the propagation of electric waves round the bend of the earth. W.H.Eccles. Proceedings Royal Society, 87, p.79; August 13, 1912.

... the ... of ...

... the ... of ...

... the ... of ...

... the ... of ...

... the ... of ...

... the ... of ...

... the ... of ...

... the ... of ...

... the ... of ...

Difference in strength of day and night signals in radio-telegraphy. L.W.Austin. Journal Washington Academy of Sciences, 3, pp.326; June 4, 1913. Electrical Review and Western Electric, 62, p.1332; June 21, 1913. Sci. Abs. B, p.420; 1913.

Intensity measurement of radio telegraphic signals at different times of year and day. H. Mosler. Elektrotechnische Zeitschrift, 34, p.996; August 28, 1913. Electrician, 72, p.529; Jan.2, 1914.

The daylight effect in radiotelegraphy. A.E.Kennelly. Proceedings Institute of Radio Engineers, 1, pp.39-52; July, 1913. Sci.Abs.B, p.163; March 28, 1914.

Diurnal and annual variations in overland radio transmission. A.H.Taylor. Physical Review, 4, pp.435-439; November, 1914. Sci.Abs.B, p.78; 1915.

Conditions affecting the variations in strength of wireless signals. E.W.Marchant. Journal Institution of Electrical Engineers, 53, pp.329-348; March 1, 1915. Engineering, 99, pp.232-236; Feb. 19, 1915. Electrician, 74, pp.621-624; Feb.12, 1915. Sci.Abs. B, p.204; 1915.

Seasonal variation in strength of radiotelegraphic signals. L.W.Austin. Proceedings Institute of Radio Engineers, 3, pp.103-105; June, 1915. Sci.Abs. B, p.455; September 28, 1915.

Variations in nocturnal transmission. A.H.Taylor and A.S. Blatterman. Proceedings Institute of Radio Engineers, 4, p.131; April, 1916.

Experiments at the U.S.Naval Radio Station at Darien, Canal Zone. L.W.Austin. Proceedings Institute of Radio Engineers, 4, pp.251-269; 1916. Journal Washington Academy of Sciences, 6, pp.81; 1916. Jahrbuch der drahtlosen Telegraphie, 11, pp.125-132; 1916.

Quantitative measurements at Washington of the signals from the German radio stations at Nauen and Eilvese. Journal of the Franklin Institute, p.605; 1916.

Measurement of the electromagnetic field of waves received during transoceanic transmission. G. Vallauri. Proceedings Institute of Radio Engineers, 2, p.286; 1920.

Measurement of the signals received in Washington from the Lafayette station. L.W.Austin. Radio Review, 2, p.2; 1921.

Measurement of the intensity of the signals of the Lafayette station. L.W.Austin. Radio Review, 2, pp.301-303; June, 1921. Sci.Abs.B, No.486, August, 1921.

Über das gleichzeitige auftreten atmosphärischer Störungen. M. Baumler. Jahrbuch der drahtlosen Telegraphie, 19, pp.102-109; February, 1922.

Reception measurements at Naval Radio Research Laboratory. L.W.Austin. Proceedings Institute of Radio Engineers, 10, pp.158-160; June, 1922.

The monthly averages of signal strength of Nauen in Washington 1915-1921 and the monthly averages of atmospheric disturbances in Washington 1918-1921. L.W.Austin. Proceedings Institute of Radio Engineers, 10, pp.153-157; June, 1922.

Observations on Lafayette and Nauen stations in Washington, March 1, 1922 to February 28, 1923. L.W.Austin. Proceedings Institute of Radio Engineers, 11, pp.439-465; October, 1923.

Receiving measurements and atmospheric disturbances at the Bureau of Standards for
March and April, 1922. Proceedings Institute of Radio Engineers, 10, p.315; 1922.
May and June, 1922. Proceedings Institute of Radio Engineers, 10, p.421; 1922.
September and October, 1922. Proceedings Institute of Radio Engineers, 10, p.3;
November and December, 1922. Proceedings Institute of Radio Engineers, 11, p.23;
January and February, 1923. Proceedings Institute of Radio Engineers, 11, p.187;
March and April, 1923. Proceedings Institute of Radio Engineers, 11, p.333;
May and June, 1923. Proceedings Institute of Radio Engineers, 11, p.579;
July and August, 1923. Proceedings Institute of Radio Engineers, 12, p.3;
September and October, 1923. Proceedings Institute of Radio Engineers, 12, p.113;
November and December, 1923. Proceedings Institute of Radio Engineers, 12, p.227;

Diagrammes des forces electromotrices mesurées a Meudon pour les émissions de Bordeaux, Nantes et Rome. M.R.Mesny. L'Onde Électrique, 2, pp.296-299; May; pp.593-601, October, 1923; 3, pp.43-46; January; pp.374-375; July, 1924.

Long distance radio receiving measurements at the Bureau of Standards in 1923. L.W.Austin. Proceedings Institute of Radio Engineers, 12, pp.383-394; August, 1924.

Field intensity measurements in Washington on the Radio Corporation stations at New Brunswick and Tuckerton, N.J. L.W.Austin. Proceedings Institute of Radio Engineers, 12, pp.681-692; December, 1924.

Diagrammes des forces electromotrices mesurées a Meudon pour les émissions de Bordeaux et Nantes pendant le premier, 2^e et 3^e trimestre 1924. L'Onde Électrique, 3, pp.374-375; July; pp.551-553; November; pp.593-601, December, 1924.

Signal strength measurements. A report on some experiments made over great distances during 1922 and 1923 by an expedition sent to Australia. H.J.Round, T.L.Eckersley, K. Tremellen and F.C.Lunnon. Electrician, 34, pp.538-539; May 8, 1925.

Some trans-Pacific radio field intensity measurements. L.W. Austin. Proceedings Institute of Radio Engineers, 13, pp.151-157; April, 1925. Jnl. Washington Academy of Sciences, 15, p.139; 1925.

Long distance radio receiving measurements in 1924. L.W.Austin. Proceedings Institute of Radio Engineers, 13, pp.283-290; June, 1925. Journal Washington Academy of Sciences, 15, No.11, 1925.

Diagrammes des chamos electriques mesurés à Meudon. L'Onde Électrique, 4, pp.252-255, June; pp.350-352, August; pp.555-557, December, 1925.

Short wave observations (effect of wave length on daily variations of signal strength). R.W.P.Collings. Wireless World & Radio Review, 18, pp.127-128; January 27, 1926.

Transatlantic radio telephone transmission. Espenschied, Anderson and Bailey. Proceedings Institute of Radio Engineers, 14, p.7; February, 1926.

Sur la propagation des ondes courtes émises à bord du "Jacques Cartier". Decambre and Bureau. L'Onde Électrique, 5, pp.53-71; February, 1926.

Diagramme de champs electriques mesurés à Meudon pendant le troisième trimestre 1925. L'Onde Électrique, 5, pp.186-187; Avril, 1926.

Diagramme des champs electriques mesurés à Meudon pendant le quatrième trimestre 1925. L'Onde Électrique, 5, pp.223-226; May, 1926.

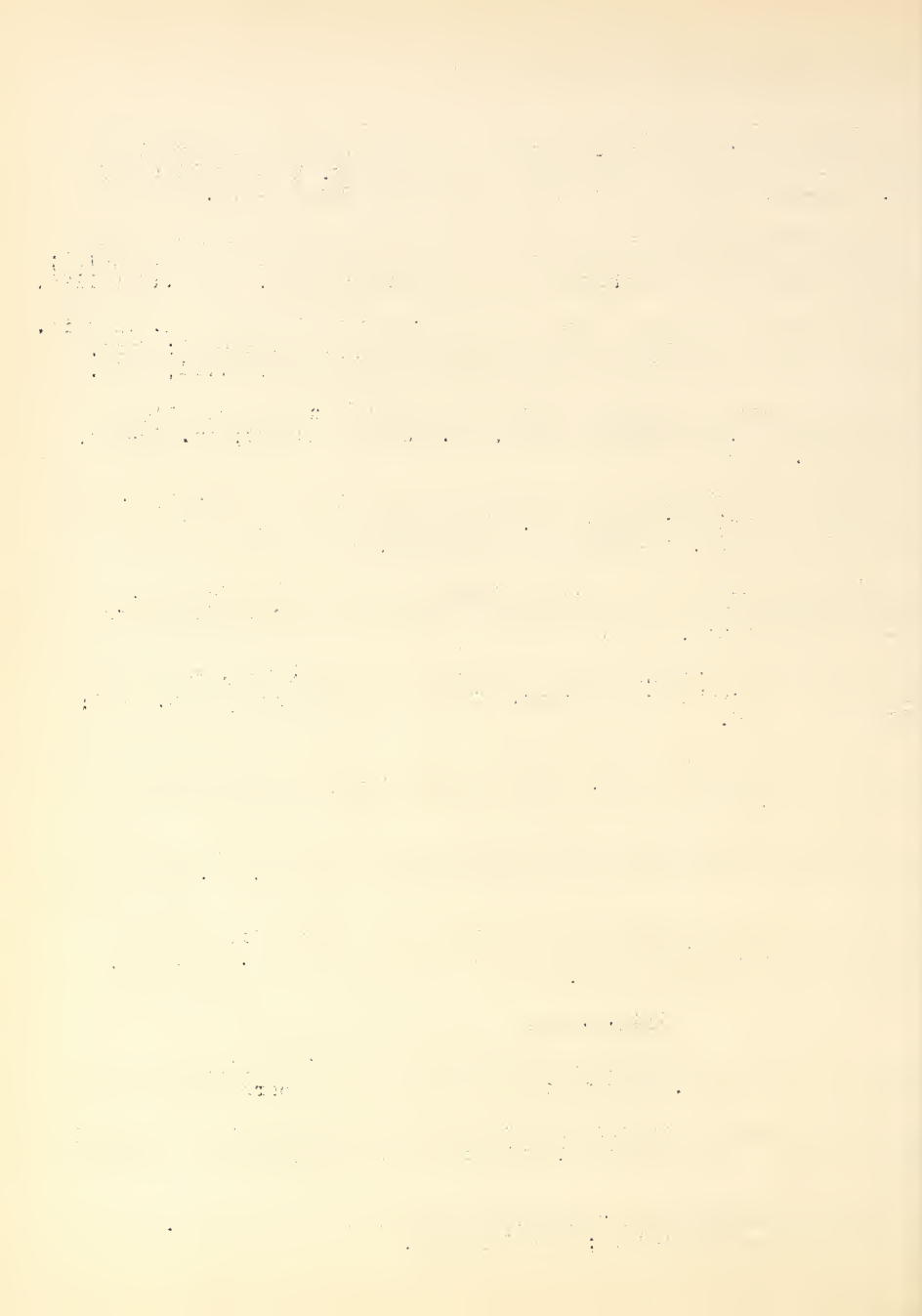
On the diurnal variation of ultra-short wave wireless transmission. E.V.Appleton. Proceedings Cambridge Phil. Soc., 23, part 2, p.155; April, 1926.

