André Michaux, a biographical sketch for the internet

by Charlie Williams,
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This biographical sketch, complete with links to other web pages and much additional information about André Michaux, may be found on the web pages at www.michaux.org

“His name was André Michaux and we should all remember his name, for he was one of the most remarkable human beings of the 18th century, or of any century.”
Charles Kuralt, 1994

André Michaux
Born 1746 at Satory, in the Park of Versailles, France
Died 1802 in Madagascar
Botanist, explorer and plant collector in the service France
Visited: England, Spain, the Middle East, eastern North America, the Bahama and Canary Islands, and the Indian Ocean islands of Mauritius and Madagascar.

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The Marquis de Lafayette noted that André Michaux had risen “from simple farmer to have a name among learned men.” Indeed, his origins were modest. Though he was born virtually in the shadow of the palace of the French kings at Versailles, he was no aristocrat, but the child of sturdy farmers on the king’s estate.

Early years

André Michaux obtained a typical eighteenth century education; it was brief and grounded in the classics. Learning Latin and some Greek, he first displayed the remarkable aptitude for languages that would help him throughout his life. Reading Latin classics aroused in him a desire to travel to exotic foreign lands. It is said that his schooling ended at age fourteen when his father took both André and his younger brother from school. The elder Michaux chose to instruct his sons in agriculture, and to inure them to the hardships that were an everyday part of farm life in the eighteenth century.

André Michaux learned his father’s lessons well. He developed a marvelous ability to make plants grow and he would endure severe hardships without complaint. In a time when agricultural skills were held in the highest regard, he gained a reputation as a grower of difficult plants. This brought him to the attention of influential officials in the government of King Louis XVI. Nonetheless, André Michaux’s life would have been like that of countless other men of his generation had tragedy not struck in the first year of his marriage to Cecile Claye. His young wife died within days after giving birth to their only child. Michaux never considered remarriage; Cecile was the love of his life. Losing her after only eleven months of
The king’s physician had observed the young man’s extraordinary talent for agriculture and he encouraged André Michaux to study botany. Michaux now sought to make himself useful to his country. He would learn botany, then travel to foreign lands with climates similar to that of France, collect their useful plants, and return to naturalize them in his native soil. At first remaining on the farm, he applied himself zealously to his studies and experiments. Eventually he rose to become a student of the celebrated Bernard de Jussieu at Trianon. The foremost French botanist of the age, de Jussieu developed the natural system of plant classification we use today. Soon, Michaux moved on to Paris to study at the Jardin des Plantes (Garden of Plants), then known as the Jardin du Roi (King’s Garden). There he became acquainted with André Thouin and other leading scientists of Paris. The Jardin des Plantes combined features of a great university and a botanical garden. Surrounded by the most brilliant minds in France, Michaux could have found no better place in the world to complete his training. He quickly impressed these men with his desire, energy, and capacity for hard work. Now a trained botanist, he soon realized his childhood dream of visiting exotic foreign lands.

Middle Eastern Travels

In February 1782, Michaux joined the entourage of Jean François Rousseau, recently appointed Consul to Persia (now Iran), on the journey to take up his post. Travel to Persia included a voyage across the storm-tossed Mediterranean Sea in winter, a journey by camel caravan across deserts inhabited by lawless brigands and hostile tribes, and a boat trip across the Persian Gulf in the midst of hostilities. The travelers arrived safely, but not without life-threatening adventures.

Soon separating from Rousseau to carry out his own mission to collect seeds and plants, Michaux’s life was in danger many more times during his years in the Middle East. Once, he was captured by a hostile tribe and freed only by the timely intervention of the English Consul at Basra. Nonetheless, his reports are filled with the excitement of discovery, not complaints of difficulties. He had indeed found his life’s work. This excerpt
from an enthusiastic letter to his friend and colleague André Thouin perhaps best conveys Michaux’s outlook in the Middle East:

“I cannot express to you sufficiently with what joy I went to visit the plains about [Alexandretta, Turkey]. When considering the immense number of plants with which the meadows were covered, I was overcome by their splendor and I was forced to pause and compose my mind for some moments. At night I could not sleep, but waited impatiently for dawn. What a pleasure to find myself in Asia...”

Michaux’s reports and letters from the Middle East give us an indication of the character and strength of the man. He faced life-threatening dangers and endured extreme hardship, but he carried out his mission without complaining about difficulty or danger. Writing letters to his young son, he omitted the frightening details of his Middle Eastern travels, explaining only that “God had twice rescued him from the greatest danger when no number of men could have.” In spite of setbacks and hardships, the botanist focused on his work.

