



VILLAGE PLANTING GUIDE





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Introduction

Settled in 1895, Pinehurst has become well known for its picturesque landscapes. From the beginning, the Tufts family worked closely with renowned landscape architects Frederick Law Olmsted, Sr. and Warren Manning to create a naturalistic and romantic approach to Pinehurst's landscape design. While Olmsted created the original design for Pinehurst, Manning implemented it. Space was designed informally with plants, rather than structures, to give a landscape its character and appeal through color, texture, and seasonal change.

Interestingly, of the ninety-six plant species that Manning originally ordered, collected, or propagated for Pinehurst, only 25% were native to North Carolina. The rest were exotics from around the world, including Japan, China, Chile, North Africa, Algeria, and the Pacific. Relying primarily on exotic species, in Pinehurst Manning created the appearance of a "wild garden", choosing shrubs with loose, coarse, mounding and/or sprawling habits.

Warren Manning continued to work with the Tufts family as Pinehurst's single landscape architect for forty-six years, establishing Pinehurst as an example of resort and community planning. Manning's sustained involvement, along with the continued use of native hollies, magnolias, cedars, and other evergreen trees and shrubs in later developed areas, has preserved the integrity of Olmsted's original vision. This attention to preservation enabled Pinehurst to receive National Historic Landmark designation in 1996.



Manning's sand and clay pedestrian path with a "wild garden" buffer, Pinehurst, ca 1910. Source: Tufts Archives.

How to Use This Guide

Warren Manning's designs gave the Village and resort year-round appeal. While it is not necessary to recreate Manning's landscape designs in modern-day Pinehurst, it is important to maintain historical integrity and show respect for the wisdom of Manning's life work. Accordingly, landscapes in Pinehurst should recognize Pinehurst's history and capture Manning's design philosophy using a naturalistic, romantic approach.

This guide, derived from Manning's original plant list and the Plant Database created by the NC State University Cooperative Extension, is divided into sections including tall trees, small trees/shrubs, small shrubs, vines and groundcover, herbs and wildflowers, ornamental grasses, bulbs, and summer annuals. The guide provides the common names of plants as well as their Latin names, and provides information about soil/light requirements and value to wildlife as a food source. The guide also indicates whether the plants are deer resistant, drought tolerant, evergreen, and/or native to the Sandhills. Plants from Manning's original plant list are marked with an asterisk (*).

Planting Guide Key

Soil moisture: **W** = wet; **M** = moist; **D** = dry

Light requirements: **F** = full sun; **P** = partial shade; **S** = shade

Wildlife Value: **C** = winter cover; **F** = fleshy fruit; **S** = hard mast, seed or catkin; **H** = Hummingbird nectar; **N** = butterfly and other insect nectar; **L** = butterfly larvae host plant

In addition, when planning streetscape plantings in the Village of Pinehurst, please consider the following:

- **Landscape Character** – Refer to the list contained in this guide for suggested plant selections. The selected plant materials should also fit the existing landscape.
- **Visibility/Safety** – Plantings within site triangles or that could otherwise pose safety risks should be avoided. In these situations, low plantings should be used so that drivers' sight lines are not obscured.
- **Maintenance** – Plants should be manageable from both a fiscal and a man-power perspective.

Tall Trees (> 30')								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
American Beech	<i>Fagus grandifolia</i>	M	P-S	S				✓
American Elm	<i>Ulmus americana</i>	M	F-P	S,L				✓
American Holly*	<i>Ilex opaca</i>	W-D	F-S	C,F,N,L	✓		✓	✓
Arizona cypress	<i>Cupressus arizonica</i>	M-D	F-P	C	✓	✓	✓	
Atlantic White Cedar	<i>Chamaecyparis thyoides</i>	W-M	F-P	C,L				✓
Atlas Cedar*	<i>Cedrus atlantica</i>	M	F-P	C			✓	
Bald Cypress*	<i>Taxodium distichum</i>	W-D	F-P	S	✓	✓		✓
Basswood	<i>Tilia americana</i>	M	F-S	S,N,L				✓
Black Cherry	<i>Prunus serotina</i>	M-D	F	F,N,L				✓
Black Locust	<i>Robinia pseudoacacia</i>	M-D	F-P	S,L				✓
Black Oak	<i>Quercus velutina</i>	M-D	F-P	S,L				✓
Blackgum	<i>Nyssa sylvatica</i>	M	F-P	F				✓
Cherrybark Oak	<i>Quercus pagoda</i>	M	F-P	S,L				✓
Chinese Fir*	<i>Cunninghamia lanceolata</i>	W-M	F-S				✓	✓
Deodar Cedar	<i>Cedrus deodora</i>	M-D	F-P		✓		✓	
Eastern Red Cedar*	<i>Juniperus virginiana</i>	D	F	C,F,L	✓		✓	✓
Green Ash	<i>Fraxinus pennsylvanica</i>	W-M	F-P	S,L				✓
Honeylocust	<i>Gleditsia triacanthos</i>	W-D	F		✓			
Live Oak*	<i>Quercus virginiana</i>	W-D	F	S,L	✓		✓	✓
Loblolly Pine	<i>Pinus taeda</i>	W-D	F	C,S,L				✓
Longleaf Pine*	<i>Pinus palustris</i>	M-D	F	C,S	✓		✓	✓
Mockernut Hickory	<i>Carya tomentosa or C. alba</i>	D	F-S	S,L				✓
Persimmon	<i>Diospyros virginiana</i>	M-D	F-P	F				✓
Pignut Hickory	<i>Carya glabra</i>	D	F-S	S,L				✓
Pond Pine	<i>Pinus serotina</i>	W-M	P	C,S				✓
Post Oak	<i>Quercus stellata</i>	D	F	S,L				✓
Red Maple	<i>Acer rubrum</i>	W-D	F-P	S				✓