R113.3.--Directional Variations.

Variation in direction of propagation of long electromagnetic waves. A.H.Taylor. Bureau of Standards Sci. Papers No.353, 1913.

Radio direction changes and variations in audibility. C.Kinsley and A. Sobey. Proceedings Institute of Radio Engineers, 3, p.299; August, 1920.

Radio-sonometric and atmospheric influences. E. Rothe. Comptes Rendus, 172, pp.1345-1347; May 30, 1921.



Letter Circular 207 -- 9/4/26 -- 8.

Directional measurement with the Royal Air Force. J. Hollingsworth. Radio Review, 2, pp.282-301; June, 1921. Sci.Abs. B, 24, No.844; May, 1921.

Effect of the Heaviside layer upon the errors of direction finders. T.L. Eckersley. Radio Review, 2, pp.60-65, February; pp. 231-248, May, 1921. Sci.Abs. B, 24, No.749, July, 1921.

Variation en direction et en intensité du champ électromagnétique d'une émission. R.Mesny. L'Onde Électrique, 1, pp.501-517; September, 1922.

Variation en direction et en intensité du champ électromagnétique d'une émission. L'Onde Électrique, 1, pp.577-587; October, 1922.

The direction and intensity of waves from European radiotelegraphic stations. G.W.Pickard. Proceedings Institute of Radio Engineers, 10, pp.161-175; June, 1922. Sci.Abs. B, No. 1067, Oct., 1922.

On the determination of the direction of the forces in wireless waves at the earth's surface. R.L.Smith-Rose and R.H.Barfield. Proceedings Royal Society (London), 107, pp.587-601; March 2, 1925.

A new phenomena in sunset direction variations. L.W.Austin. Proceedings Institute of Radio Engineers, 13, pp.409-412; August, 1925. Journal Washington Academy of Sciences, 15, 1925.

Discussion on "A new phenomena in sunset radio direction variations." R.L.Smith-Rose and R.H.Barfield. Proceedings Institute of Radio Engineers, 13, pp.781-783; December, 1925.

A suggestion for experiments on apparent radio direction variations. L. W. Austin. Proceedings Institute of Radio Engineers, 13, p.3; February, 1925.

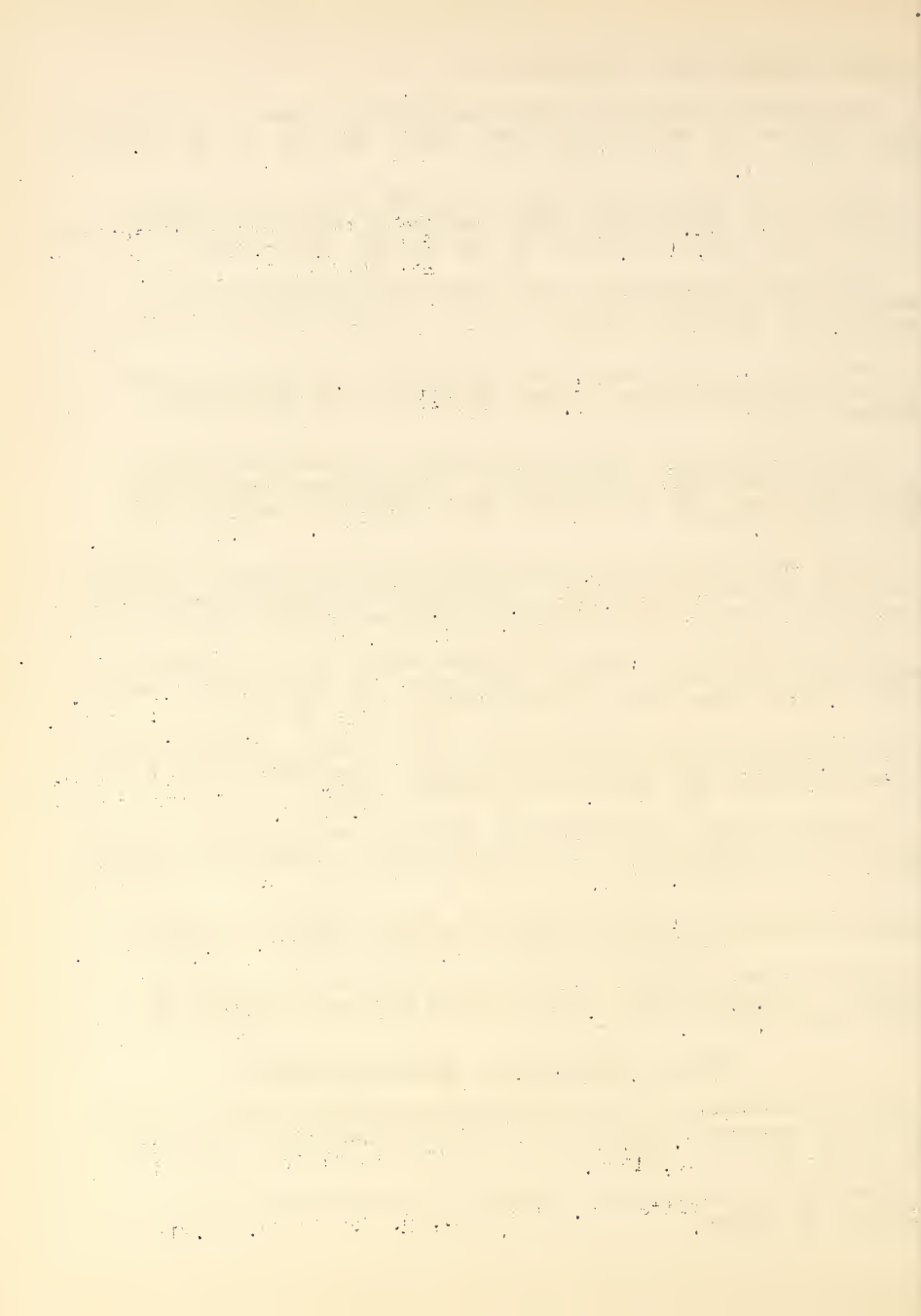
Direction and intensity changes of radio waves. C.C.Bidwell. Journal Franklin Institute, 201, pp.107-112; January, 1926.

The cause and elimination of night errors in radio direction finding. R.L.Smith-Rose. Experimental Wireless (London), 3, p.367; June, 1926.

R113.4. Ionization. Heaviside Layer.

On the elevation of the electrically-conducting strata of the earth's atmosphere. A.E.Kennelly. Electrical World & Engineer, 39, p.473; March 15, 1902.

Encyclopedia Britannica. 10th Ed., 9, Heaviside. p.215; December 19, 1902.



Effect of ionization of air on electrical oscillations and its bearing on long distance wireless telegraphy. E.H.Barton and W.B.Kelby. Philosophical Magazine, 26, pp.567-578; October, 1923. Sci.Abs.A, No.329, 1914.

Atmospheric ionization and transmission. H.Nagaoka. Proceedings Mathematical Physical Society Tokyo, 7, pp.428 and 430; 1914.

The propagation of electric waves at the surface of the earth and the ionized layer of atmospherics (explains sunset-sunrise and eclipse effects). H.Nagaoka. Electrician, 77, p.741; February 25, 1916.

Die Heaviside Schicht. E.W.Marchant. Jahrbuch der drahtlosen Telegraphie, 12, pp.56-61; June, 1917. Proceedings Institute of Radio Engineers, 4, pp.511-521; 1916.

Die Fortpflanzung elektrischer Wellen auf der Oberfläche der Erde und die ionisierte Schicht der Atmosphäre. H. Nagaoka. Jahrbuch der drahtlosen Telegraphie, 12, pp.35-45; June, 1917.

Sur le theorie du development de Heaviside. J.B.Pomey. Revue Generale de l'Electricité, 4, p.693; November 9, 1918.

Über die Ursache der Zunahme der Ionisation der Atmosphäre mit der Höhe. A. Cockel. Physikalische Zeitschrift, 19, p.114; 1918.

Über die Ursache der Ionisation der Atmosphäre. J.A.Fleming. Jahrbuch der drahtlosen Telegraphie, 8, p.339, 1914; 12, p.175, 1918.

Electrical phenomena in the upper atmosphere. S.Chapman. Scientific American Supplement, 88, p.199; September 27, 1919.

An ion-producing effect in the upper atmosphere. W. Hammer. Physikalische Zeitschrift, 21, pp.218-219; April 15, 1920. Radio Review, 1, p.563; August, 1920.

The upper atmosphere and radio telegraphy. G.W.O.Howe. Radio Review, 1, pp.381-383; May, 1920.

The effect of the Heaviside layer on the apparent direction of electromagnetic waves. T.L.Eckersley. Radio Review, 2, p.234; 1921.

