my name is Neil Harvison and I'm one of the founders of the cyborg foundation and I'm a cyborg

[Music]

- as a cyborg is a feeling it's feeling that you're not using technology, that you're not wearing technology, it's feeling that you are technology. Neil Harbison was born completely colorblind

and while Neil's still can't see color, a device called the Eyeborg allows him to hear in sense colors. It picks up the dominant color in front of me and then it transposes this frequency of light

into the frequency of sound. So, it's related to the frequency of light is not an arbitrary relation this light frequency has a specific note which is the note that I hear but few octaves

lower. So that it's in the audio range.

Neil has been able to hear color through bone conduction since 2004 when he convinced a doctor to anonymously perform a drastic surgery. My head was drilled 4 time so that I could have the antenna integrated. so, it goes inside my skull. so, I actually feel cyborg. I feel that even if I touch the antenna. I feel it's like a part of my body. it really feels like a new body part. There's no way of removing it. So, it's just like other animals they have antennas. I decided that I would have an antenna as well. Neil says the Eyeborg has expanded his senses beyond normal human capability. I decide to include infrared colors and ultraviolet which are invisible to the human eye, but that they can be perceived through through our third eyes and then once this will became normal. I didn't see why I should only perceive the color that I have in front of me. so, I decided to have Bluetooth. so I could receive colors from other places of the planet.

Neil isn't the only cyborg on this planet. Professor Kevin Warwick implanted a chip in his

arm in 1998 a radio frequency identification device. entrepreneur a McGraw Stroh with RFID chips in each of his hands can unlock his car or computer with a single wave. his company dangerous thing sells do-it-yourself body hacking kits. some gamers are in on the action too. using brain stimulators to gain superhuman focus bionics.

Researcher Michael McAlpine sees this type of technology advancing into the mainstream.

you know up till now I think most people have thought of bionics is people who have impaired capabilities like lost sight giving them the ability to repair those capabilities. but going forward I

think there is the possibility if you can do that then you can also take that to the next step and actually give normal human advanced capabilities that biology never gave them and perhaps let

them do what maybe only certain animals can do or maybe let them do what no-one can do

Neil Harbison's experience shows how quickly technology is transforming culture. social reaction has changed over the years. so, in 2004 people thought it was a light, later people started to think it was a microphone. 2006 I think they thought it was for chatting, then in

2009 people started to think it was a hands-free phone. so, if they thought it was a new telephone. now people think it's something to do with Google glass. so, it's changed over the years. Now people think that I'm actually filming them which is a creates uncomfortable situation. So, I'm thinking of changing the image and I might just move the sensor down so that

it creates less confrontation with people that might think that I'm actually filming them. but I'm sure that in two three years people will think it's something else. it keeps changing. although some people still don't know how to react to the antenna.

times are changing. I think we are now entering the age of transition into cyber. so, we'll see more wearable technology becoming accepted and normalized. once wearing technology

becomes something normal. we'll start seeing the transition into implanting the technology. people will start accepting this more. so, in the 20s the late twenties we'll see more and more

projects with new body parts and new senses and I believe that in the 40s it will be normal to have technology implanted. so, it will be normal to merge humans and technology and to unite

cybernetics and organisms. I'm sure it will be normal to meet someone and as what are you extra senses and new body part