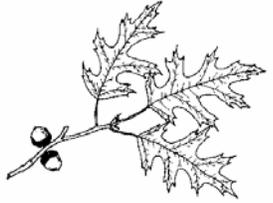


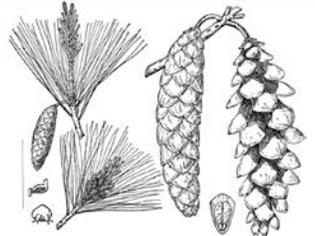
**19 Pin Oak – (L) in bushes**  
*Quercus palustris*  
**Leaf:** Simple deeply lobed.  
**Fruit:** Small acorn, cap is shallow and hairless.  
**Bark:** Smooth bark on young trees, many smaller branches persist.



**20 Eastern Red Cedar – (L) in bushes**  
*Juniperus virginiana*  
**Leaves** Evergreen, scale-like in four rows forming four-angled twigs  
**Fruit** Dark blue 1/4" diameter, soft, juicy resinous and berrylike  
**Bark** Reddish-brown, thin, fibrous and shreddy



**21 White Pine – (L) at picnic area**  
*Pinus strobus*  
**Leaf:** 2 to 4 inch soft needles 5 per bundle.  
**Fruit:** Slender cones usually 4 to 6 inches long.  
**Bark:** Smooth on new growth, not scaly.



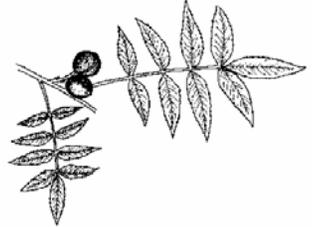
**22 Norway Spruce – (L) in woods**  
*Picea abies*  
**Leaf:** Shiny green, stiff, sharp 4-angled needles 1/2 – 1" long  
**Flowers** Female: upright and purple  
 Male: yellow-brown in lg. groups  
**Fruit** Cones 4-6" cylindrical, stiff scales  
**Bark** Red-brown scales turning to grey with flakey plates



**23 Eastern Cottonwood – (L) in woods**  
*Populus deltoides*  
**Leaf:** Coarse-toothed on flattened stalks.  
**Fruit:** Dense heads of white cottony seeds dispersing in fall.  
**Bark:** Smooth, yellow-green on new growth.



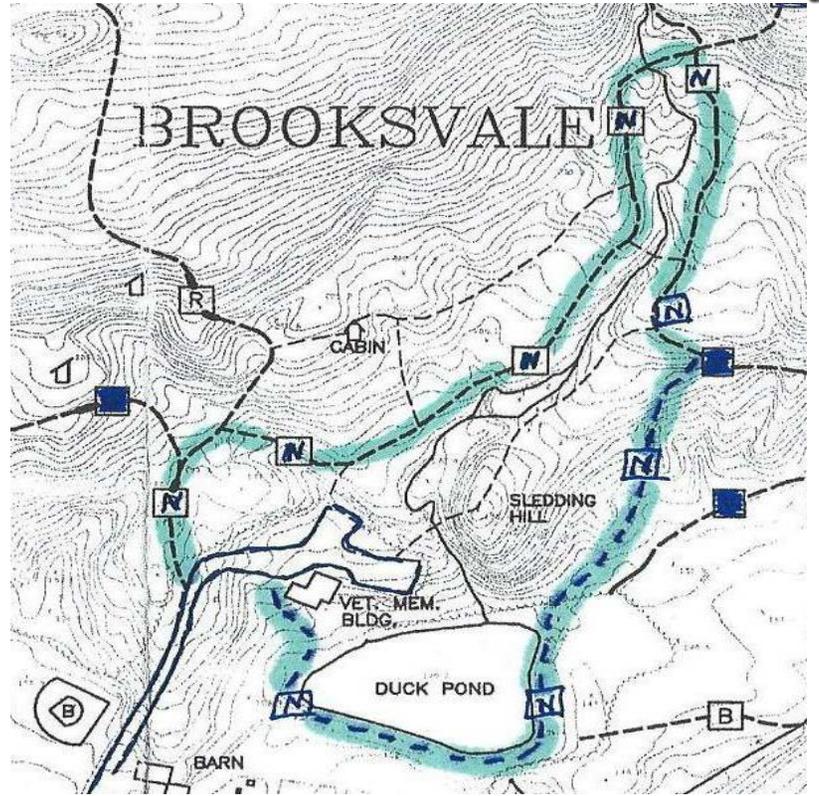
**24 Bitternut Hickory – (R) near pond**  
*Carya cordiformis*  
**Leaf:** Sulfur yellow buds produce compound leaf with 5 or more leaflets.  
**Fruit:** Dusty yellow thin husks.  
**Bark:** Hard, thin silvery-grey color.  
**Quiz Trees in group behind Vet. Bldg.**  
**Answers: A = 2 B = 20 C = 4**