Berechnung von integral effekten mittels der Heaviside-regel. K.H.Warfvinge. Archiv für Elektrotechnik, 10, pp.374-376; January 28, 1922.

Spannungsgefalle und vertikaler leitungsstrom in der freien atmosphäre nach messungen bei hochfahrten im freiballon. E. Everling and A. Wiegand. Annalen der Physik, 86, pp.261-282; 1921. Telegraphen und Fernsprechtechnik, 11, p.15; April, 1922.

The Heaviside layer (editorial). G.W.O.Howe. Electrician, 89, pp.240-261; September 8, 1922.

The ionized strata. H. deA. Donisthorpe. Wireless Age, 10, p.61; June, 1923.

The overworked Heaviside layer problem and a possible alternative. G.W.O.Howe. Electrician, 92, p.720; June 13, 1924.

The Heaviside layer and how it may be produced. O.F.Brown. Experimental Wireless (London), 1, pp.595-597; July, 1924.

A radio method of estimating the height of the conducting layer. G.Breit and M.A.Tube. Nature, 116, p.357; September 5, 1925.

Local reflections of wireless waves from the upper atmosphere. E.V.Apoletton and M.A.F.Barnett. Nature, 115, p.333; 1925.

The Kennelly-Heaviside layer and radio wave propagation. E.O.Hulburt. Journal Franklin Institute, 201, p.537; May, 1926.

R113.5. Meteorological.

Climate as a controlling factor in long distance transmission of electrical energy. A.G.McAdie. Monthly Weather Review, 25, p.439; October, 1897.

Radiotelegraphic experiments made during the transit of Halley's comet. Deutsche Verkehrs-Zeitung, 34, p.256; 1910. Elektrotechnische Zeitschrift, 31, p.644; June 23, 1910. Sci.Abs. B, p.304; 1910.

Einfluss der Atmosphäre auf Sender und Empfänger. A.Esau. Physikalische Zeitschrift, 13, p.721; 1912.

Effects of sunlight on transmission of wireless signals. B.L.Dolbear and J.A.Proctor. Electrical World, 58, p.321; August 5, 1911. Sci.Abs. B, p.86, 1912.

Effects of sunlight and mountains on radio telegraphy. P.Schwartz-Haupt. Elektrotechnische Zeitschrift, 32, p.1313; December 28, 1911. Sci.Abs.B, p.85; 1912.

Influence on the sun's rays on the propagation of Hertzian waves. E. Rothe. Comptes Rendus, 154, p.1454; May 28, 1912. Sci.Abs.B, p.470; 1912.

Effect of the moon on wireless signals. A.M.Curtis. Electrician, 70, pp.1104-1105; March 21; 71, p.143, May 3, 1913. Sci.Abs.B, p.332, 1913. Sci.Abs.B, p.382, 1913.

Radio transmission and weather (correlation of cloud areas shown on weather maps with good transmission). A.H.Taylor. Electrical World, 62, pp.425-427; August 30, 1913. Physical Review, 3, p.346; May, 1914.

1910

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

Influence of the state of atmosphere on transmission and reception of Hertzian waves. E. Rothe and R. Clarte. Comptes Rendus, 158, pp.699-702; March 9, 1914. Sci.Abs.B, p.339; June, 1914.

Effect of atmospheric conditions on the strength of signals received at Liverpool from Paris and some other places, together with an account of the diurnal variation in the energy received. British Assoc. Report, p.607; 1914.

The effect of water vapour in the atmosphere on the propagation of electromagnetic waves. Jahrbuch der drahtlosen Telegraphie, 12, p.184; August, 1917.

Der Einfluss geophysikalischer und meteorologischer Faktoren auf die drahtlose Telegraphie. Paul Ludewig. Jahrbuch der drahtlosen Telegraphie, 12, pp.122-155; August, 1917.

The aurora of March 22-25, 1920 and associated display. Its effect on radio signaling. C.F.Brooks and H.Lyman. Monthly Weather Rev., 48, pp.379-392; July, 1920.

Detection of storms and their travel by radio equipment. C.N.Keyser. Radio Review, 2, p.105; February, 1921. Weather Review, 48, pp.263-264; May, 1920.

Forecasting thunderstorms by means of static electricity. F.W.Reichelderfer. Monthly Weather Review, 49, p.152; March, 1921.

Aurora Borealis of the night May 14-15, 1921 and simultaneous magnetic phenomena. M. Bernard Lyst. Comptes Rendus, 172, pp. 1230-1231; May 17, 1921. Sci.Abs.A, No.1699, October, 1921.

Relation between the propagation of electromagnetic waves and conditions of the atmosphere. S. Viedenhoff. Jahrbuch der drahtlosen Telegraphie, 18, pp.242-260; October, 1921. Electrical World, 78, p.1336; December 31, 1921.

Effects of aurora on telegraphs, telephones and wireless. A. Gibbs. Post Office Electrical Engineers Journal (London), 15, pp.39-42; April, 1922.

Atmospheric conditions and electric waves. K. Stoye. Jahrbuch der drahtlosen Telegraphie, 19, pp.58-72; January, 1922. Sci.Abs. B, No.660, May, 1922.

Effects of aurora on telegraphs, telephones and wireless in New Zealand. A. Gibbs. Telegraph and Telephone Age, 40, pp.248-249. June, 1922.

Influence of meteorological factors on wireless telegraphy. P. Ludewig. Elektrotechnik und Maschinenbau, 32, pp.181-187; March 1; pp.209-214, March 8, 1924.

A l'aurora de la radioelectricité. M. Adam. Radioelectricité, 5, pp.150-153; March 25, 1924.

...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...

Letter Circular 207 -- 9/4/26 -- 12.

Portée des ondes; action de L'atmosphère. J. Guinchant. L'Onde Électrique, 3, pp.445-448; September, 1924.

Air temperature and intensity of radio signals. L.W.Austin. Monthly Weather Review, 52, p.590; December, 1924.

Do weather conditions influence radio? E.Van Cleef. Radio Broadcast, 7, pp.90-94; May, 1925.

Wireless, the moon and the barometer. W.J.Turberville-Crewe. Experimental Wireless (London), 2, pp.901; November, 1925.

Can we forecast radio reception by the weather? J.C.Jensen. Radio Broadcast, 8, pp.558-562; March, 1926.

Rll3.6.-- Reflection, Refraction, Diffraction.

The bending of electric waves round a conducting obstacle (diffraction). H.M.MacDonald. Proceedings Royal Society, 71A, pp.251-253; 1903.

Reflection and refraction by ionization. R.A.Fessenden. Nature, 76, p.444; 1907.

Bending of waves. Poincare. Jahrbuch der drahtlosen Telegraphie, 3, p.445; 1909-1910. Comptes Rendus, 149, p.621; 1909. Schaeffer. Jahrbuch der drahtlosen Telegraphie, 3, p.183; 1909-1910. Nicholson. Phil.Mag., 19, p.516, 1910; 20, p.157; 1910. MacDonald. Phil. Trans., A210, p.113; 1910. Sommerfeld. Annalen der Physik, 1903.

Bending of electric waves round the earth. J.W.Nicholson. Phil. Magazine, 19, pp.276-278; February, 1910. Sci.Abs.A, No.430; 1910.

Über die Beugung elektrische Wellen um die Erdkugel. J.W. Nicholson. Jahrbuch der drahtlosen Telegraphie, 4, p.20; 1910.

On the bending of electric waves round a large sphere (diffraction). J.W.Nicholson. Phil. Magazine, 22, pp.62-68; 1911.

Atmospheric refraction in wireless telegraphy. W.H.Eccles. Electrician, p.969; September 19, 1913.

Transmission of electromagnetic waves through and around the earth. G.W.O.Howe. Electrician, 72, p.484; December 26, 1913.

Über die Brechung der elektrischen Wellen in der Atmosphäre. F.Kiebitz. Jahrbuch der drahtlosen Telegraphie, 7, p.154; 1913.

Reflection and refraction of waves. W.Eccles. Electrician, September 27, 1912 and September 19, 1913.

1911

1912

1913

1914

1915

1916

1917

1918

1919

1920

1921

1922

1923

1924

1925

1926

1927

1928

Atmospheric refraction and its bearing on the transmission of electromagnetic waves around the earth's surface. Proceedings Physical Society of London, 26, p.318; 1914.

Effect of the earth's curvature on wireless telegraphy. A. Sommerfeld. Jahrbuch der drahtlosen Telegraphie, 12, pp.2-15; June, 1917. Sci. Abs. A, No.1171, October 3, 1917.

Diffraction of electromagnetic waves. M. Sjoström. Jahrbuch der drahtlosen Telegraphie, 14, pp.171-180; July, 1919.

Diffraction of electric waves. G.N.Watson. Radio Review, 1, p.39; October, 1919.

Diffraction of electric waves by the earth. G.N.Watson. Royal Society Proceedings, 35, pp.83-93; October 7, 1918. Sci.Abs.A, No.206, 1919.

Refraction of electric waves. T.L.Eckersley. Radio Review, 1, pp.421-428; June, 1920. Jahrbuch der drahtlosen Telegraphie, 18, pp.363-378; November, 1921.

The propagation of radio waves. J. Hollingworth. Journal Institution of Electrical Engineers (London), 61, pp.501 and 537; 1923; pp.573-583, May, 1926.

Geophysical influence on the transmission of wireless waves (reflection). Proceedings Physical Society (London), 37, part 2, p.17D; February 15, 1925.

On some direct evidence for downward atmospheric reflection of electric rays. E.V.Aopleton and M.A.F.Barnett. Proceedings Royal Society A, 103, pp.621-641; 1925.

An investigation of wireless waves arriving from the upper atmosphere. R.L.Smith-Rose and R.H.Barfield. Proceedings Royal Society A, 110, 1926.

R113.7. Transmission, Theories, Formulas, Range.

Über die Ausbreitung der Wellen in der drahtlosen Telegraphie. A. Sommerfeld. Annalen der Physik, 28, p.665; 1909.