Tall Trees (> 30')								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Red Oak	<i>Quercus rubra</i>	M	F-P	S,L				✓
River Birch	<i>Betula nigra</i>	W-D	F	S,L	✓			✓
Scarlet Oak	<i>Quercus coccinea</i>	D	F-P	S,L				✓
Shagbark Hickory	<i>Carya ovata</i>	M-D	F-S	S				✓
Shortleaf Pine	<i>Pinus echinata</i>	D	F-P	C,S,L	✓		✓	✓
Sourwood*	<i>Oxydendrum arboreum</i>	D	F-S	N				✓
Southern Magnolia*	<i>Magnolia grandiflora</i>	M	P-S	C,S	✓		✓	✓
Southern Red Oak	<i>Quercus falcata</i>	M-D	F-P	S,L				✓
Southern Sugar Maple	<i>Acer floridanum</i>	M	F-S	S				✓
Sugarberry	<i>Celtis laevigata</i>	M	F-S	F,L				✓
Swamp Chestnut Oak	<i>Quercus michauxii</i>	M	F-P	S,L				✓
Sweetbay*	<i>Magnolia virginiana</i>	W-M	F-P	S,L	✓		✓	✓
Sweetgum	<i>Liquidambar styraciflua</i>	W-M	F-P	S	✓			✓
Sycamore	<i>Platanus occidentalis</i>	W-M	F-P	S				✓
Water Oak*	<i>Quercus nigra</i>	M-D	F-P	S,L				✓
White Oak	<i>Quercus alba</i>	M-D	F-P	S,L				✓
Willow Oak*	<i>Quercus phellos</i>	W-M	F-P	S,L				✓
Yellow Poplar	<i>Liriodendron tulipifera</i>	M	F-P	S,H,N,L				✓

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant

Small Trees/Shrubs (10-30 ft)								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Alder	<i>Alnus serrulata</i>	W-M	F-P	S,L				✓
Black Haw	<i>Viburnum prunifolium</i>	M	F-S	F,L				✓
Black Willow	<i>Salix nigra</i>	W-M	F-S	L				✓
Buckwheat Tree, Titi	<i>Cliftonia monophylla</i>	W-M	F-P	F,N			✓	✓
Carolina Laurel Cherry*	<i>Prunus caroliniana</i>	M-D	F-P	C,F,N	✓		✓	✓
Carolina Silverbell	<i>Halesia carolina</i>	M	P-S	N	✓			✓
Carolina Willow	<i>Salix caroliniana</i>	W-M	F-S	L				✓
Chickasaw Plum	<i>Prunus angustifolia</i>	D	F	F,N,L				✓
Chinese Holly	<i>Ilex cornuta</i>	W-D	F	N	✓	✓	✓	
Chinquapin	<i>Castanea pumila</i>	D	F-P	S				✓
Crepe Myrtle	<i>Lagerstroemia indica</i>	M-D	F-P		✓	✓		
Devil's Walking Stick	<i>Aralia spinosa</i>	M	F-P	F,N				✓
Eastern redbud	<i>Cercis canadensis</i>	M-D	F-P	S,N				✓
Elderberry	<i>Sambucus canadensis</i>	W-M	F-P	F				✓
Flowering Dogwood	<i>Cornus florida</i>	M-D	F-P	F,N,L				✓
Fortune's Tea Olive*	<i>Osmanthus x fortunei</i>	M	F-S			✓	✓	
Fragrant Tea Olive*	<i>Osmanthus fragrans</i>	M	F-P		✓	✓	✓	
Goldenrain Tree	<i>Koelreuteria paniculata</i>	W-D	F-P		✓	✓		
Hackberry	<i>Celtis laevigata</i>	D	F-P	F,L				✓
Hawthorn	<i>Crataegus spp.</i>	M	F-S	F,H,N,L	✓			✓
Hophorn-beam	<i>Ostrya virginiana</i>	M-D	F-S	F,L				✓
Ironwood	<i>Carpinus caroliniana</i>	W-M	P-S	S,L				✓
Juneberry/ Serviceberry	<i>Amelanchier canadensis</i>	W-D	F-P	F,N,L				✓
Kousa Dogwood	<i>Cornus kousa</i>	M-D	F-P		✓			
Mountain Ash	<i>Sorbus americana</i>	M	F-P	F				✓

Small Trees/Shrubs (10-30 ft)								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Painted Buckeye	<i>Aesculus sylvatica</i>	M	P	H				✓
Pawpaw	<i>Asimina triloba</i>	M	F-S	F,L				✓
Possumhaw	<i>Ilex decidua</i>	W-D	F-P	F,N,L				✓
Red Buckeye	<i>Aesculus pavia</i>	M	P	H	✓			✓
Red Mulberry	<i>Morus rubra</i>	M-D	F-S	F,L				✓
Redbay	<i>Persea borbonia</i>	W-M	F-S	C,F,L				✓
Rusty Blackhaw	<i>Viburnum rufidulum</i>	D	F-S	F,L				✓
Sassafras	<i>Sassafras albidum</i>	M-D	F-P	F,L				✓
Serviceberry	<i>Amelanchier arborea</i>	M-D	F-S	F,N,L				✓
Silky Dogwood	<i>Cornus amomum</i>	W-M	P-S	F,N,L				✓
Smooth Sumac	<i>Rhus glabra</i>	M-D	F-P	F,N,L				✓
Sweetleaf/ Horsesugar	<i>Symplocos tinctoria</i>	M-D	F-S	S,N,L				✓
Titi	<i>Cyrilla racemiflora</i>	W-M	F-S	C,N				✓
Wax Myrtle	<i>Myrica cerifera</i>	W-D	F-P	C,F,L	✓		✓	✓
Wild Plum	<i>Prunus americana</i>	M-D	F	F,N				✓
Winged Sumac	<i>Rhus copallina</i>	M-D	F-P	F,N,L				✓
Winterberry	<i>Ilex verticillata</i>	W-M	F-S	F,N,L				✓
Witch-hazel	<i>Hamamelis virginiana</i>	M	F-S	S	✓			✓
Yaupon	<i>Ilex vomitoria</i>	W-D	F-S	C,F,N,L	✓	✓		✓