# A Guide to the Trees of Brooksvale Park



This pamphlet was created by Tom Strachan in fulfillment of his Eagle Scout rank with the support of the Boy Scouts of Troop 604, the Friends of Brooksvale Park, Inc. and the Rotary Club of Hamden for the Town of Hamden.

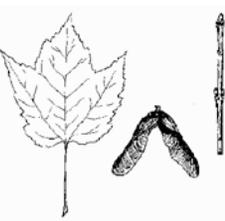
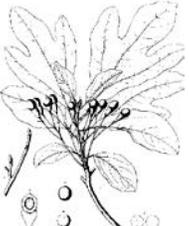
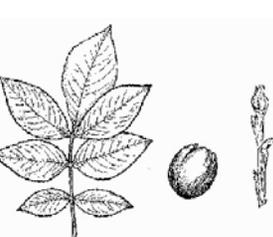
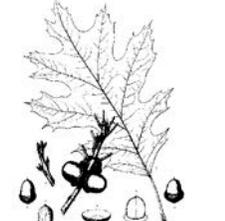


**NATURE TRAIL (N) MAP**

**Trail** marked with White blazes // (L) = tree on left side; (R) = tree on right  
**Trees** identified with plaques // White rock beside trail at each tree  
**Start:** At the kiosk above the Veteran's Building parking lot  
**End:** Behind the Veteran's Building before the Rain Garden sign  
**Hike Difficulty:** EASY, ~0.75 mi. (but may be uneven and/or wet in places)  
**Quiz:** After Tree #24 go left toward the Parking Lot to find Trees A, B & C.  
 Can you identify them? See Answers at the end of the brochure.

Brooksvale Park Ranger Office  
 203-287-2669/[www.brooksvalepark.com](http://www.brooksvalepark.com)



