



A Yorkshire Philosophical Society lecture

Sound Waves in an Echoing Wonder World

Christmas Family Lecture

By Ann Marks, University of Liverpool

on Sunday 30th December at 2.30pm

at the Tempest Anderson Hall of the Yorkshire Museum



Admission free. No advance booking.

Further details available from: The Clerk,
Yorkshire Philosophical Society, The Lodge,
Museum Gardens, York, YO1 7DR
Tel: 01904 656713

www.ypsyork.org

The YPS is a Registered Charity No 529709.
Affiliated to the British Science Association.

Alice met many strange creatures in Wonderland. But fact is often stranger than fiction and in the real World there are creatures whose abilities to produce or detect sounds are amazing, as they exploit an astounding range of frequencies from infrasound to ultrasound. This is a far wider range than we can hear but small compared with the range of sounds that are used for research or practical applications.

In this lecture a pathway will be traced from the basic concepts of how sound travels to include reflection, resonance and Doppler shift, as the wonder world of sound, natural and man-made, which surrounds us, is explored.

Audience participation will be invited and very much encouraged in the numerous demonstrations throughout this illustrated Christmas lecture.

Suitable for young people from 10 to 100.

With the support of York Museums Trust
Children must be accompanied by a responsible adult.



Like us on Facebook
[ypsyork](https://www.facebook.com/ypsyork)



Connect to us on LinkedIn



Follow us on Twitter
[@ypsyork](https://twitter.com/ypsyork)

