Smart Water Meter Hazards

It is well known (at least in the scientific community) that radio waves like those from Smart Meters are classified by the World Health Organization as Group 2B carcinogens (possibly carcinogenic) and, as more and more results come in, according to many scientists, they are likely to be upgraded to Group 2A (probably carcinogenic) and eventually to Group 1 (definitely carcinogenic). But this is not what I am writing about today. Today I want to tell you about the risk of becoming electromagnetically hypersensitive (EHS) and also of getting lead poisoning.

Electromagnetic Hypersensitivity
This can be caused by prolonged exposure to radio waves and other electromagnetic fields. Symptoms include headaches, insomnia and a variety of false sensations; e.g. of heat, cold tingling, pain and numbness. All these are due to effects on the nervous system when our various sensory cells are driven into hyperactivity by exposure to the radio waves. Even our ears can be affected and we may get tinnitus (ringing in the ears) and/or symptoms of motion sickness (including nausea) when the part of the inner ear associated with balance and acceleration are affected. Due to natural biological variation, not everyone is affected in exactly the same way, but the condition gets worse with repeated exposure and there is no known cure other than by removing yourself from the electromagnetic fields responsible. This could be extremely difficult and/or expensive. According to my own research, these effects are due to the ability of the radio waves to remove calcium ions (electrically charged calcium atoms) from the delicate membranes that surround all of our cells, which then makes them leak. This allows many ions (including calcium) to flow in and out of the cells through the leaks, much as they normally do when a nerve impulse is generated, but when radio waves do this in an uncontrolled way it eventually makes you EHS.

Lead Poisoning
Very weak radio waves from coils wound around water pipes have been used for decades to ‘condition’ the water flowing through them so that it becomes able to remove the calcium salts that form lime scale in plumbing. The mechanism is probably very similar to that by which it removes calcium from cell membranes, but the effects are potentially much worse. Firstly, if you have lead plumbing, the lime scale that keeps the lead out of contact with the water will gradually be removed and eventually the lead from the pipe will dissolve in the water and give anyone drinking it lead poisoning – the symptoms of which are very similar to electromagnetic hypersensitivity (EHS), but the effect may be more permanent since the lead remains in your cells for life and cannot be removed simply by switching off the smart meter.

Andrew Goldsworthy, BSc PhD Lecturer in Biology (retired) Imperial College London