

Whistlers And Related Ionospheric Phenomena

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Whistlers and Related Ionospheric Phenomena - NASA/ADS

The investigation of whistlers and related phenomena is a key element in studies of very-low-frequency propagation, satellite communication, the outer ionosphere, and solar-terrestrial relationships. This comprehensive text presents a history of the study of the phenomena and includes all the elements necessary for the calculation of the characteristics of whistlers and whistler-mode signals.

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Whistler (radio) - Wikipedia

Helliwell was the author of one book, "Whistlers and Related Ionospheric Phenomena," and more than 90 scientific papers. Three of his papers deserve special mention. One of these reported on low frequency emissions associated with the 1989 Loma Prieta earthquake . [4]

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These were whistlers which had propagated from a single ionospheric exit point to both receivers. Rothera and SANAE IV share the same whistler source region, yet the average number of whistlers received at Rothera is an order of magnitude greater than that received at SANAE IV.

A study of whistlers and related VLF phenomena. - CORE

The definitive work on the subject is "Whistlers and Related Ionospheric Phenomena" by R.A. Helliwell published by the Stanford University Press in the mid 1960s. The atlas section at the rear of...

Bing: Whistlers And Related Ionospheric Phenomena

A whistler is a very low frequency or VLF electromagnetic wave generated by lightning.

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Frequencies of terrestrial whistlers are 1 kHz to 30 kHz, with a maximum amplitude usually at 3 kHz to 5 kHz. Although they are electromagnetic waves, they occur at audio frequencies, and can be converted to audio using a suitable receiver. They are produced by lightning strikes where the impulse travels along the Earth's magnetic field lines from one hemisphere to the other. They undergo dispersion of several

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@inproceedings{Helliwell2006WhistlersAR,

title={Whistlers and Related Ionospheric

Phenomena}, author={R. Helliwell}, year={2006} }

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Robert Helliwell - Wikipedia

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Whistlers and Related Ionospheric Phenomena.
Publication Type. Book. Year of Publication. 1965.
Authors. Helliwell, RA. Publisher. Stanford University Press, Stanford Calif.

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