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Small Shrubs (< 10')								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Anise shrub*	<i>Illicium parviflorum</i>	W-D	F-P		✓	✓	✓	
Banana Shrub*	<i>Michelia figo</i>	M-D	F-P			✓	✓	✓
Beautyberry	<i>Callicarpa americana</i>	M-D	F-S	F	✓			✓
Blackberry/Dewberry*	<i>Rubus spp.</i>	M-D	F-P	C,F,S,N				✓
Boxleaf honeysuckle*	<i>Lonicera nitida</i>	M	F-P	F		✓	✓	
Butterfly Bush	<i>Buddleia davidii</i>	M	F	N,L	✓	✓		
Buttonbush	<i>Cephalanthus occidentalis</i>	W-M	F-P	S,H,N				✓
Cleyera (japonica)*	<i>Ternstroemia gymnanthera</i>	M-D	F-P				✓	
Deerberry	<i>Vaccinium stamineum</i>	D	F-P	F,N,L				✓
Deutzia	<i>Deutzia crenata</i>	M-D	F-P		✓	✓		
Doghobble	<i>Leucothoe axillaris</i>	W-M	F-P	C,N				✓
Dwarf Azalea	<i>Rhododendron atlanticum</i>	W-D	F-P	H,N				✓
Dwarf gardenia*	<i>Gardenia jasminoides 'Radicans'</i>	M-D	F-P		✓	✓	✓	
Dwarf Huckleberry	<i>Gaylussacia dumosa</i>	M-D	F-P	F,N,L				✓
Dwarf Locust	<i>Robinia nana</i>	D	F-P	C,S,L				✓
Elegans cryptomeria*	<i>Cryptomeria japonica 'Elegans Nana'</i>	M	F-P					
Fetterbush	<i>Lyonia lucida</i>	M	P-S	C,N				✓
Flowering quince	<i>Chaenomelea speciosa</i>	W-D	F-P		✓	✓		
Glossy abelia	<i>Abelia x grandiflora</i>	M	F-P		✓	✓	✓	
Hazelnut	<i>Corylus americana</i>	M	F-S	S				✓
Highbush Blueberry	<i>Vaccinium corymbosum</i>	M	F-P	F,N,L				✓
Holly Tea Olive	<i>Osmanthus heterophyllus</i>	M	F-P		✓	✓	✓	
Huckleberry	<i>Gaylussacia frondosa</i>	M	F-P	F,N,L				✓
Inkberry	<i>Ilex glabra</i>	M	F-P	C,F,N,L				✓

Small Shrubs (< 10')								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Japanese Anise Tree	<i>Illicium anisatum</i>	M	P				✓	
Japanese barberry	<i>Berberis thunbergii</i>	M-D	F-P		✓	✓		
Japanese Camellia*	<i>Camellia japonica</i>	M	P	C			✓	
Japanese Plum Yew*	<i>Cephalotaxus harringtonia</i>	M-D	P-S	C	✓	✓	✓	
Junipers	<i>Juniperus spp.</i>	M-D	F		✓	✓	✓	
Large Gallberry*	<i>Ilex coriacea</i>	M	F-P	C,F,N,L				✓
Leatherleaf Mahonia*	<i>Mahonia bealei</i>	M	P	F,N		✓	✓	
Leucothoe	<i>Leucothoe racemosa</i>	M	P-S	C,N,L	✓		✓	✓
Littleleaf cotoneaster*	<i>Cotoneaster microphyllus</i>	M-D	F-P			✓		
Loropetalum	<i>Loropetalum chinense</i>	M	F-P		✓	✓	✓	
Lowbush Blueberry	<i>Vaccinium vacillans</i>	D	F-P	F,N,L				✓
Mountain Laurel	<i>Kalmia latifolia</i>	M-D	F-S	H,N				✓
New Jersey Tea	<i>Ceanothus americanus</i>	M-D	P-S	S,N,L				✓
Oregon Grape Holly*	<i>Mahonia aquifolium</i>	M	P			✓	✓	
Pinxter Azalea/ Wild Azalea/Pink Azalea*	<i>Rhododendron periclymenoides</i>	W-M	F-P	H,N				✓
Red Chokeberry	<i>Aronia arbutifolia</i>	W-M	F-S	F,L				✓
Sandankwa viburnum*	<i>Viburnum suspensum</i>	D	F-P	C,F			✓	✓
Sparkleberry	<i>Vaccinium arboreum</i>	D	F-P	C,F,N,L				✓
Spicebush	<i>Lindera benzoin</i>	M-D	F-S	F,L				✓
Spirea	<i>Spirea spp.</i>	M	F-P		✓			
Staggerbush	<i>Lyonia mariana</i>	M	P-S	C,L				✓
Strawberry-bush	<i>Euonymus americanus</i>	M	P-S	S				✓
Swamp Azalea	<i>Rhododendron viscosum</i>	M	P-S	C,H,N				✓
Sweet Pepperbush	<i>Clethra alnifolia</i>	W	F-S	F,H,N				✓

Small Shrubs (< 10')								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Sweet shrub	<i>Calycanthus floridus</i>	M	F-P		✓	✓		
Virginia Willow/Sweetspire	<i>Itea virginica</i>	W-M	P-S	S,N				✓
Wild Hydrangea	<i>Hydrangea arborescens</i>	M	P-S	S,N				✓
Wild Raisin	<i>Viburnum nudum</i>	W-M	F-S	F,L		✓		✓
Winter Jasmine*	<i>Jasminum nudiflorum</i>	M-D	F-P			✓		✓
Wintergreen barberry	<i>Berberis julianae</i>	W-D	F-P		✓	✓	✓	
Yucca	<i>Yucca spp.</i>	W-D	F-P		✓	✓	✓	

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant



Manning's sand and clay path with "wild garden" buffer, Pinehurst, ca 1910.
Source: Tufts Archives

