Script

In this simulation, here is your home, the Google DNS server, the Pennsbury site, and the Dog Island site.

Let's open the web browser on the Home PC and go to the address 8.8.8.10. It's the Pennsbury website. Let's try pennsburysd.org. They both direct you to the same site, but one is easier to remember.

This translation is reflected in the DNS server's record table.

Let's say we don't have DNS and must use IP addresses.
Oh no, I mistyped one number. This isn't the site I wanted!

Clearly we need DNS because it keeps us safe and makes using the Internet convenient.