The propagation of waves in wireless telegraphy taking into consideration the nature of the ground. Jahrbuch der drahtlosen Telegraphie, 4, pp.176-187; December, 1910.

Propagation of waves in wireless telegraphy. A. Sommerfeld. Jahrbuch der drahtlosen Telegraphie, 4, p.157; December, 1910. Sci.Abs. B, No.462, 1911.

Some quantitative experiments in long distance radio telegraphy. L.W.Austin. Bureau of Standards Scientific Paper 153, 1911. Reprint S226.

Faint, illegible text covering the page, possibly bleed-through from the reverse side.

Letter Circular 207 -- 9/4/26 -- 14.

Theorie der gleichzeitigen Messungen von Sende und Empfangstrom. H. Barkhausen. Jahrbuch der drahtlosen Telegraphie, 5, p.261; 1912.

Über gewisse die Fortpflanzung elektrische Wellen über die Oberfläche des Erdballs begleitende Erscheinungen. W.H.Eccles. Jahrbuch der drahtlosen Telegraphie, 7, p.191; 1913.

Eccles' theory of wireless telegraphy. H. Parodi. Lum. Elec., 25, pp.449-453; April 4, 1914. Sci.Abs. B, p.286, 1914. Sci. Abs.A, No.103, 1913. Sci.Abs. A, No.1871, 1913.

The propagation of electromagnetic waves in wireless telegraphy. G. R. Dean. Electrician, 73, p.13 and 836, April 10 and Sept. 11, 1914.

Die Ausbreitung der Elektromagnetischen Wellen in der drahtlosen Telegraphie. H. Barkhausen. Elektrotechnische Zeitschrift, 35, p.448; 1914.

Transmission of electric waves over the surface of the earth. A.E.H.Love and F.R.S.Sedleian. Trans. Royal Society, 215, (Ser.A), 1915. Also No.526, pp.105-131.

Transmission of electric waves. A.E.H.Love. Trans. Royal Society, 91, p.219; March 1, 1915.

Sur l'application de la formule d'Austin-Cohen a la resolution de quelques problemes importante de la technique des radio communications. L. Bouthillon. Revue Generale d'Electricité, 3, pp.419-424; March 23, 1918.

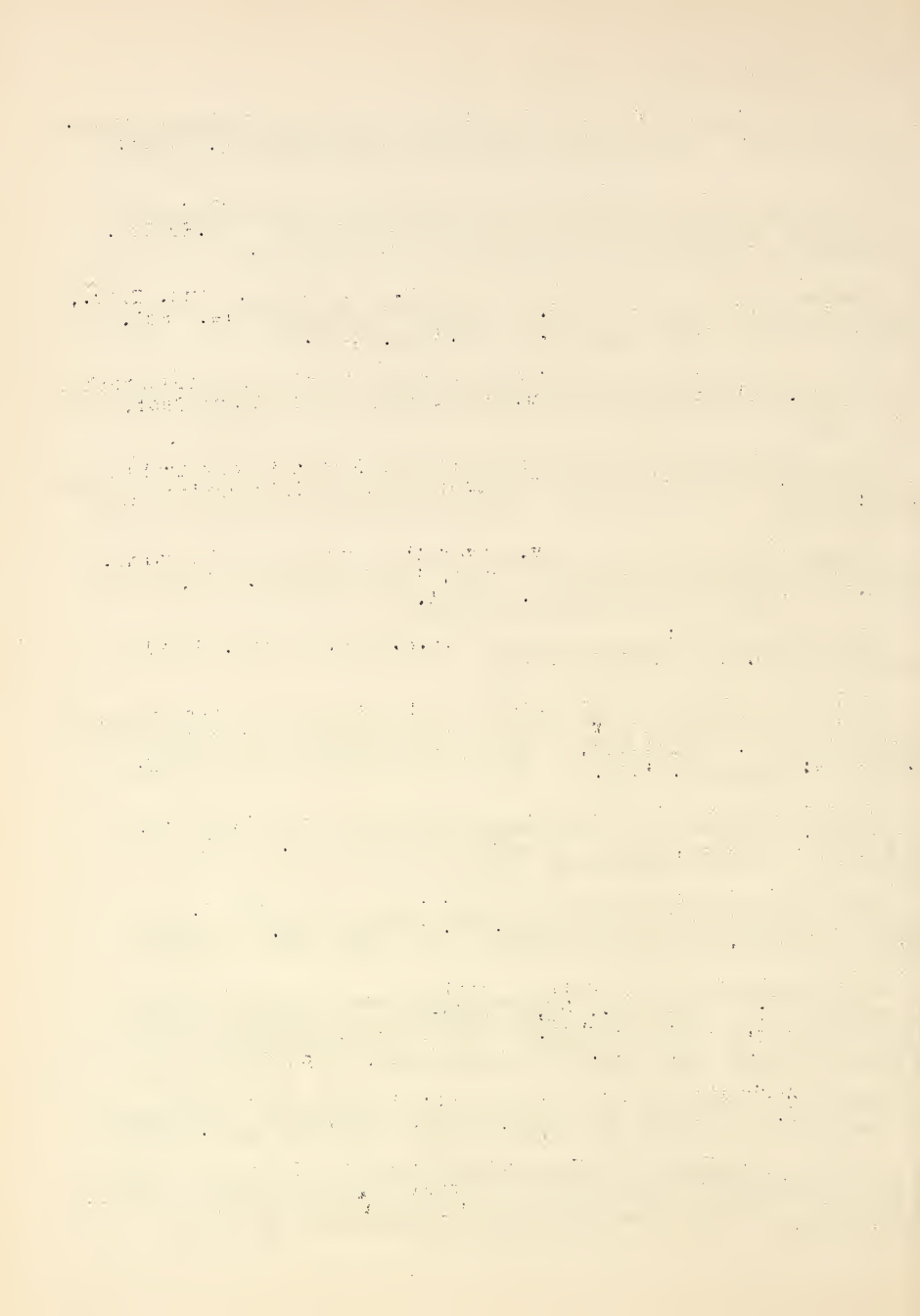
The transmission of electromagnetic waves around the earth: G.W.O.Howe. Radio Review, 1, p.78; November, 1919. Tech. Review, 5, p.138; November 25, 1919.

The transmission of electric waves round the earth. G.N. Watson. Proceedings Royal Society, 95, p.546, 1919. Nature, 102, p.517; 1919.

On the propagation of electromagnetic waves round the earth. B. van der Pol. Phil. Mag., 38, pp.365-380; September, 1919. Radio Review, 1, p.98; November, 1919. Proceedings Royal Society, 95A, pp.546-563, July, 1919. Wireless World, 7, p.502; Dec., 1919.

Über die Ausbreitung der Wellen in der drahtlosen Telegraphie. A. Sommerfeld. Annalen der Physik, 367, pp.35-36; May 20, 1920.

Über die Anwendung der Austin-Cohen Formel zur Lösung einiger wichtiger Probleme in der Technik des radiotelegraphischen Verkehr. Franz Tank. Jahrbuch der drahtlosen Telegraphie, 16, p.114; August, 1920.



On the propagation of electromagnetic waves around the earth. B. van der Pol. Phil. Mag., 40, p.163; July, 1920. Radio Review, 1, p.725; November, 1920.

The transmission of electromagnetic waves about the earth. J.Erskine-Murray. Radio Review, 1, p.237; 1920. Wireless World, 7, p.651; 1920.

Transmission formulas. G.W.O.Howe. Radio Review, 1, p.598; September, 1920. Elektrotechnische Zeitschrift, 42, p.313; March 31, 1921.

Discussion on "Long distance wireless transmission." H.J.Round and F.C.Lunnon. Journal Institution Electrical Engineers (London), 59, p.685; 1921.

Note sur le choix de la longueur d'onde la plus efficace selon la formula de Austin. G. Zappuli. Radioelectricité, 3, pp.20-21; January, 1922.

Long distance radio communication. L.W.Austin. Journal Franklin Institute, 193, pp.437-460; April, 1922. Sci.Abs. B, No. 737, June, 1922.

Drahtloser Verkehr uber grosse Entfernungen. L.W.Austin. Jahrbuch der drahtlosen Telegraphie, 20, pp.372-386; Nov., 1922.

Exposé critique des theories de la propagation. L. Bouthillon. L'Onde Électrique, 2, pp.274-289, May; pp.345-359, June, 1923.

État actuel des formules sur la propagation des ondes. L.W. Austin. L'Onde Electricque, 2, pp.504-507; September, 1923.

Notes on wireless matters -- a new theory of long distance radiocommunication. G.W.O.Howe. Electrician, 93, pp.282-283; September 12, 1924.

Spreading of electric waves above the earth. A. Meissner. Jahrbuch der drahtlosen Telegraphie, 24, pp.85-92; 1924. Abstracted in Zeitschrift Technische Physikalische, pp.485-488; 1924.

Why wireless electric rays can bend round the earth. Joseph Larmor. Phil. Mag., 48, pp.1025-1036; December, 1924.

Joseph Larmor's theory: why wireless electric rays can bend round the earth. G.W.deTunzelman. Electrician, 94, pp.30-31; January 9, 1925.

Wireless wave propagation. E.V.Appleton and M.A.F.Barnett. Electrician, 94, p.398; April 3, 1925.

Propagation of electric waves over the earth. H.W.Nichols and J.O.Schelleng. Bell System Tech. Journal, 4, pp.215-234; April, 1925.

1918

... ..
... ..
... ..

... ..
... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

Radio propagation. G.W.deTunzelman. Electrician, 35, pp.56-57; July 17, 1925.

Transmission of electric waves around the earth's surface. H.M.MacDonald. Proc. Royal Society, 32, p.493; August 1, 1916. Proc. Royal Society, A 90, pp.50-60; April, 1914. Proc. Royal Society, 98, pp.216-222; Dec. 20, 1920. Sci.Abs.A, No. 1601, September, 1922. Proc. Royal Society, 78, pp.403-411; March 3, 1921. Sci.Abs. A, No.1602, September, 1921. Proc. Royal Society, 108, pp.52-76; May, 1925. Sci.Abs. B, No.1340, September, 1925.