Vines and Groundcover								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Ajuga	<i>Ajuga reptans</i>	M	P-S	C,N	✓		✓	
Big Leaf Periwinkle*	<i>Vinca major</i>	M-D	P-S	C	✓		✓	
Butterfly Pea	<i>Clitoria mariana</i>	D	F-P	S,N,L				✓
Carolina Jessamine*	<i>Gelsemium sempervirens</i>	M	F-P	H,N	✓			✓
Cherokee Rose*	<i>Rosa laevigata</i>	W-D	F-P					
Confederate Jasmine	<i>Trachelospermum jasminoides</i>	M	P		✓		✓	
Coral Honeysuckle	<i>Lonicera sempervirens</i>	M	F-P	H	✓			✓
Crossvine*	<i>Bignonia capreolata</i>	M-D	F-P	H	✓			✓
Dwarf Periwinkle*	<i>Vinca minor</i>	M-D	P-S	C	✓		✓	
Five Leaf Akebia*	<i>Akebia quinata</i>	D	F-P					
Grape	<i>Vitis spp.</i>	W-D	F-P	F				✓
Greenbrier	<i>Smilax spp.</i>	W-D	F-P	C,F				✓
Monda grass	<i>Ophiopogon japonicus</i>	M-D	F-S		✓		✓	
Naked Tick-trefoil	<i>Desmodium nudiflorum</i>	D	F-P	S,N,L				✓
Pachysandra	<i>Pachysandra terminalis</i>	M-D	P-S		✓		✓	
Passion-flower	<i>Passiflora incarnata</i>	M-D	F-P	H,N,L				✓
Peppervine	<i>Ampelopsis arborea</i>	W-M	F-P	F				✓
Pine Barren Tick-trefoil	<i>Desmodium strictum</i>	D	F-P	S,N,L				✓
Rosemary	<i>Rosmarinus officinalis</i>	M	F-P		✓	✓	✓	
Spurred Butterfly Pea	<i>Centrosema virginianum</i>	D	F-P	S,N,L				✓
Tick-trefoil	<i>Desmodium tortuosum</i>	D	F-P	S,N,L				✓
Trumpet-creeper	<i>Campsis radicans</i>	M-D	F-P	H				✓
Virginia Creeper	<i>Parthenocissus quinquefolia</i>	M-D	F-S	F				✓

Ferns								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Southern Maidenhair Fern	<i>Adiantum capillus-vereris</i>	M	P-S		✓			
Lady Fern	<i>Athyrium filix-femina</i>	M	P-S		✓			
Holly Fern	<i>Cyrtomium fortunei</i>	M	P		✓			
Royal Fern	<i>Osmunda regalis</i>	W	P-S		✓			
Tassel Fern	<i>Polystichum ployblepharum</i>	M	P-S		✓			
Southern Shield Fern	<i>Thelpteris kunthii</i>	M-D	S-P		✓	✓		
Christmas Fern	<i>Polystichum acrostichoides</i>	M	S-P	C	✓			✓
Cinnamon Fern	<i>Osmunda cinnamomea</i>	W-M	S-P	C,L	✓			✓

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Manning's sand and clay path with "wild garden" buffer, Pinehurst, ca 1910.
Source: Tufts Archives

Herbs and Wildflowers								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Beggarlice	<i>Desmodium spp.</i>	M-D	F-P	S,L				✓
Bird-foot Violet	<i>Viola pedata</i>	D	F-P	L				✓
Black-eyed Susan	<i>Rudbeckia hirta</i>	M-D	F	S,N				✓
Blazing Star	<i>Liatris spicata</i>	W-M	F	N				✓
Blue Lobelia	<i>Lobelia puberula</i>	W-D	F-P	H,N				✓
Blue Phlox	<i>Phlox divaricata</i>	M	P-S	N				✓
Blue Ridge Gayfeather	<i>Liatris regimontis</i>	D	F-P	N,L				✓
Bluets	<i>Houstonia caerulea</i>	M-D	F-S	N				✓
Butterfly Weed	<i>Asclepias tuberosa</i>	D	F-P	N,L				✓
Cardinal Flower	<i>Lobelia cardinalis</i>	W-M	F-S	H,N	✓			✓
Carolina Phlox	<i>Phlox carolina</i>	W-D	F-P	N				✓
Clasping Milkweed	<i>Asclepias amplexicaulis</i>	D	F-P	N,L				✓
Columbine	<i>Aquilegia canadensis</i>	M-D	P-S	S,H,N	✓			✓
Common Morning Glory	<i>Ipomea purpurea</i>	D	F	S,H,N				✓
Crested Iris	<i>Iris cristata</i>	M	P-S	H				✓
Dwarf Iris	<i>Iris verna</i>	M-D	F-P	H				✓
Eared Coreopsis	<i>Coreopsis auriculata</i>	M	F-P	S,N	✓			✓
Fire Pink	<i>Silene virginica</i>	M-D	P-S	S,H,N				✓
Flowering Spurge	<i>Euphorbia corollata</i>	M-D	F-P	S,N				✓
Goat's Rue	<i>Tephrosia virginiana</i>	D	F-P	S,L				✓
Goldenrod	<i>Solidago spp.</i>	M-D	F-P	S,N				✓
Grass-leaf Gayfeather	<i>Liatris graminifolia</i>	D	F-P	N,L	✓			✓
Hairy Beardtongue	<i>Penstemon canescens</i>	M-D	F-P	H,N,L				✓
Hemp Dogbane	<i>Apocynum cannabinum</i>	M-D	F-P	N				✓
Horsemint	<i>Monarda punctata</i>	D	F-P	H,N				✓

