


Health Benefits of Woodlands

Jarel Bartig, USDA Forest Service and Natural Resources Conservation Service

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Webinar Objectives


- What's the problem?
- 3 solutions and supporting science
- Ideas for techniques you can try
- Places to go
- Resources to learn more



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What's the Connection?

- Time in nature = increased physical and mental wellbeing



Pike County

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What's the disconnect?

- Source of our stress has changed
- Way we recover has not!




Mind Full, or Mindful?

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Three Solutions and How They Work

- Negative ions
- Tree air
- Time in nature




Junction Earth Works

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Negative ions: what


- Molecules floating in air that have been charged with electricity - anions
- Moving water (Lenard effect)
- Plants and soil



Hocking Hills

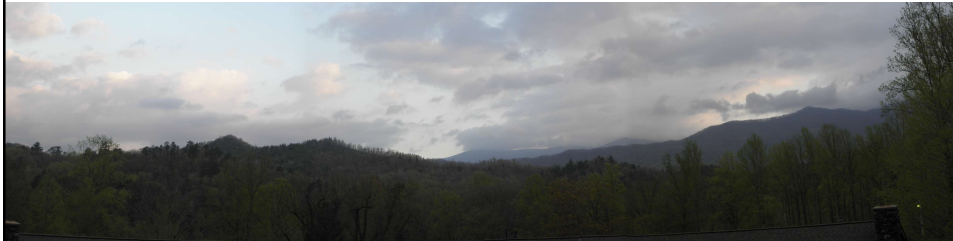
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Negative ions: where

- Forests
- Waterfalls
- Large bodies of moving water
- Mountains
- Seashores
- Hot springs




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Negative ions: how

- Reduce stress and depression
- Quicker recovery from physical exertion
- Promotes antimicrobial activity
- Improves cognitive performance



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Break for questions

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Tree air: what

- Shinrin-yoku (Japan)
- Salim yok (Korea)
- Aerosols
 - Phytoncides
 - Geosmin or “earth odor”






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Tree air: where

- **Forests and woodlands***
- Urban parks and yards





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Tree air: how

- Reduces blood pressure and blood sugar
- Lowers cortisol
- Increases natural killer cells



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Tree air: how long is enough?







- 20 minutes can last for 3 months!











Wayne National Forest

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Break for questions

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Time in nature: what



Seneca rocks

- Brain networks:
 - Executive
 - Spatial
 - Default

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Time in nature: where




Raccoon Creek

- woods*
- gardens
- parks
- water
- art

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Time in nature: how



Leo Petroglyph


- Decreased stress/nervous system arousal
- Increased focus and memory
- Impulse inhibition
- Feelings of well-being
- Decreased rumination*
- Increased awe*
- More creativity

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Time in nature: how long?

- 2+ hours every week toward a kinder, happier and more creative you!



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Break for questions

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Techniques You can Try: boost your health and well-being

- Walk in the woods for 90 minutes
- Create a mandala from natural materials at hand
- Nature journaling
- Just sit and breathe!




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Techniques You Can Try: boost creativity



- External open-monitoring meditation
- Sit quietly and observe where your mind travels
- Stay present and focus on sounds, smells, colors of your environment
- Become aware of types of thoughts and how they can create changes in body and emotion
- Follow without judgement or reaction – stay in the moment

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Other Things You Can Do

- Read the Lorax to a child
- www.discovertheforest.org
- Plant a garden
- Add negative ions to your living space



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Some Places You Can Go

State Forests in Ohio
<http://forestry.ohiodnr.gov/findaforest>







Natural Areas and Preserves in Ohio
<http://naturepreserves.ohiodnr.gov/findapreserve>

Wayne National Forest
<https://www.fs.usda.gov/wayne>




Shawnee State Forest

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Resources to Learn More




- *The Nature Fix* by Florence Williams
- *Last Child in the Woods* by Richard Louv
- *Forest Medicine* by Qing Li
- Ohio Leave No Child Inside Collaborators
 - <https://ohiolnci.org/>
- International Society of Nature and Forest Medicine
 - <https://www.infom.org/>
- The Association of Nature and Forest Therapy Guides and Programs
 - <https://www.natureandforesttherapy.org/>

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Resources continued



- Walk with a Doc
 - <https://walkwithadoc.org/>
- Children and Nature Network
 - <https://www.childrenandnature.org/>
- National Environmental Education Foundation's Children and Nature Initiative
 - <https://www.neefusa.org>
- Park RX America
 - <https://parkrxamerica.org/>

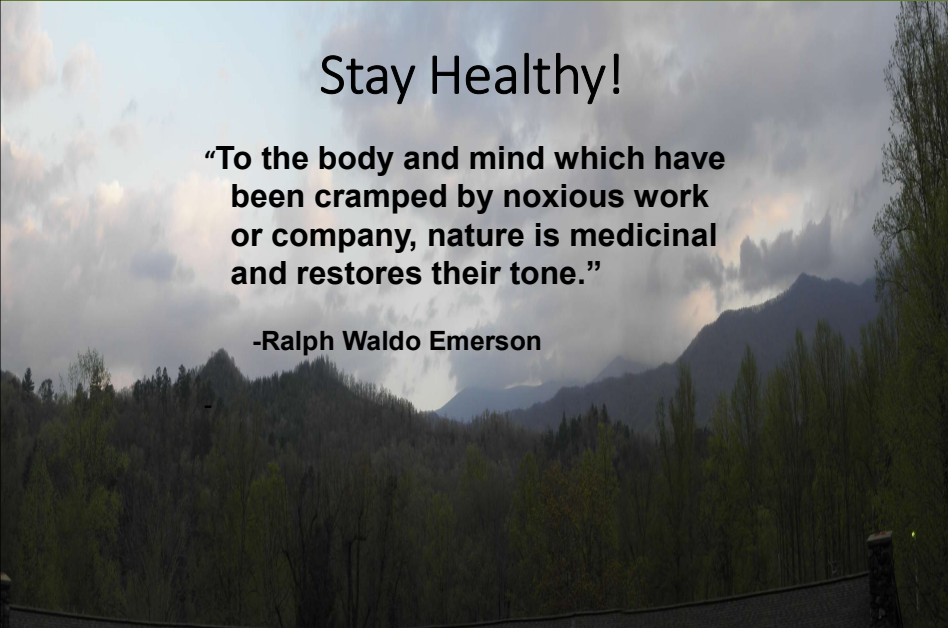
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Stay Healthy!

“To the body and mind which have been cramped by noxious work or company, nature is medicinal and restores their tone.”

-Ralph Waldo Emerson



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