A new theory of wave transmission. E.F.W.Alexanderson. Popular Radio, 9, pp.207-212; March, 1926. Radio (Canada), 9, pp.17-18; August, 1926. Radio News, 7, pp.410-411; Oct., 1925.

The propagation of radio waves over the earth. A.H.Taylor and E.O.Hulburt. Physical Review, 27, pp.189-215; February, 1926.

The propagation of radio waves. J. Hollingworth. Experimental Wireless (London), 3, pp.178-181; March, 1926. Electrician, 96, p.291; March 12, 1926.

A propos de la theorie de la propagation des ondes electriques et des recentes mesures URSI. M.A.Turpain. L'Onde Électrique, 5, pp.181-185; April, 1926.

Versuche uber die Ausbreitung der elektromagnetischen Wellen (propagation of waves). M. Bauemler and J. Zenneck. Elekt. Nachrichten Technik, 3, pp.139-141; April, 1926.

The propagation of radio waves. J. Hollingworth. Journal Inst. Electrical Engineers (London), 64, pp.579-595; May, 1926.

Preliminary note on proposed changes in the constants of the Austin-Cohen transmission formula. L. W. Austin. Proceedings Institute of Radio Engineers, 14, pp.377-380; June, 1926.

Über die Fortpflanzung elektromagnetischer Wellen. G.J. Elias. Jahrbuch der drahtlosen Telegraphie, 27, pp.66-73; 1926.

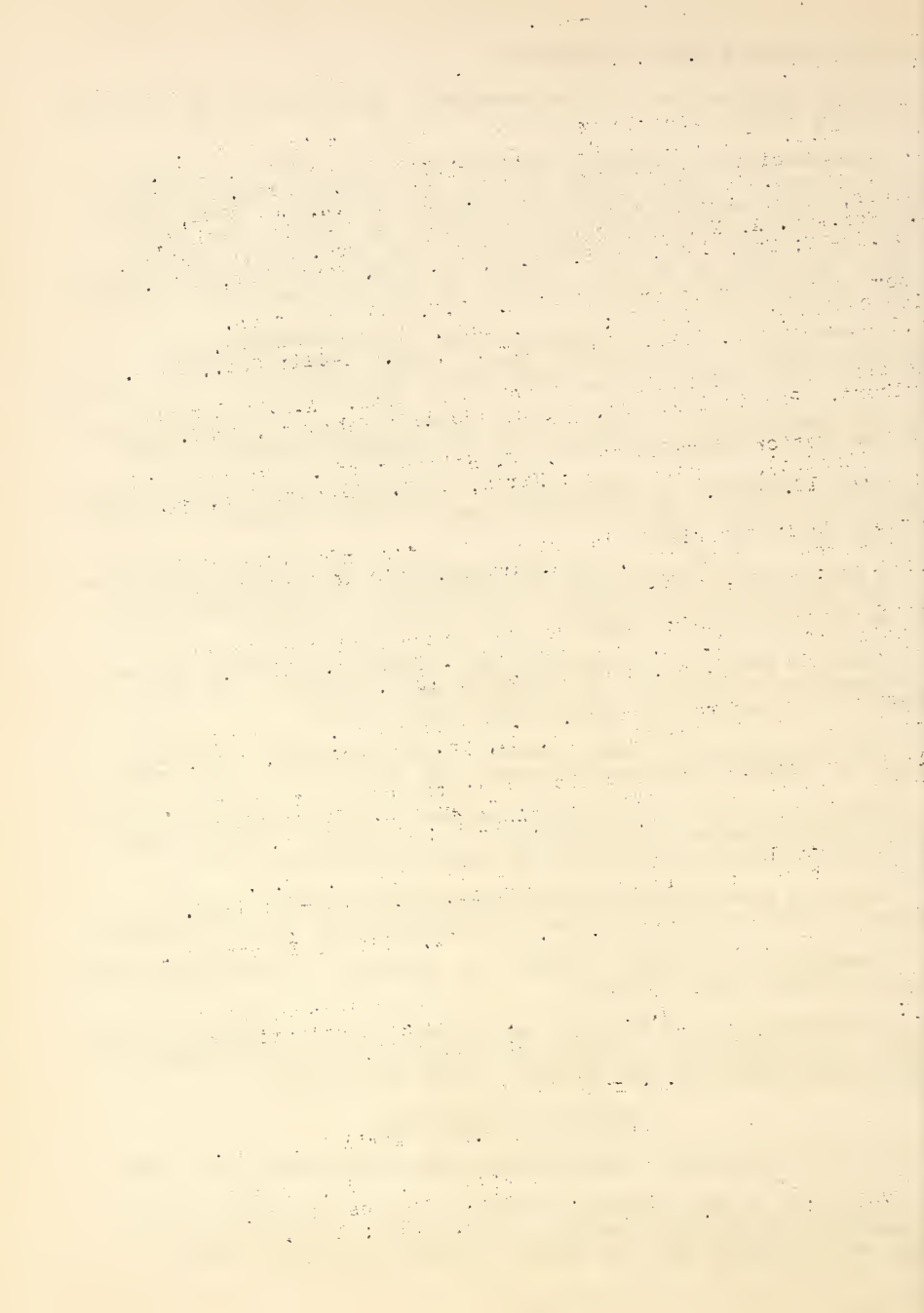
Transmission en ondes courtes. H. Chireix. L'Onde Électrique, 5, pp.237-262; June, 1926.

The attenuation of wireless waves due to the resistance of the earth. R.L.Smith-Rose and R.H.Barfield. Journal Institution of Electrical Engineers, 64, No.355, p.266; July 1926.

R113.8. -- Eclipses.

Effect of eclipses. Electrician, 62, p.109; April 26, 1912.

Influence of the eclipse of the sun, April 17, 1912, on the propagation of electric waves. M.A.Turpain. Comptes Rendus, 154, pp.1457-1461; May 28, 1912. Sci.Abs. B, p.395; 1912.



Influence of solar eclipse on propagation of Hertzian waves. A. Boutaric and G. Meslin. Comptes Rendus, 154, pp.1746-1747; June 17, 1912. Sci.Abs. B, p.471; 1912.

Reception of radiotelegraphic signals from the Eiffel Tower during the solar eclipse. M. Flajolet. Comptes Rendus, 154, p.1468; June 3, 1912. Sci.Abs.B, p.472; 1912.

Wireless telegraphy and the eclipse of the sun April, 1912. F. Kiebitz. Physikalische Zeitschrift, 13, pp.890-892; September 15, 1912. Jahrbuch der drahtlosen Telegraphie, 6, pp.151-153; 1912. Sci. Abs. B, p.48; 1913.

Wireless telegraphy measurements at Marburg and Grez during the recent eclipse of the sun. E.Take and M. Vos. Deutsch. Phys. Gesell. Verh., 14, 18, pp.837-843; September 30, 1912. Sci.Abs. B, 16, No.101; 1913.

Proposed investigation of effect of eclipse. Physical Review, 3, p.479; June, 1914.

Wireless telegraphy and solar eclipse. J.A.Fleming. Nature, 102, p.405; January 23, 1919.

Radiotelegraphy and the solar eclipse. Engineering, 107, p.614; May 9, 1919.

Radiotelegraphic investigations in connection with the solar eclipse on May 29, 1919. British Assoc. Committee. Sir Oliver Lodge, Chairman. Electrician, 82, pp.551-552; May 9, 1919.

Über radioelektrische Versuche während der Sonnenfinsternis am 29 Mai 1919. Jahrbuch der drahtlosen Telegraphie, 14, pp.293-300; August, 1919.

Wireless telegraphy and the solar eclipse of May 28th. Revue Generale d'Electricité, 6, p.55B, September, 1919.

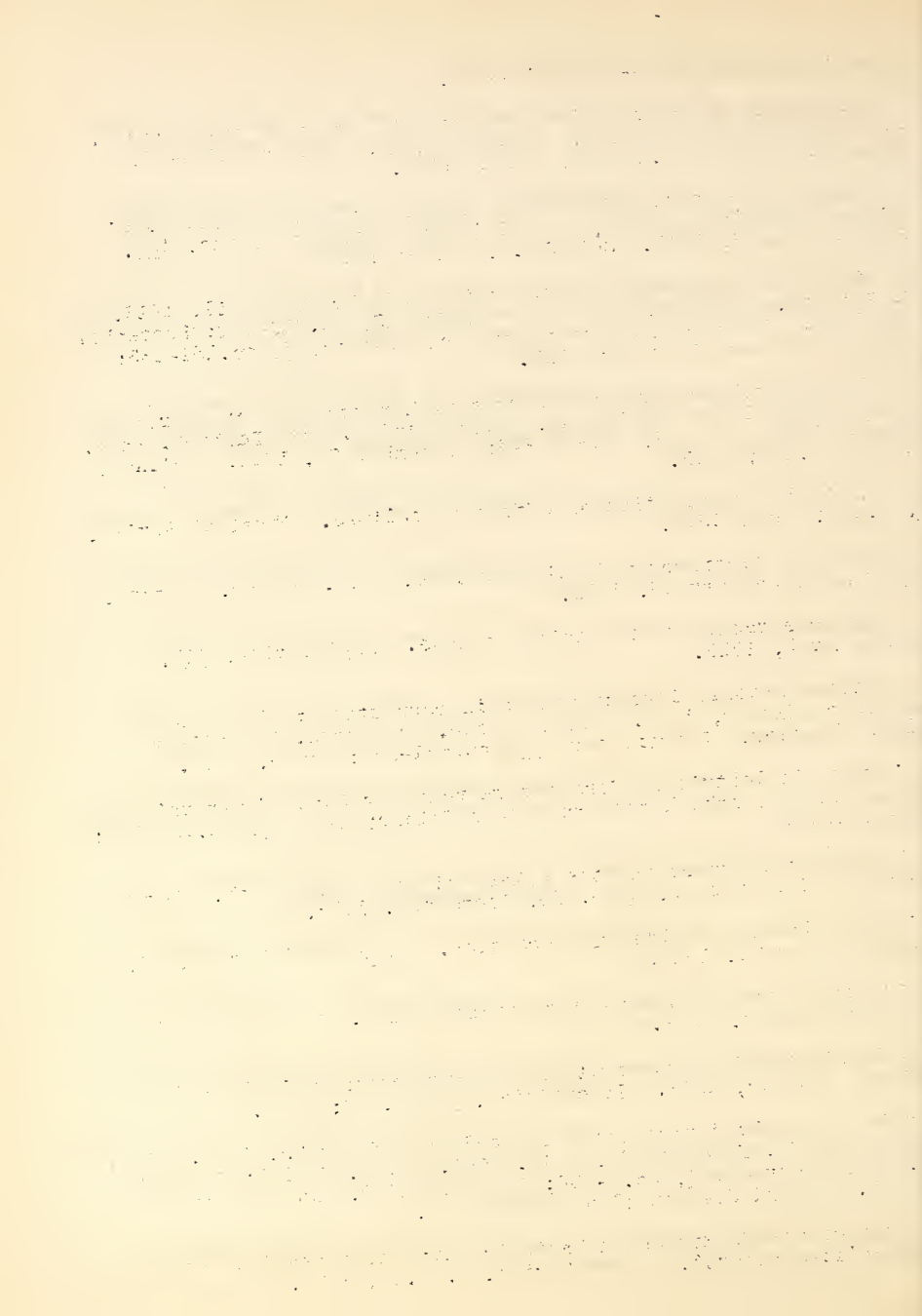
Solar Eclipse and wireless reception. Electrical Review, 85, p.532; October 24, 1919.