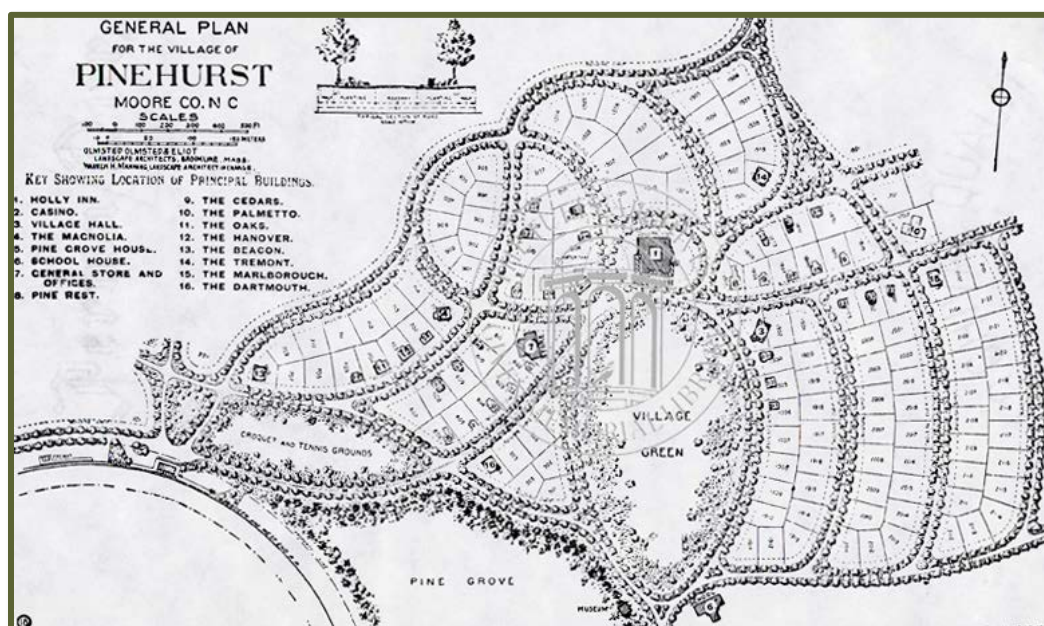
Herbs and Wildflowers								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Jack-in-the-Pulpit	<i>Arisaema triphyllum</i>	W-M	P-S	F				✓
Jewelweed	<i>Impatiens capensis</i>	W-M	P-S	H,N				✓
Joe-pye-weed	<i>Eupatorium fistulosum</i>	M	F	S,N,L	✓			✓
Lance-leaved Coreopsis	<i>Coreopsis lanceolata</i>	D	F	S,N	✓			✓
Lyreleaf Sage	<i>Salvia lyrata</i>	M-D	F-S	H,N	✓			✓
Moss Pink	<i>Phlox subulata</i>	D	F	N				✓
Narrow-leaved Coreopsis	<i>Coreopsis angustifolia</i>	M	F-P	S,N	✓			✓
Orange Coneflower	<i>Rudbeckia fulgida</i>	M	F	S,N				✓
Ox-eye	<i>Heliopsis helianthoides</i>	M-D	F-P	S,N				✓
Partridge Pea	<i>Chamaecrista fasciculata</i>	M-D	F	S,L				✓
Partridge-berry	<i>Mitchella repens</i>	M	F-S	F				✓
Pine Barrens Gentian	<i>Gentiana autumnalis</i>	D	F-P	N				✓
Pokeweed	<i>Phytolacca americana</i>	M-D	F	F,S				✓
Prairie Phlox	<i>Phlox pilosa</i>	D	F-P	N				✓
Primrose-leaved Violet	<i>Viola primulifolia</i>	D	F-P	N,L				✓
Queen's Root	<i>Stillingia sylvatica</i>	D	F-P	S,N				✓
Red Morning Glory	<i>Ipomea coccinea</i>	D	F	S,H,N				✓
Rose Mallow	<i>Hibiscus moscheutos</i>	M	F-P	H,N				✓
Sandhills Milkweed	<i>Asclepias tomentosa</i>	D	F-P	N,L				✓
Sandhills Thistle	<i>Cirsium repandum</i>	M-D	F-P	S,H,N,L				✓
Sandy-woods Chaffhead	<i>Carphephorus bellidifolius</i>	D	F-P	N,L				✓
Smooth Beardtongue	<i>Penstemon laevigatus</i>	M	F-S	H,N,L				✓
Speedwell	<i>Veronica persica</i>	M-D	F-P		✓	✓		
St. Andrew's Cross	<i>Hypericum hypericoides</i>	D-M	F-P	S,N				✓

Herbs and Wildflowers								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Standing Cypress	<i>Ipomopsis rubra</i>	D	F	H,N				✓
Sundrops	<i>Oenothera fruticosa</i>	M-D	F-P	S,H,N				✓
Swamp Milkweed	<i>Asclepias incarnata</i>	W-M	F-P	N,L				✓
Swamp Sunflower	<i>Helianthus angustifolius</i>	W-M	F	S,N				✓
Threadleaf Coreopsis	<i>Coreopsis verticillata</i>	D	F-P	S,N	✓			✓
White Milkweed	<i>Asclepias variegata</i>	M-D	F-P	N,L				✓
Wood Vetch	<i>Vicia caroliniana</i>	D	F-P	S,L				✓
Yellow Thistle	<i>Cirsium horridulum</i>	M-D	F	S,H,N,L				✓
Yellow Wild Indigo	<i>Baptisia tinctoria</i>	D	F-P	L				✓

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant



General Plan for the Village of Pinehurst from Olmsted, Olmsted, & Eliot, ca 1895.

Source: Tufts Archives

Ornamental Grasses – most ornamental grasses are considered deer resistant

Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Brushy Bluestem	<i>Andropogon glomeratus</i>	M	F	C,S,L				✓
Fountain grass	<i>Pennisetum alopecuroides</i>	M-D	F-P		✓	✓		
Indiangrass	<i>Sorghastrum nutans</i>	M-D	F	C,S				✓
Maiden grass	<i>Miscanthus sinensis</i> "Gracillimus"	M-D	F-P		✓	✓		
Pampas grass	<i>Cortaderia selloana</i>	W-D	F-P		✓	✓		
Pink Muhly Grass	<i>Muhlenbergia capillaris</i>	M-D	F-P		✓	✓		
Splitbeard Bluestem	<i>Andropogon ternarius</i>	D	F	C,S,L				✓
Switchcane	<i>Arundinaria gigantea</i>	W-D	F-S	C,S,L				✓
Switchgrass	<i>Panicum virgatum</i>	M	F-P	C,S,L	✓			✓
Wiregrass	<i>Aristida stricta</i>	D	F-P	C,S				✓

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant



Manning's sand and clay path with "wild garden" buffer, Pinehurst, ca 1910.

