



A Science Adventure of a Girl Who Wanted to Be a Physicist

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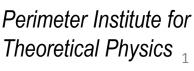


National Science & **ERC ENG** Engineering Research Council of Canada



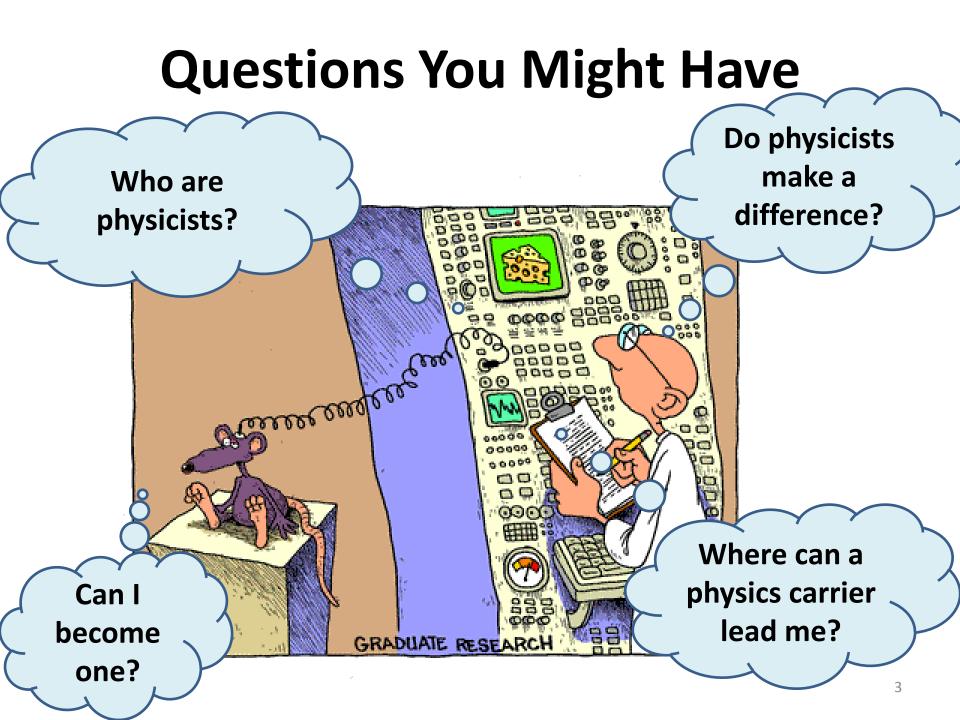
Canadian Association of Physicists

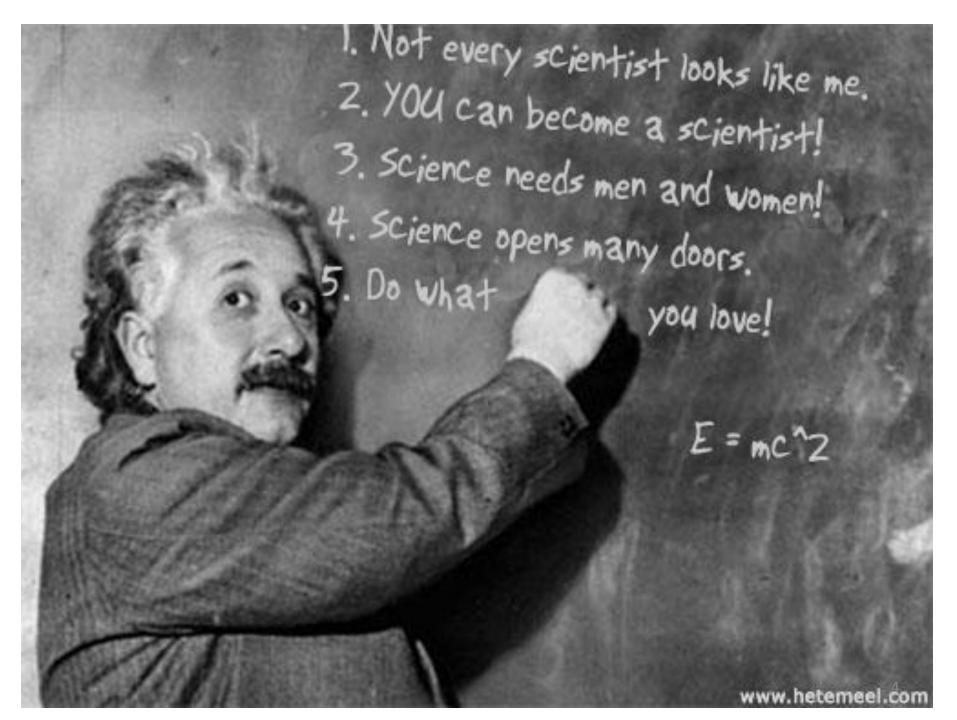




My Grandfather Encouraged Me to Study Physics at a Very Early Age







Whatever Career you Chose You Must Love What You Do!

