



A dendroecologist
uses tree rings to
reconstruct climate,
disturbances (including
human land use), and other
factors that influence
tree growth.

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Important Scientist Characteristics

I'm good at seeing patterns, and then noticing things that don't fit the pattern. The next most important talent—a gift, really—is curiosity. I always want to know more. And finally, humility. We can't understand new things or very old ones if we think we already know everything.

Example of a simple research question I have tried to answer: I call my work “forensic ecology.” We use the records kept by trees through their growth to understand what happened in the past. For example, how does fire occurrence in the past relate to fire and climate in the present?

Technology or equipment used in research:

In my science, we get to use a lot of power tools. For example, we use chainsaws to cut sections from old logs and belt sanders to sand the sections finely. The most useful tool is the increment borer, like the one I am holding in my picture. It's a very simple tool that enables us to take a pencil-sized core sample from a live tree without hurting the tree.

• Most Exciting Discovery

• I have found six pieces of
• wood that are nearly 1000
• years old in the Colorado
• Front Range. They looked like
• charred, gray pieces of logs
• half-buried in the dirt. At the
• lab I was able to cross-date
• them back to the early 1000
• AD. That's before the Aztec
• or Incan Empires! The climate
• was different then, and the
• trees recorded that.

• When did you know you • wanted to be a scientist?

• When I was six years old,
• my parents took me to the
• Denver Museum of Natural
• History. In the entryway was
• the fully assembled skeleton
• of a Tyrannosaurus Rex. The
• minute I saw that, I knew I
• had to be a scientist.

<http://www.fs.fed.us/rm/forest-woodland/profiles/?last=Huckaby&first=Laurie>