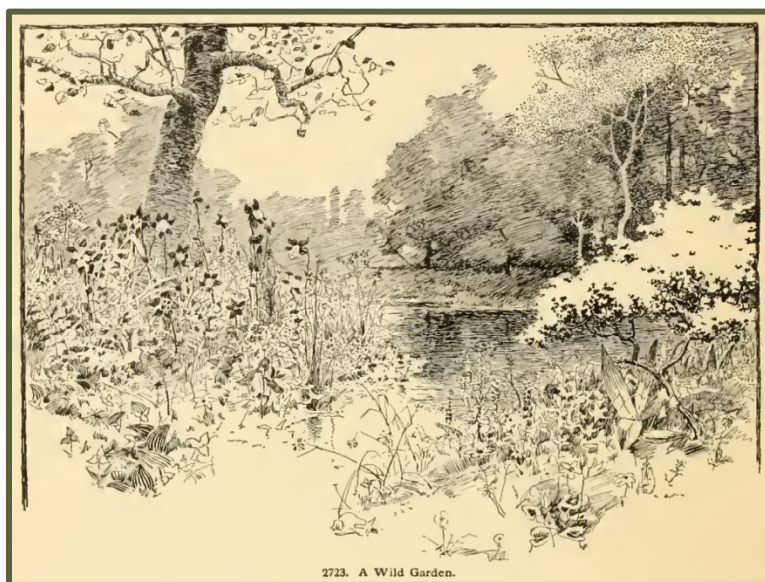
Source: Tufts Archives

Bulbs								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Amaryllis	<i>(Perennial, Spring and Summer options)</i>				✓			
African Lily (Summer bulb)	Agapanthus	M	F-P	H	✓			
Crinum Lily (Perennial Bulb)	<i>Crinum spp.</i>	M	F-P		✓	✓		
Crocasmias (Summer bulb)	<i>Crocasmia</i>	M	F-P		✓			
Daffodils	<i>(Perennial, Spring and Summer options)</i>				✓			
Oxalis (Summer bulb)	<i>Oxalis</i>	M	F-P		✓			
Scillas	<i>(Perennial and Spring options)</i>				✓			

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant



Sketch for Manning's article "Wild Garden" in Cyclopedia of American Horticulture, 1906.

Source: John Milner Associates, Inc.

Perennials								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Artemisia	<i>Artemisia spp.</i>	D	F		✓			
Aster	<i>Aster spp.</i>	M-D	F		✓			
Bee Balm	<i>Monarda didyma</i>	W-M	F-P	H,N	✓			
Blanket Flower	<i>Gaillardia x grandiflora</i>	D	F		✓			
Blue Star	<i>Amsonia tabernaemontana</i>	M	F-P		✓			✓
Butterfly-weed	<i>Aesclepias tuberosa</i>	M-D	F-P	N	✓			✓
Catmint	<i>Nepeta spp.</i>	M-D	F		✓			
Dianthus	<i>Dianthus spp.</i>	M-D	F		✓			
Gaura	<i>Gaura lindheimeri</i>	M-D	F-P		✓	✓		✓
Lambs Ear	<i>Stachys byzantina</i>	M-D	F-P		✓	✓		
Lantana	<i>Lantana spp.</i>	M	F	N	✓			
Lenten Rose	<i>Helleborus orientalis</i>	M	P-S		✓			
Mint	<i>Mentha spp.</i>	M	F-P		✓			
Peony	<i>Paeonia spp.</i>	M	F-P		✓			
Purple Coneflower	<i>Echinacea purpurea</i>	M-D	F-P		✓	✓		
Red Hot Poker	<i>Kniphofia uvaria</i>	M-D	F		✓			
Rose Campion	<i>Lychnis coronaria</i>	M-D	F-P		✓			
Rosemary	<i>Rosemarinus officinalis</i>	M-D	F-P		✓	✓		
Russian Sage	<i>Perovskia atriplicifolia</i>	M-D	F		✓		✓	
Speedwell	<i>Veronica persica</i>	M-D	F-P		✓	✓		
Yarrow	<i>Achillea spp.</i>	M-D	F		✓	✓		

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant

Summer Annuals								
Common Name	Latin Name	Soil/Light (1)	Light	Wildlife Value(2)	Deer Resistant	Drought Tolerant	Evergreen	Native to Sandhills
Ageratum	<i>Ageratum houstonianum</i>	M-D	F-P	N	✓	✓		
Begonia	<i>Begonia</i>	M-D	F-P		✓			
Coleus	<i>Coleus</i>	M	F-P		✓			
Dusty Miller	<i>Centaurea cineraria</i>	M-D	F-P		✓	✓		
Flowering Tobacco	<i>Nicotiana x sanderae</i>	W-D	F		✓	✓		
Marigold	<i>Tagetes spp.</i>	M-D	F		✓	✓		
Melampodium	<i>Melampodium paludosum</i>	M-D	F		✓	✓		
Ornamental peppers	<i>Capsicum annuum</i>	M	F-P		✓	✓		
Pentas	<i>Pentas lanceolata</i>	M-D	F		✓	✓		
Petunias	<i>Petunia x hybrida</i>	M-D	F-P		✓	✓		
Scarlet Sage	<i>Salvia splendens</i>	W-D	F-P		✓			
Verbena	<i>Verbena spp.</i>	M-D	F		✓			
Vinca	<i>Catharanthus roseus</i>	M-D	F-P		✓	✓		
Zinnias	<i>Zinnia elegans</i>	M-D	F		✓	✓		

Soil moisture: W = wet; M = moist; D = dry

Light requirements: F = full sun; P = partial shade; S = shade

Wildlife Value: C = winter cover; F = fleshy fruit; S = hard mast, seed or catkin; H = Hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant

References

_____, "An Oasis in the Desert", *The Pinehurst Outlook*, December 4, 1909.
http://newspapers.digitalnc.org/lccn/sn91068725/1909-12-04/ed-1/seq-14/print/image_622x817_from_0,0_to_4791,6291/

Hood, David Foard. National Historic Landmark Nomination, Pinehurst Historic District, 1993.

