orchards, avenues and parks. They claim that trees take generous returns for the room they occupy. The close relation of trees to the public prosperity, is seen in the present difficulty of finding sufficient water for the Eric O nal. The enlargement of the canal and its business requires more water than formerly, when, in fact, the supply is alarmingly deficient. There is one reason for this deficiency in the wasteful cutting down of forests on the hill-sides, whence flow nu nerous small streams that unite to fill the vast agree of our inland commerce.

The destruction of trees not only ciminishes the absolute quantity of rain, but prevents its accumulation in springs, shaded valleys, and swamps. A bare hill side will shed water like a roof. Let the trees remain as nature intended, and the same soil becomes a sponge, absorbing the rain as fast as it fals, and sending it down lit le by little to the thirsty lowlands.

In the early stages of our country's growth, little attention was paid to the culture of trees. The names of the pioneer Philarborists are few, and their chief encouragement seems to have come from across the Atlantic. There is a queer old house still standing on the banks of the Schuylkill, that might be called the Cradle of American Botany. It was built by John Bartram, who founded the first Botanic Garden in this country. Birtram was an honest Quaker, little noticed at home, but honored abroad, as a collector of rare trees and plants. He kept up an active correspondence with eminent savans in England. Dr. Darlington's recent publication of these letters created a pleasant effervescence in the l terary circles of Europe and America. Andre Michaux, and his son Francis Andre Michaux, should be remembered. Frenchmen, and served the French Government. Yet most of their scientific labor was performed in this country. They were heartily attached to American institutions. They sent home about sixty thousand trees and plants, with many boxes of seeds, as the result of their searching in our nation's wilds. The younger Michaux lived to be eighty-five, and spent his last days in pl nting a group of American trees. His North American Sylva, recently edited by J Jay Smith, of Philadelphia, has no equal on the subject which it treats. He bequeathed \$22,000 to societies in Boston and Philadelphia, for special purpose connected with the propagation of useful trees.

Among the early Pomologists, William Coxe, of New Jersey, stands foremost. His work on the Cultivation of Fruit-Trees was prepared without much help from previous authors, and is sill appealed to as reliable authority. Mr. Coxe sent scions of the Seckel Pear to the London Horticultural Society, of which he was soon after elect-

ed a member.

The name of Downing is dear to every lover of rural improvement. His Treatise on the Theory and Practice of Landscape Gardening, published in 1841, gave him a solid and brilliant reputation on either side the Atlantic. The book was thoroughly pr ctical, y t all alive with puetry and sparkling sentiment. It was read like a romance, and removed the scales from eyes previousle blind to the beautiful in trees and landscapes. The youngest son of a gardener on the Hudson, Downing was so reserved in his havits, that tew suspected the rare qualities of his mind, before his appearance as an author. He had grown up as a neglected seedling might have done in an out-of-the-way cor ier of his father's grounds, until its rich ripe fruit caught the gaze of passers-by, and pregnated the air with daintiest aroma. Downing was thought by some to be unsocial and haughty; yet there never lived a man more intensely American. It was a favorite idea with him that America was entitled to a style of Architecture dictinctly its own, and suited to our climate, scenery and habits. working o t of this idea is clearly seen in his Essays and drawings. He was artial to American trees, and often exposed the folly of preferring such exotic impositions as the Ailanthus and the Abele, to the Maple, the Elm, and the Liriodendron. whole life, genius and ambition were devoted to the elevation of his countrymen, to the improvement of their homes, and the multiplying of their ennubling pleasures. His premature death, in 1852, so painfully remembered with the burning of the Henry Clay, was an irreparable loss to American literature and art.

Living Philarborists are doing much, at this time, to promote the knowledge and culture of desirable trees. Never was there a period when so much of capital, enterprise and research was given to this most important branch of national industry. The peculiar and promising feature of the present enthusiasm in tree-culture, is that its friends are forming themselves into groups, for particular studies and experiments. In the cultivation of Pears, Marshall P. Wilder, of Dorchester, Mass., takes the lead.