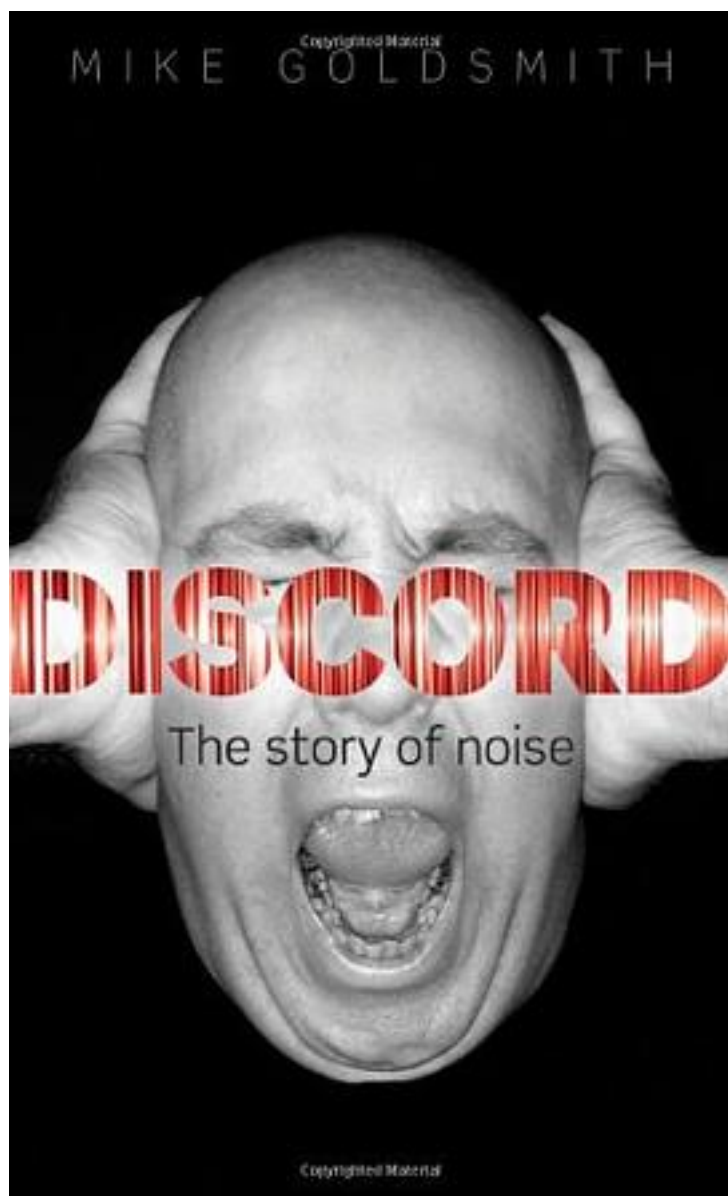


Discord



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著者:Mike Goldsmith

出版者:Oxford University Press

出版时间:2012-10-12

装帧:Hardcover

isbn:9780199600687

Noise is a widely recognized problem and health concern in the modern world. Given the importance of managing noise levels and developing suitable 'soundscapes' in contexts such as industry, schools, or public spaces, this is an area of active research for acousticians. But noise, in the sense of dissonance, can also be used positively; composers have employed it from Baroque music to Rock feedback; medicine harnesses it to shatter kidney stones and treat cancer; and even the military uses it in (real and rumoured) weapons. Mike Goldsmith looks back at the long history of the battle between people and noise - a battle that has changed our lives and moulded our societies. He investigates how increasing noise levels relate to human progress, from the clatter of wheels on cobbles to the sound of heavy machinery; he explains how our scientific understanding of sound and hearing has developed; and he looks at noise in nature, including the remarkable ways in which some animals, such as shrimps, use noise as a weapon or to catch prey. He concludes by turning to the future, discussing the noise sources which are likely to dominate it and the ways in which new science and new ideas may change the way our future will sound.

作者介绍:

迈克·戈德史密斯，自由科普作家。1987年从基尔大学取得博士学位后，一直在英国国家物理实验室声学部工作，并担任部门负责人多年。1999年以来，写作了超过三十本科普书籍，读者遍及各个年龄。他的两部作品《爱因斯坦与他的膨胀宇宙》（2001）和《狂欢机器人》（2003）曾入选“安万特科学图书奖”（现更名为“皇家学会科学图书奖”）。

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