Milner, John & Associates. "Historic Consultant Services for the Village of Pinehurst, Task #2 Report", 2012.

NC State University Cooperative Extension. "Plant Database", 2015. <http://plants.ces.edu/>

Tufts Archives, Given Memorial Library, Pinehurst, NC.

AN OASIS IN THE DESERT

Transformation of the Sand Hill Region Was a Gigantic Task.

Interesting Comparative Lists Showing Shrubs Planted and Those Which Have Survived.

CERTAINLY nothing speaks more forcibly of the thought and care bestowed upon the Village than the trees, shrubs, vines and plants which transform what was once a portion of the great "sand hill desert" of North Carolina, into an oasis of luxuriant color and fragrance; an undertaking the difficulties of which, few even vaguely comprehend.

When the late James W. Tufts settled upon the site because of the acknowledged superiority of its climate and natural advantages, he set about the beautification of the Village-to-be in the same systematic and comprehensive manner which characterized his business career, and so thoroughly organized and carefully planned was the work that it has since gone steadily forward on the original lines. With him it was always the best and he considered things in both detail and mass and because his mind pictured clearly the ideal, he was able to achieve, for he possessed both force and capital.

One of the very first steps after planning the Village, was the establishment of a Nursery for experimentation and production, and undismayed by difficulties arising from unfavorable conditions of soil, success was achieved for a task which seemed hopeless in the eyes of all but the few who comprehended, among them Mr. Warren H. Manning, the landscape architect, whose services were invaluable.

In this connection a comparison of the list of shrubs, etc., originally ordered and planted, with one showing those existing today, is of interest; the former supplied by the landscape architects and the latter by Miss Elizabeth Olney who has made a careful study of the subject.

ORIGINALLY ORDERED.
The full original order, printed below, gives a clear idea of the extent of the territory drawn upon, and its completeness:

- Akebia quinata Anuromeda mariana (Stagger bushy)
- Andromeda nitida Azalea indica
- Berberis illicifolia Bignonia capreolata (Cross vine)
- Bupleurum fruticosum Buxus abrotencens (Tree box)
- Camelia japonica Cedrus atlantica
- Cedrus deodara Cephalotaxus fortunei (Dopar cedar)
- Cistus algarvensis Cleyera japonica
- Cliftonia ilgustrina Cotoneaster microphylla
- Crataegus dentata Crataegus pyracantha (Evergreen thorn)
- Crataegus glabra Cryptomeria japonica (Japan cedar)
- Cryptomeria elegans Cupressus fastigiata
- Cunninghamia sinensis Cupressus lawsoniana (Cypress)
- Daphne laureola Escallonia montevidensis
- Elaeagnus rediviva Eucalyptus japonica
- Eucalyptus japonica

- Euonymus radicans Gardenia Florida
- Gardenia fortunei Gardenia radicans
- Gelsemium sempervirens (Yellow jessamine) Genista juncea
- Genista scoparia Hedera helix (English ivy)
- Hedera helix regneriana Hedera helix hibernica (Irish ivy)
- Hypericum calycinum Hypericum moserianum (St. John's wort)
- Ilex aquifolium Ilex glabra (Gall berry)
- Ilex opaca (European holly) Ilex coriacea
- Ilex opaca (Holly) Ilicium anisatum (Anise tree)
- Jasminum nudiflorum Juniperus virginiana (Jessamine) (Red cedar)
- Laurus latifolia Bertini Laurus nobilis (Apollo's laurel)
- Ligustrum lucidum Ligustrum ovalifolium (California privet)
- Ligustrum sinense nanum (Dwarf Chinese privet) Limonia trifoliata (Hardy orange)
- Lonicera brachypoda Lonicera senebisi
- Magnolia glauca Magnolia grandiflora (Sweet bay) (Great flowered magnolia)
- Magnolia fuscata Mahonia aquifolium (Banana shrub) (Ash berry)
- Mahonia japonicum Olea fragrans (Sweet olive)
- Osmanthus illicifolius Oxydendron arboreum (Sourwood)
- Phillyrea angustifolia Phillyrea laurifolia
- Pinus excelsa Pinus laricio coralica (Corstean pine)
- Prunus caroliniana Prunus laurocerasus (Cherry laurel)
- Quercus laurifolium Quercus phellos (Willow oak)
- Quercus laevis (Live oak) Rosa bracteata (Cherokee rose)
- Rosa laevigata Rosa wichuriana (McCartney's rose)
- Rubus hispidus Skimmia oblata (Trailing blackberry)
- Smilax bona nox Smilax laurifolia (Cat briar)
- Smilax laurifolia Smilax Walteri
- Taxodium disticum Viburnum suspensum (Deciduous cypress)
- Vinca minor Vinca Major (Periwinkle)
- Yucca filamentosa (Bear grass)

EXISTING TO-DAY.

