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### Acoustic NLW Working in the Audio Range

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Acoustic Weapons have been discussed since the renewal of interest in NLW in the 1990s. Whereas infrasound even at high intensity does not produce the effects formerly alleged, there is no doubt that audio sound can not only produce annoying sensations, but also ear pain, at the risk of permanent hearing loss at high levels.

Recently, U.S. armed forces and some law-enforcement agencies in the USA have introduced the so-called Long Range Acoustic Device, a 0.8-m-size phased-array emitter of arbitrary audio waveforms. Basic properties of similar devices will be reviewed and conclusions drawn on rules for safe use.