The solar eclipse and wireless transmission. Wireless World, 7, p.399; October, 1919.

Radiotelegraphic investigations in connection with the solar eclipse of May 29, 1919. Electrician, 82, p.550; 1919.

Radiotelegraphy during the solar eclipse of May 29, 1919. Nature, 104, pp.323-324; November 20, 1919. Sci.Abs. B, No.139; January, 1920. Radio Review, 1, pp.24-26; October, 1919. Radio Review Abs. Nos. 302 and 364, April and May, 1920.

Report of the Committee on Radio telegraphic investigations (solar eclipse report). Radio Review, 1, p.24; 1920.



Letter Circular 207 --3/4/26-- 18.

Eclipse of the sun April 8, 1921 --effects produced at wireless stations. F.Addey. Radio Review, 2, pp.226-227; May, 1921.

Observe effects of eclipse on radio signals. Telegraph & Telephone Age, 33, p.390; September 1, 1921.

Messungen der Empfangsintensitat der atmospharischen Ionisation und anderer meteorologischer Elemente wahrend der Sonnenfinsternis am 8 April 1921. B. Illin. Jahrbuch der drahtlosen Telegraphie, 23, pp.128-132; September, 1923.

Atmospheric electric observations during the total solar eclipse of September 10, 1923. H.F.Johnston. Terrestrial Magnetism, 29, pp.132-22; March, 1924. Sci.Abs. A, No.1533; June, 1924.

Observations radiotelegraphiques pendant l'eclipse du soleil du 10 Septembre 1923. L.W.Austin. L'Onde Electrique, 3, pp.591-594; December, 1924.

Wireless and the eclipse -- results of signal measurements between England and the U.S. Electrician, 94, pp.152-153; February 6, 1925.

The solar eclipse and the wireless signals (correspondence). W.H.Eccles. Electrician, 94, p.208; February 20, 1925.

The effects of the eclipse on radio. A.P.Lane and F.X.Walsh. Scientific American, 132, pp.224-226; April, 1925.

Changes observed in the direction of radio signals at the time of the eclipse of January 24, 1925. E.Merritt, C.C.Bidwell and H.J.Reich. Journal Franklin Institute, 199, pp.485-492; April, 1925.

La T.S.F. et l'eclipse du soleil du 24 Janvier 1925. A. Morizot. La T.S.F.Moderne, 6, pp.344-348; June, 1925.

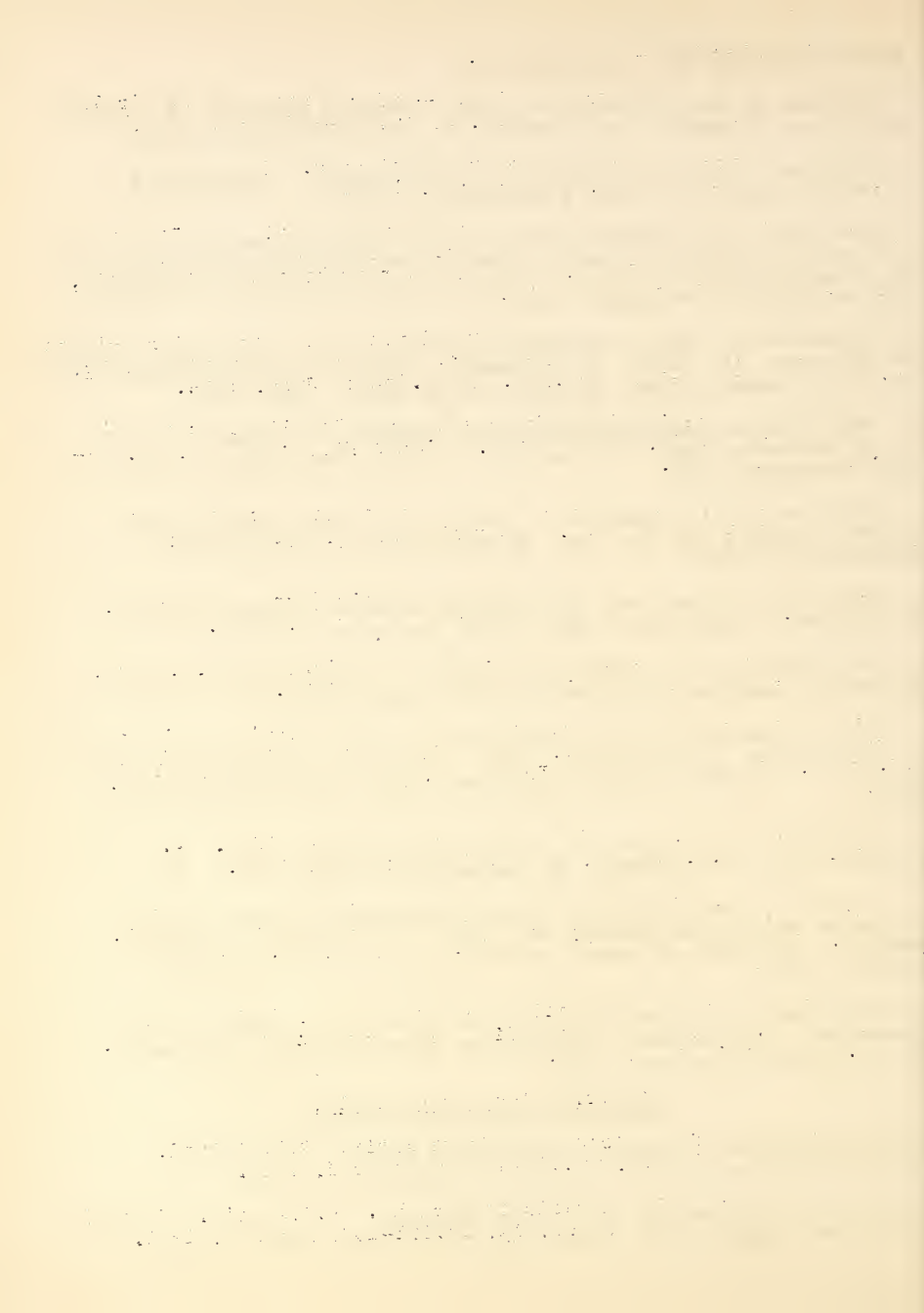
A note on wireless signal strength measurements made during the solar eclipse of January 24, 1925. E.V.Apoleton and M.A.F. Barnett. Proceedings Cambridge Phil. Soc., 22, pp.672-675; July 20, 1925.

The effect of the solar eclipse of January 24, 1925 on radio reception. G.W.Pickard. Proceedings Institut Radio Engineers, 13, pp.539-563; October, 1925.

R113.9.-- Wave Front Angle.

Determination of wireless wave front angle. G.W.Pickard. Electrical Review (N.Y.), pp.494-495; October 3, 1908.

The wave front angle in radio telegraphy. L.W.Austin. Journal Washington Academy of Sciences, 11, pp.101-106; March 4, 1921.



On the determination of the directions of the forces in wireless waves at the earth's surface. R.L.Smith-Rose and R.H.Barfield. Proceedings Royal Society, 107, p.587; March, 1925.

Measuring traveling wave fronts by means of coupled oscillating circuits. Harold Müller. Archiv. f. Elekt., 15, pp.97-120; Sept. 21, 1925.

Some measurements on wireless wave fronts. R.L.Smith-Rose and R.H.Barfield. Experimental Wireless (London), 2, pp.737-749; September, 1925.

Polarization of wireless waves (experiments of vertically and horizontally polarized waves). R.L.Smith-Rose. Wireless World & Radio Review, 17, pp.859-862; December 16, 1925.

A further question of nomenclature; the polarization of electromagnetic waves. Experimental Wireless (London), 3, pp.201-202; April, 1926.

Polarization of radio waves. G.W.Pickard. Proceedings Institute of Radio Engineers, 14, p.205; April, 1926.

Changes in the polarization of radio waves. G.W.Pickard. Radio News, 7, pp.1540-1541; May, 1926.