- The following may be counted upon as reasonably accurate, although Miss Olney modestly styles a "partial" list;
- Phillyrea angustifolia Sweet pepper bush
 - Oxydendron arboreum Sourwood
 - Deutzia Water oak
 - Quercus aquatica Globe flower
 - Corchorus japonicus Mulberry
 - Calliandra
 - Pinus piratae Italian stone pine
 - Pinus pinus Long-leaved or yellow pine
 - Pinus australis
 - Elaeagnus japonicus Thorn bush
 - Abelia rugostriata China tree
 - Cotoneaster microphylla Myrica cerifera
 - Euonymus radicans Myrica punctata Bayberry evergreen
 - Euonymus japonicus Japanese spindle tree
 - Buxus sinifruticosa Box
 - Ligustrum ovalifolium California privet
 - Ligustrum Chinese Chinese privet
 - Ligustrum Japanese privet
 - Citrus trifoliata Hardy orange or
 - Melia azedarach Thorn bush
 - Azalea indica China tree
 - Syringa vulgaris Purple lilac
 - Quercus nigra Black Jack
 - Quercus palustris Pin Oak
 - Smilax Walteri Bamboo briar
 - Smilax lanceolata Lance leaved smilax
 - Rhus Toxicodendron Poison oak or poison ivy
 - Liquidambar styraciflua Sweet Gum tree
 - Liriodendron tulipifera Tulip tree
 - Cercis canadensis Redbud or Judas tree
 - Acacia julibrissin Mimosa
 - Fothergilla alnifolia Dwarf alder
 - Fernus arbutifolia Choke berry
 - Cornus Florida Flowering dogwood

- Andromeda nitida Fetter bush
- Andromeda catesbyi Broom (Scotch)
- Genista scoparia Broom (dwarf)
- Genista juncea Honey suckle (white)
- Lonicera fragrantissima Japanese honeysuckle
- Lonicera brachypoda Honeysuckle (red)
- Lonicera sempervirens
- Akebia quinata
- Prunus caroliniana Mock cherry or Cherry laurel
- Ilex opaca Holly
- Ilex glabra Ink berry
- Ilex coriacea Tall gallberry
- Ilex cassine Taxpon
- Rosa wichuriana Memorial rose
- Paulownia imperialis
- Cydonia japonica Japan quince
- Olea americana American olive
- Rubus hispidus Britely locust
- Kalmia latifolia Mountain laurel
- Magnolia grandiflora Evergreen magnolia
- Yucca aloifolia Spanish bayonet
- Yucca filamentosa Adam's needle
- Magnolia glauca Sweet Bay magnolia
- Spiraea Bridal wreath
- Spiraea Van Houttei
- Spiraea japonica
- Mahonia fuscata Banana shrub
- Gardenia florida Cape jasmine
- Forsythia suspensa Golden bell
- Forsythia viridissima
- Jasminum nudiflorum Yellow Jasmine
- Gelsemium sempervirens Native jasmine
- Mahonia japonica
- Mahonia aquifolia
- Sassafras officinalis Sassafras tree
- Hypericum calycinum St. John's wort
- Symphoricarpos vulgaris Southern currant
- Persea caroliniana Red bay
- Cedrus deodara Deodar cedar
- Cedrus libani Cedar of Lebanon
- Pinus scottii
- Rosa bracteata McCartney's rose
- Rosa laevigata Cherokee rose
- Wistaria frutescens
- Hedera helix English Ivy
- Diospyros virginiana Persimmon tree
- Japanese arbor-vitae

HE'S GLAD TO GET BACK!

Golf Calendar Awakens an Echo in Hearts of Thousands.

"Gee! but I'm glad to get back to Pinehurst!" is the comment of Pinehurst's 1910 golf calendar lad, nine short words which awaken an echo in the hearts of each and every one of the thousands who now await the coming of this unique reminder each year. Here you have the whole story—"I'm glad to get back!"—and if you're not "back" a glow of recollection and anticipation will thrill you through and through.

Apparently the little chap has forgotten all about his determination to win the Championship, expressed last year, and bears young Standish no malice, for with sleeves rolled up and suspenders swinging from his hips—the warm sun upon his body and the crisp air in his nostrils—he's "killed" his first drive and is watching the ball as it scampers away in the distance.

Three hours of delight lie before him and he's feeling good all over—"glad to get back"—no doubt about that; and you rejoice with him.

At Village Bowling Alley.

The usual prizes are being offered at the Village Bowling Alley for high scores and team matches arranged with squads from surrounding towns. As usual the place is a favorite resort for visitors, many women among those who enjoy matinee bowling.

THE GLORY OF THE FALL.

Why Are so Many Visitors Willing to Lose Early Season Charms? To the Editor of The Pinehurst Outlook:

The "early comer" and the "late stayer" often wonders why it is that so many visitors to Pinehurst are willing to lose so much of its peculiar charm. In November the fall comes on as gently as a summer rain. The days when the mocking bird holds forth are the same of delight and bracing air, the summer flowers and foliage in their richest garb and profusion to be almost imperceptibly followed by the autumnal coloring of the deciduous trees and shrubs of such reds, yellows and browns, a perfect symphony of color as might come from enchantment. No cold fall winds here to strip the trees of their bewitching shades in their infancy, but instead, they seem to realize their charms and linger along for the delectation of the early comer, way into January and even then the new shoots have to literally push them aside.

While the fall and winter in Pinehurst are both exotics and full of sunshine and promise, one must join the ranks of the late stayers to get the full fragrance of the place. Every hedge which so gracefully and artistically outlines the paths and drives, bursts forth with the fragrant and beautiful honeysuckle, which predominating, suggests that Pinehurst could appropriately be styled "Honeysuckle Village!" Sweeter than orange blossoms their perfume fills the air and vies with the magnificent stately magnolias and dogwood in their bloom. To mention the vast and indescribable blossoms and the myriads of blooms of this flowery kingdom would be to fill THE OUTLOOK with a list which can be found easier in a vocabulary of flowers—"A word to the wise is sufficient."

Join the early comers and late stayers once and you will never desert the ranks. —AN EARLY COMER.

Telephone Service Remarkable.

"Your long distance telephone service is remarkable," said a guest at The Holly Inn the other evening, as he stepped from the telephone booth. "My office just called me up and I was able to hear perfectly and I can assure you it's quite a comfort, for just at the present time there are a number of important matters any one of which might necessitate my return to New York if I could not be communicated with at once."

In this connection it may be added that the telegraph service is unequalled, mainly because of wires installed to meet the demands of an extensive press service.

Annual Village Club Bazaar.

Thus early members of the Pinehurst Village Club are planning for the annual Midseason Bazaar upon the same extensive lines as in the past. Elaborate decorations and many novelties will be its special features. For the two years past the receipts have been over one thousand dollars and the event is anticipated from year to year by the entire colony. The Club is also planning a busy winter along the same general lines as in the past.

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