<p><b>1 Sugar Maple - after kiosk (R)</b> <i>Acer saccharum</i> <b>Leaf:</b> Simple, usually 5 lobes. <b>Fruit:</b> Winged pair seeds which helicopter down. <b>Bark:</b> Dark grey, rough vertical grooves and ridges.</p>		<p><b>2 Black Cherry - near #1 (L)</b> <i>Prunus serotina</i> <b>Leaf:</b> Long, narrow and blunt toothed. <b>Fruit:</b> Round, in long clusters <b>Bark:</b> Rough dark outer bark, peeling to expose reddish under bark.</p>		<p><b>3 Tree of Heaven - (R)</b> <i>Ailanthus altissima</i> Swingle <b>Leaf:</b> Alternate, pinnate, compound <b>Flowers</b> 5 petals, yellow-green <b>Fruit</b> One-seeded, spirally twisted in clusters that remain through winter</p>	
<p><b>4 Red Maple - after turn (L)</b> <i>Acer rubrum</i> <b>Leaf:</b> 3 to 5 lobes, turning red in the fall with red stem. <b>Fruit:</b> Two winged and hanging. <b>Bark:</b> Light grey on young trees, fish scaled pattern often present.</p>		<p><b>5 Sassafras - (L)</b> <i>Sassafras albidum</i> <b>Leaf:</b> 3 different shaped leaves on same tree. <b>Fruit:</b> Blue, fleshy, single seed. <b>Bark:</b> Red-brown and furrowed, twigs are fragrant.</p>		<p><b>6 Sycamore - on dam (R)</b> <i>Platanus occidentalis</i> <b>Leaf:</b> Large, broad, palmate, flat <b>Fruit:</b> Long stalked balls ≤1.5" diameter <b>Bark:</b> Brown older bark peels away from cream-colored younger bark.</p>	
<p><b>7 Shagbark Hickory - off trail (R)</b> <i>Carya ovata</i> <b>Leaf:</b> Compound, 5 to 7 leaflets.. <b>Fruit:</b> Edible nut, egg-shaped and 4 angled. <b>Bark:</b> Very shaggy and peeling.</p>		<p><b>8 Black (Sweet) Birch - (R)</b> <i>Betula lenta</i> <b>Leaf:</b> Oval, slightly serrated, tapering. Short spurs on twigs. <b>Fruit:</b> Cone 1" long &amp; winged nutlets <b>Bark:</b> Smooth, dark, with horizontal lines.</p>		<p><b>9 American Beech - at turn (R)</b> <i>Fagus grandifolia</i> <b>Leaf:</b> Coarse toothed and elliptical. <b>Fruit:</b> Small triangular nuts. <b>Bark:</b> Very smooth and light grey.</p>	
<p><b>10 Yellow Birch - before creek (L)</b> <i>Betula alleghaniensis</i> <b>Leaf:</b> Simple, double toothed. <b>Fruit:</b> Stout female cones &amp; slender male catkins. <b>Bark:</b> Shiny yellow with narrow peeling horizontal strips.</p>		<p><b>11 White Oak - in wall (L)</b> <i>Quercus alba</i> <b>Leaf:</b> Simple leaf with round lobes. <b>Fruit:</b> Oval acorn with a cup-like cap. <b>Bark:</b> Very light colored</p>		<p><b>12 Eastern Hemlock - grove (R)</b> →Succumbing to Woolly Adelgid <i>Tsuga canadensis</i> <b>Leaf:</b> One half inch needles with white stripe below. <b>Fruit:</b> Cones less than one inch. <b>Bark:</b> Dark and rough.</p>	
<p><b>13 Tulip Poplar - at turn (L)</b> →Note Damage from Lightening <i>Liriodendron tulipifera</i> <b>Leaf:</b> 4 pointed leaf resembling a tulip flower. <b>Fruit:</b> Upright clusters single winged. <b>Bark:</b> Light grey and often white in grooves.</p>		<p><b>14 Black Oak - (R)</b> <i>Quercus velutina</i> <b>Leaf:</b> Alternate, hairy with 5 to 7 lobes. <b>Fruit:</b> Acorn, cap is cup-shaped covering half the acorn. <b>Bark:</b> Dark, rough, blocky.</p>		<p><b>15 Mockernut Hickory - (L)</b> <i>Carya tomentosa (alba)</i> <b>Leaf</b> Pinnate, compound with 7-9 leaflets, very hairy underneath <b>Flowers</b> Tiny hanging clusters of three catkins <b>Fruit</b> Large, round, green → brown, husk splits in 4 when ripe <b>Bark</b> Grey and furrowed</p>	
<p><b>16 Red Oak - (L)</b> <i>Quercus rubra</i> <b>Leaf:</b> Alternate hairless, simple, lobed. <b>Fruit:</b> Acorn, cap is flat and saucer-like. <b>Bark:</b> Dark with lighter broad shiny vertical strips.</p>		<p><b>17 American Hornbeam - (L)</b> → across bridge - around 2<sup>nd</sup> tree <i>Carpinus caroliniana</i> <b>Leaf:</b> Egg-shaped double toothed with thin twigs. <b>Fruit:</b> Tiny nuts and catkins. <b>Bark:</b> Smooth, grey muscular looking (aka 'musclewood')</p>		<p><b>18 White Ash - in bushes (L)</b> →Succumbing to Emerald Ash Borer <i>Fraxinus americana</i> <b>Leaf:</b> Opposite compound with 5 to 9 leaflets. <b>Fruit:</b> Single winged and elongated. <b>Bark:</b> Deeply furrowed.</p>	