Discussion on "Polarization of radio waves," by G.W.Pickard. E.F.W.Alexanderson. Proceedings Institute of Radio Engineers, 14, pp.331-333; June, 1926.

R114.-- Strays.

Atmospheric electricity, origin, variations and perturbations, Brillouin's theory. Monthly Weather Review, 25, p.440; October, 1900.

Atmospheric electricity considered from the viewpoint of theory of electrons. Monthly Weather Review, 31, p.223; May, 1903.

Notes on the electrical waves occurring in nature. W.H.Eccles and H.M.Airey. Proceedings Physical Society, 85, pp.145-150; 1911.

Wireless telegraphy in reference to interference and perturbations. H.M.Airey. Journal Institution Elec. Engineers (London), 47, p.130; 1911. Electrician, 67, p.29; April 14, 1911.

Interruptions and perturbations in wireless telegraphy. J.E. Taylor. Electrician, 66, p.1022; 1911. Electrical Review, 53, p.752; 1911. Journal Institution Electrical Engineers (London), 47, p.113; 1911.

Atmospheric potential and wireless disturbances. G. Lutz. Sci. Abs. B, p.351; May 27, 1914.

Radiotelegraphic investigations --analysis of records of strays. Electrician, 75, pp.307-308; September 24, 1915.

Investigation of atmospheric electrical variations at sunrise and sunset. E.H.Nichols. Proceedings Royal Society, 32, p.401; July 1, 1916.

The relation between atmospheric disturbances and wave length in radio reception. L.W.Austin. Proceedings Institute of Radio Engineers, 1920.

Strays and their origin. Wireless World, 8, p.346; Aug.7, 1920.

Atmospherics and weather forecasts. H.J.Hinks. Radiograph, 2, p.100; October, 1920.

On vertical electric currents and the relation between terrestrial magnetism and atmospheric electricity. Louis A. Bauer. Terrestrial Magnetism, 25, pp.145-162; December, 1920.

Electrical phenomena occurring at high levels in the atmosphere. S. Chapman. Journal Institution Electrical Engineers (London), October, 1920. Electrical World, 77, p.108; January 8, 1921.

Radiogoniometry and atmospheric influences. E. Rothe. Comptes Rendus, 172, pp.1345-1347; May 30, 1921. Sci.Abs. B, No.845, August, 1921.

The direction of atmospheric disturbances in wireless telegraphy. L.W.Austin. Journal Franklin Institute, 131, pp.619-623; May, 1921. Sci.Abs. B, No.748, July 30, 1921.

Atmospheric disturbances and wave lengths. L.W.Austin. Proceedings Institute of Radio Engineers, 3, pp.28-40; February, 1921. Jahrbuch der drahtlosen Telegraphie, 17, pp.403-409; June, 1921. Sci.Abs.B, No.734; July, 1921.

The diminution of atmospheric disturbances in wireless telegraphy. L.W.Austin. Proceedings Institute of Radio Engineers, 3, pp.41-55; February, 1921. Jahrbuch der drahtlosen Telegraphie, 17, pp.410-426; June, 1921. Sci. Abs. B, No.925; September, 1921.

Determination of the direction of atmospheric disturbances or static in radio telegraphy. Journal Franklin Institute, p.613; 1921.

The relation between atmospheric disturbances and wave length in radio reception. L. W. Austin. Proceedings Institute of Radio Engineers, 3, p.28; 1921.

The reduction of atmospheric disturbances in radio reception. L.W.Austin. Proceedings Institute of Radio Engineers, 3, p.41; 1921.

Optimum wave length and atmospheric. L.B.Turner. Radio Review, 2, pp.524-534; October, 1921. Sci.Abs.B, No.151, Jan., 1922. L'Onde Électrique, 1, p.257; April, 1922.

Bestimmung der richtung atmosphärischen oder statischer Störungen in der drahtlosen Telegraphie. L.W.Austin. Jahrbuch der drahtlosen Telegraphie, 13, pp.115-123; February, 1922.

New radiogoniometric observations of atmospheric disturbances. M.J.Lacoste. Comptes Rendus, 173, pp.843-845; 1921; 174, pp.707-708, 1922; 175, pp.707-708, October 23, 1922. Sci.Abs.A, No.749, April, 1922.

Static interference as a function of wave length. H.T.Friis and L.J.Sivian. Wireless World and Radio Review, 10, pp.285-288; June 3, 1922.

The origin of atmospheric. R.A.Watson-Watt. Nature, 110, pp.680-681; 1922.

Les parasites: leur origins et leur elimination. G. Malgorn and J. Brun. Radioelectricité, 4, pp.36-40; January, 1923.

Directional observations of atmospheric disturbances 1920-21. R.A.Watson-Watt. Proceedings Royal Society A, 102, pp.460-478; 1922. L'Onde Électrique, 2, pp.187-188; March, 1923.

The nature of atmospheric. O.F.Brown. Modern Wireless (London), 1, pp.303-308; June, 1923.

Perturbations atmosphériques et communications par T.S.F. H.deBelleseize. Radioelectricité, 4, pp.32-36; January; pp.70-76, Feb; pp.113-120, March; pp.151-156, April; pp.1-4, June 15; pp.17-21, July 15, 1923.

Les perturbations atmosphériques. R. Mesny. L'Onde Électrique, 2, pp.391-405, July, 1923.

Das gleichzeitige Auftreten atmosphärischer Störungen. Max Baumler. Jahrbuch der drahtlosen Telegraphie, 22, pp.2-8; July, 1923.

Observations on atmospheric. R.A.Watson-Watt. Wireless World & Radio Review, 12, pp.601-612, August 1; pp.636-637, August 8, 1923.

On the nature of atmospheric. R.A.Watson-Watt and E.V. Appleton. Proceedings Royal Society A, 103, pp.84-102; 1923.

On the radiogoniometry of atmospheric disturbances and the prediction of weather. E. Rothe. Ann. d. Phys., 17, pp.383-415; 1922. L'Onde Électrique, 2, pp.7-18; 1923.

Directional observations of atmospheric (1918-1920). R.A. Watson-Watt. Phil. Mag., 45, pp.1010-1026, May, 1923. Proceedings Royal Society A, 102, pp.460-478, 1923.

1918

...

...

...

...

...

...

...

...

...

...

...

...

...

Letter Circular 207 -- 3/4/26 -- 22.

The study of radiotelegraphic atmospherics in relation to meteorology. Journal Royal Meteorological Society, 49, pp.35-39; 1923.

The direction of atmospheric disturbances. F. Schindelbauer. Jahrbuch der drahtlosen Telegraphie, 22, pp.133-167; 1923.

The energy of atmospherics. T.L.Eckersley. Electrician, 93, pp.150-151; August 8, 1924.

Recent experiments on atmospherics. E.V.Appleton. Yearbook of Wireless Telegraphy, pp.307-309; 1924.

The meteorological origin of certain disturbances in radio receivers. R. Bureau. Comptes Rendus, 176, pp.556-558; and 1823-1825; 1924.

Our present knowledge concerning the atmospheric disturbances of radio telegraphy. L.W.Austin. Bulletin National Research Council, No.41, p.127; 1924.

Onze mois d'observation des atmospheriques (Nov. 1923 to October, 1924). R.Bureau. L'Onde Électrique, 4, pp.31-43; January, 1925.

Atmospherics. R.L.Smith-Rose. World Power (London), 3, pp.20-25; January, 1925.

The present status of radio atmospheric disturbances. L.W. Austin. Proceedings Institute of Radio Engineers, 14, pp.133-136; February, 1926.

The directional recording of atmospherics. R.A.Watson-Watt. Experimental Wireless (London), 3, pp.234-238; April, 1926. Journal Inst. Electrical Engineers (London). 64, pp.596-610; May, 1926.

A static recorder. H.T.Friis. Bell System Technical Journal, 5, pp.232-231; April, 1926.

Direction determinations of atmospherics on the Isthmus of Panama. L.W.Austin. Proceedings Institute of Radio Engineers, 14, pp.373-376; June, 1926.

Les Atmosphériques. M.R.Bureau. L'Onde Électrique, 5, p.302; July, 1926.

Perturbations atmosphériques et longueur d'ondes. H. de Bellescize. L'Onde Électrique, 5, p.347; July, 1926.

Relations entre les perturbations électromagnétique et les troubles solaires. A. Nodon. L'Onde Électrique, 5, p.359; July, 1926.

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is scattered across the page and is mostly illegible due to fading and low contrast.

R270.--Measurement of Signal Intensity.

Measurements in wireless. Duddell and Taylor. Electrician, 55, p.260; June 2, 1905.

Some quantitative measurements in connection with radio-telegraphy. J.A.Fleming. Journal Institution Electrical Engineers (London), 44, pp.344-386; 1910. Electrician, 54, pp.331-334; pp.429-434, 467-469, 1909. Sci.Abs.B, No.259, 1910.

The measurement of electrical oscillations in the receiving antenna. L.W.Austin. Bureau of Standards Scientific Papers No.157; Bulletin of Bureau of Standards, 7, p.295; 1910.

Some quantitative experiments in long distance radio telegraphy. L.W.Austin. Bureau of Standards Scientific Paper No.153; Bulletin of Bureau of Standards, 7, p.315; 1911.

Magnitude of receiver currents in wireless telegraphy. H. Barkhausen. Jahrbuch der drahtlosen Telegraphie, 5, pp.261-263; January, 1912. Sci.Abs. B, No.441, 1912.

The measurement of received radiotelegraphic signals. L.W. Austin. Journal Washington Academy of Sciences, 3, pp.133-137; March 4, 1913. Sci. Abs. B, No.564, 1913.

The problem of range with electromagnetic waves (quantitative measurements at receiver). K.E.F.Schmidt. Physikalische Zeitschrift, 15, pp.202-209; February 15, 1914.

Absolute measurement in Strassburg of the field of the Eiffel Tower radiation. F.Braun. Jahrbuch der drahtlosen Telegraphie, 3, pp.132-133; February, 1914.