Working hours over lifetime =
$$\left(40 \frac{hours}{week}\right) \left(50 \frac{weeks}{year}\right) (40 years) = 80,000 hours$$

One year = $\left(24 \frac{hours}{day}\right) \left(365.25 \frac{days}{year}\right) = 8400$ hours!

Frof. Janis McKenna
Prof. Janis McKenna
Prof. Elizabeth Croft
Prof. Anne Condon

Prof. Janis McKenna Physics and Astronomy Prof. Elizabeth Croft Applied Science **Prof. Anne Condon Computer Science**⁵

Why Did I Choose to Study Physics?

- Curiosity: want to know how things work
- Intellectual challenge: working on interesting problems
- Exciting collaborations: working with interesting people all over the world
- Exciting job opportunities: industry, business, academe, teaching, government
- Opportunities to inspire a new generation and make a difference

Where Physics Took Me...

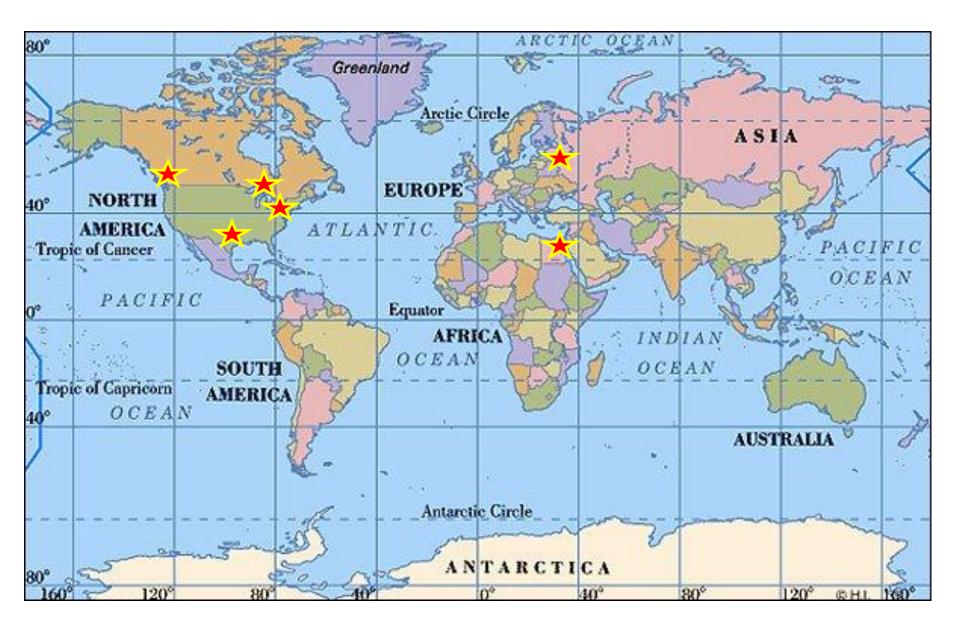
- Geographically
- Intellectually
- Personally





An elementary school visit

Geographically: Northern Hemisphere Version

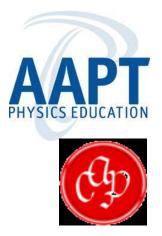


Geographically: Southern Hemisphere Version





Intellectually



- Work at major research universities
- Do research in physics education: designing and testing new physics teaching methods
- Do physics and science outreach
- Educate future science and physics teachers
- Actively participate in American Association of Physics Teachers, Canadian Assoc. of Physicists...

Personally



- I am passionate about my work
- I have a family (my husband is a physicist @ UBC)
- I am financially independent
- I have friends all over the world
- I travel to many places and meet amazing people
- I help other physics teachers and students
- I feel that I am making a difference...

Now It is My Turn to Encourage Others



Where Will Physics Take You?