

Harry appeared to intentionally calm himself and said, "We won't talk about the benefits of the profit motive right now, and I have nothing against Arithmantic Spell Crafters in general. But what was the last spell our British Crafters created for the common good?" When Hermione shook her head that she didn't know, Harry continued, "It was a window cleaning spell created over twenty years ago. I mongered a better one for Mrs. Weasley in two hours, and sold it to her for a Knut.

"Did that article in the journal mention any great new bit of magic they've created in the last hundred years?" She shook her head again. "Well I have nothing against them, but they've done nothing of real importance since 1879 that I can find. And they've slandered Spell Mongery to the point where Fudge wants to send me to Azkaban forever with no trial. Dumbledore is trying to save me once again from something I should be celebrated for - not that I want that. Thunderfire may save me from jail, if I can figure it out. Who'd have thought a possible vampire revolt might help my case?"

Hermione knew just enough about the vampire situation not to ask.

Harry sighed again and asked, "Did you read the excerpt from the StoryTeller's writings about Spell Mongery?"

"Harry, he's a Multidimensional Trans-time Chronicler."

"Yeah, and he asked to be called the StoryTeller 'cause it's easier. I am sorry about being so angry, but... oh, it's Fudge. That..." Harry calmed himself again. "Do you have the passage there? Well please read it out loud and then we can discuss it. I only skimmed it before my meeting with Dumbledore."

Hermione began:

In the magical world theoreticians and researchers exist in rare number in all the fields studied at Hogwarts, but the main theoretical thinkers practice in the fields of medical research at such facilities as St. Mungo's, potions experimentations of various kinds performed throughout the world but mostly in advanced schools of magic, and Arithmantic Spell Crafters in obscure offices of most magical governmental research laboratories, like the British Department of Mysteries.

Spell creation is viewed as a very precise art, combining the most esoteric and complex arithmantic numerologic calculations, ancient runes analysis and manipulations, and very advanced linguistic wordcrafting to create new spells or even modify existing known spells.

Muggles far outstripped the magical world in the vast numbers and types of theoretical and practical research efforts they labored in.

And yet, the two worlds, magical and Muggle, work and research in the same physical cosmos. That is, the laws of the universe - science, nature, and mathematics - all apply to magical and non-magical alike.

The Laws of Lift and Thrust allow an airplane to overcome the Law of Gravity. The magical laws governing the spells and charms applied to a Firebolt have to overcome the same Law of Gravity just as effectively. Many Muggles can explain the basics of how airplanes fly. Few magical folk can explain in like manner how the spells work.

In the year 1900, a Muggle German physicist named Max Planck observed the actions of electromagnetic energy acting in waves. He coined the word 'quanta' to describe the building blocks of energy and matter on a subatomic level.

From this, the revolutionary ideas of quantum theory and quantum mechanics entered the world of physics. The practical applications from these theories have given Muggles cheap but distrusted nuclear energy, microwave ovens, advanced telecommunications, laser discs, laser scanners, laser printers, laser anything and everything, and means of mass destruction that are unthinkable.

But Muggle theoreticians have not finished speculating on how quanta can help accomplish the unimaginable. And those in the research laboratories will never give up creating the "impossible."

At the time of this story, Harry Potter is in the summer before his sixth year at Hogwarts. It is 1996. In 1998, in three different research laboratories around the world, Muggles quanta-transported matter in a manner not unlike the way transporter technology works in science fiction.

"Sort of odd to read about things in the past tense that haven't happened yet, isn't it? The StoryTeller's works just show up from time to time as he writes the chapters, but it's odd. At least everything he writes about me happened, not like Skeeter and that crowd."

"Harry, I dislike Rita Skeeter as much as you do, but you must admit that she wrote a fine piece on you in *The Quibbler*."

"I guess, but remember you and I dictated most of it to her, and you threatened to turn her in. Let's not talk about her, even though that does give me an idea... Anyway, Hermione, please keep reading."

In 2005, scientists with the Muggle technology company, Hewlett-Packard, proved that a quantum computer would be able to calculate more data in one molecule than any existing super computer could contain. In January of 2006, scientists postulated what structure would have to be created to contain a quantum computer.

In 2016 Muggles created the first stable self-replicating nanoparticles and quickly shared the discovery with the world in order to head off another molecular plague outbreak like the one that devastated Little America at the South Pole in 2013. By 2091, Muggles were regularly creating non-biologic objects out of the air, or "out of the quanta" as they expressed in that time.

In 2072 Muggles for the first time quanta-transported visible inanimate objects from one location to another, without destroying either laboratory. By 2109 non-biological items of less than two pounds were being shipped world-wide by Federal Express, the company that had invested \$1.1 trillion dollars in the technology. By the year 2241, Muggles themselves regularly quanta-transported between home and work in major technology cities such as Bangalore, Cupertino, Minsk, New Redmond, and Milwaukee. (The Muggle governments of the world combined forces to bomb old Redmond, Washington, USA off the face of the globe in 2038, five months after Windows 2035 shipped.)

But in the summer of 1996, Harry Potter opened the journal, The Way of the Spell Monger by Telemachus Grind, and bypassed all of the research done by Muggles over the next two hundred and fifty years. He bypassed the decades of study a witch or wizard would go through before being chosen as an apprentice Arithmantic Spell Crafter with the British Ministry of Magic. Harry mongered his first simple charm in fifty-