Measurement of strength of radio telegraph signals and their quantitative value. A. Klages and O. Demmler. Jahrbuch der drahtlosen Telegraphie, 3, p.212; March, 1914. Sci.Abs.B, p.405; 1914.

Radio telegraphic measurements by the shunted telephone method. H. Braun. Jahrbuch der drahtlosen Telegraphie, 3, pp.203-212; March, 1914. Sci.Abs. B, No.339, 1914.

Employment of string electrometer in wireless telegraphy. T. Wulf. Phys. Zeits. 15, pp.611-616; June 15, 1914. Sci. Abs. B, No.1133, 1914.

Radiotelegraphic measurements. J. Erskine-Murray. Electrician, 73, p.354; June, 1914. Sci.Abs. B, No.335, 1914.

Quantitative experiments in radio telegraphic transmission. L.W.Austin. Bureau of Standards Scientific Paper No.226; Bulletin of Bureau of Standards, 2, p.63; 1914.

On telephonic measurements in a radio receiver. J. Zenneck. Proceedings Institute of Radio Engineers, 4, p.363; August, 1916.

Measurement of signal intensity. J.V.L.Hogan. Yearbook of Wireless Telegraphy, pp.662-670; 1916.

Relation of audibility factor of a shunted telephone to the antenna current. B. van der Pol. Phil. Mag., September, 1917.

The measurement of radio telegraphic signals with the oscillating audion. L.W.Austin. Proceedings Institute of Radio Engineers, 5, pp.233-247; August, 1917. Jahrbuch der drahtlosen Telegraphie, 12, pp.236-304; October, 1917.

Note on "The measurement of radio telegraphic signals with the oscillating audion" L.W.Austin. Proceedings Institute of Radio Engineers, 5, p.327; 1917.

Relation of the audibility factor of a shunted telephone to the antenna current. G.W.O.Howe. Phil. Mag., 35, pp.131-133; January, 1918. Sci.Abs. B, No.223, 1918.

Tikker and telephone for current measurement. Gondet. Electrician, 31, p.113; June 14, 1913.

Measurement of small a.c. by Raleigh resonator. R.R.Watson. Physical Review, 13, p.237; April, 1919.

On measurement of signal strength. W.H.Eccles. Proceedings Institute of Radio Engineers, 7, p.267; June, 1919.

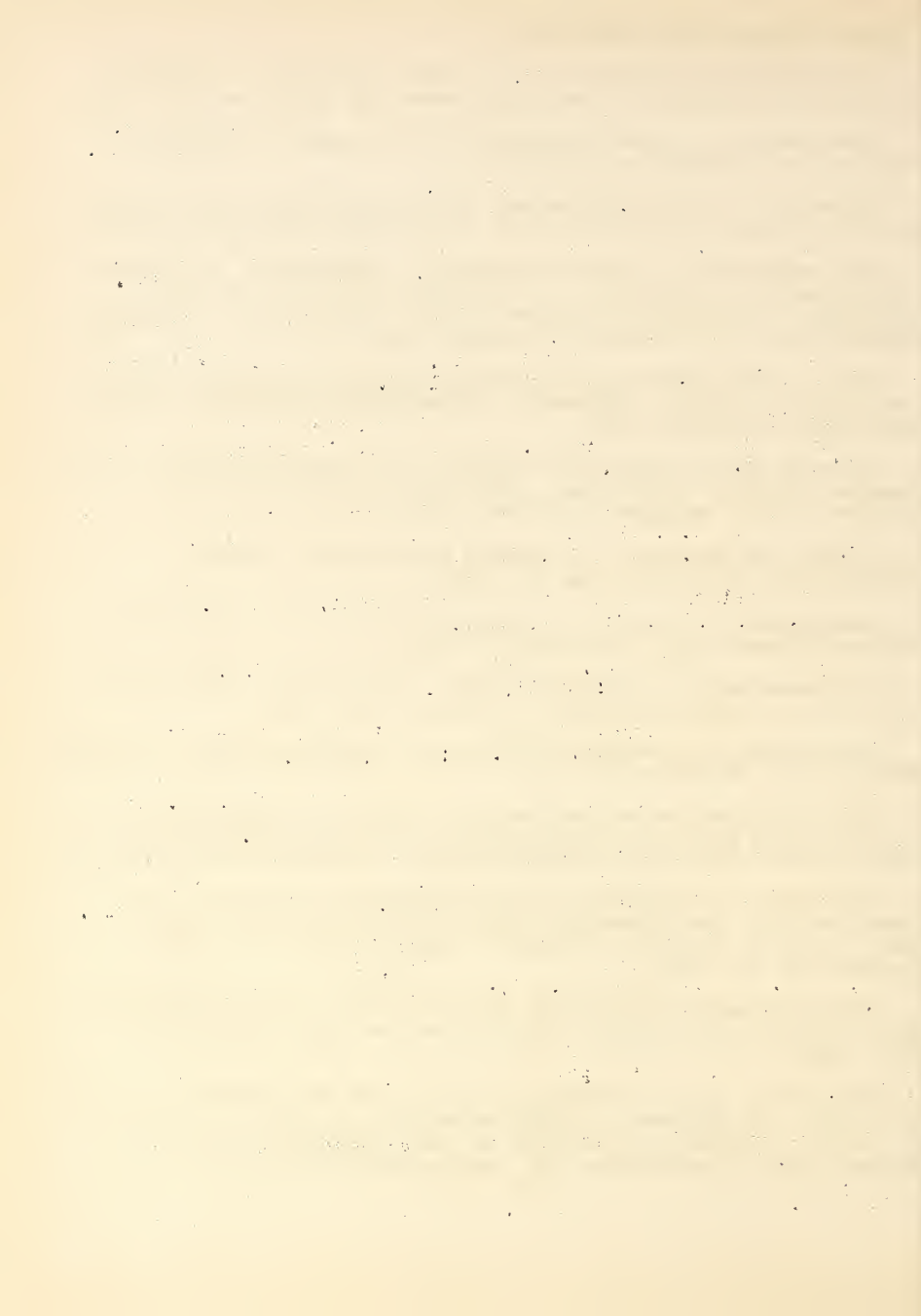
Measurement of alternating waves with the Braun tube. E. Lubke. Electrician, September 12, 1919.

Über die quantitative Bestimmung elektromagnetischer Strahlungsfelder in der drahtlosen Telegraphie. H.R. von Tröubenberg. Jahrbuch der drahtlosen Telegraphie, 14, pp.563-573; November, 1919.

Measurement of intensity of radiotelegraphic signals. H. deBellescize. Revue Generale d'Electricite, 7, pp.325-328; March 7, 1920. Sci.Abs. B, No.431, April, 1920. Technical Review, May 25, 1920.

The measurement of received radio currents with the electrometer. E.O. Hulburt and G. Breit. Physical Review, 15, pp.405-408; May, 1920.

Misure del campo elettromagnetico di onde radiotelegrafiche transoceaniche. G. Vallauri. L'Elettrotecnica, 7, p.293, June 15 and 25, 1920. Proceedings Institute of Radio Engineers, 3, pp.236-237; August, 1920. Electrician, 36, pp.243-250; February 25, 1921.



System for measuring the amount of static interference. A.N. Curtis. Proceedings Institute of Radio Engineers, 9, pp.225-227; June, 1921. Sci. Abs. B, No.227, September, 1921.

The measurement of radiation (signal). A. G. Lee. Post Office Elec. Engineers Journal (London), 15, pp.254-262; October, 1922.

Die Brauchbarkeit der Parallelohmethode für lautstärkemessungen in die Funktelegraphie. M. Bauemler. Jahrbuch der drahtlosen Telegraphie, 20, pp.263-277; October, 1922.

Note on measurement of radio signals. C.R.Englund. Proceedings Institute of Radio Engineers, 11, pp.26-33; February, 1923.

Radio transmission measurements. R.Bown, C.R.Englund, and H.T.Friis. Proceedings Institute of Radio Engineers, 11, pp.115-152; April, 1923. Electrician, 90, pp.645-643; June 15, 1923.

The measurement of signal strength. A.D.Cowper. Modern Wireless, (London), 1, pp.330-332, June; pp.514-519, August, 1923.

Radio transmission measurements on long wave lengths. H.H. Beverage and H.O.Peterson. Proceedings Institute of Radio Engineers, 11, pp.661-673; December, 1923.

The measurement of the electric intensity of received radio signals. J. Hollingworth. Journal Institution Electrical Engineers (London), 61, pp.501-516; 1923.

A resume of modern methods of signal measurement. J. Hollingworth. Wireless World & Radio Review, 14, pp.435-437; July 23; pp.513-520, July 30; pp.543-549, Aug. 6; pp.573-579, August 13, 1924.

An instrument to compare signal strengths. A. Castellain. Wireless World & Radio Review, 14, pp.134-133; May 14, 1924.

A method of measuring radio field intensities and atmospheric disturbances. L. W. Austin and E. B. Judson. Proceedings Institute of Radio Engineers, 12, pp.521-533; October, 1924.

Empfangs und Störungsmessungen in drahtlosen Telegraphie und Telephonie. Guido Anders. Elektrotechnische Zeitschrift, 45, pp.1433-1442; December 25, 1924.

Empfangsmessungen Europäischer Grosstationen an der Funkstelle Strelitz. S. Wiedenhoff. Elektrische Nachrichten Technik, 1, p.64; 1924.

Portable receiving sets for measuring field strengths at broadcasting frequencies. A.G.Jensen. Proceedings Institute of Radio Engineers, 14, pp.333-344; June, 1923.

A radio field strength measuring system for frequencies up to forty megacycles. H.T.Friis and E.Bruce. Proceedings Institute Radio Engineers, 14, pp.507-520; August, 1926.

[The text on this page is extremely faint and illegible. It appears to be a list or a series of entries, possibly a table of contents or a detailed index, but the specific words and numbers cannot be discerned.]