The Middle Eastern journey occupied three years as Michaux worked his way across Persia from the Caspian Sea to the Indian Ocean collecting seeds, plants and other objects. Returning to Paris in June 1785 with his collections, he asked to be allowed to return to the area so that he might explore the regions of Kashmir and Tibet. Fortunately for North American botany, his superiors in the French government had other plans for this hardy, resilient scientist. His coolness, determination and his accomplishments on the perilous Middle Eastern expedition had earned him an even bigger prize. The North American continent was his to explore!

Mission to North America

Michaux was chosen to lead a scientific mission to the United States. Relations between the two countries were especially warm. French support had been crucial in the American Revolution which had ended only two years earlier. The young United States dispatched its brightest stars to represent America in France. The departing American minister in Paris, Benjamin Franklin, was beloved by the French. Franklin’s successor in Paris was Thomas Jefferson, author of the Declaration of Independence. Jefferson dined with Buffon, the superintendent of the Jardin des Plantes, visited the garden and made a lifelong friend in André Thouin. America welcomed a French scientific mission to study American forests and gather plants which would strengthen her European ally.
The primary goal of Michaux’s mission was to search American forests for new species of trees with which to rebuild the forests of France. For almost a century, France had been engaged in a series of wars with England. Waging this extended conflict, fought on land and sea from India to Quebec, had stripped the best timber from French forests for the building of warships. Healthy forests were a source of state power and France needed to rebuild her forests quickly. Michaux’s mission served a vital national interest.

Appointed King’s Botanist, Michaux departed immediately, arriving in New York in November 1785. Accompanying the botanist were his 15-year old son François André, Paul Saunier, a young gardener trained by Thouin, and a servant. Michaux immediately established the brisk pace which he would maintain throughout his years in America. He overcame the initial obstacles of bad weather and unfamiliar language and territory to dispatch his first shipment to France almost immediately. The French Consul in New York readily assisted the energetic botanist, even delaying ships leaving port while Michaux’s shipments were loaded aboard.

In the ensuing months Michaux established a 30-acre garden near Hackensack, New Jersey and began to travel outside the immediate environs of New York City. Though his journals for this period are lost, his expense reports and some letters survive. He soon visited Philadelphia to call on Benjamin Franklin and meet William Bartram, the leading American botanist of the time. Michaux then continued southward, visited George Washington at Mount Vernon, and traveled as far south as Fredericksburg, Virginia before returning to his New Jersey garden.

William Bartram and André Michaux formed a bond of friendship and respect. Each time Michaux visited Philadelphia, he called on Bartram and the botanists began to exchange letters and seeds. In the 1770’s William Bartram had made an extraordinary exploration of the southern frontier and it is likely that Bartram’s stories of the region and the new plants to be found there at least partly inspired Michaux’s subsequent move to Charleston, South Carolina. In September 1786 he left his gardener Saunier in charge of the New Jersey garden and sailed with his son to Charleston. There Michaux established a larger garden on 111 acres a few miles outside the city. This garden became his base of operations for the next decade.

Charleston and Wilderness Exploration
The Charleston area suited Michaux’s needs. Charleston was a large, wealthy city with a flavor of French culture from its Huguenot community. The French botanist was welcomed and assisted with his work. It was somewhat more difficult to make shipments to France from Charleston than from New York, but there were many offsetting advantages. Michaux quickly developed the garden and became acquainted with the leading citizens in the area. Among others, he visited the Drayton and Middleton plantations, seats of two of the most influential families in the region. Memories of his visits linger not only in diaries and letters, but in gardens. Because, in addition to shipping American plants to France, Michaux also introduced new plants to America. The mimosa or silk tree, *Albizia julibrissin*, the crape myrtle, *Lagerstroemia indica*, the tea plant, and the camellia are only some of the plants he is credited with bringing to America. Middleton Place identifies a particularly beautiful camellia as the gift of André Michaux and recently succeeded in propagating this treasured plant.

Extended journeys exploring the frontier and collecting plants followed quickly upon Michaux’s establishment of the garden in Charleston. His journals for the period from April 1787 onwards do survive and provide a detailed record of his explorations. In the spring of 1787, accompanied by the Scottish botanist John Fraser, he followed Bartram’s route up the Savannah River on his first long journey to the southern frontier. Michaux and Fraser soon parted company and Michaux continued into Cherokee territory near the river’s headwaters. In this locale he encountered the plant we know today as *Shortia galacifolia*, a rare species that has been linked with him ever since.

The 1787 journey was Michaux’s first exploration deep into the American frontier, but he would return time and again. In all, he ventured into the territory of three fourths of the states east of the Mississippi, the Canadian province of Quebec, and the Bahama Islands. In Spanish Florida, he traveled by dugout canoe, in Canada he traveled by birchbark canoe, but most of his thousands of miles of wilderness travel were on foot or in the saddle. Each day he walked or rode a few miles more, stopping to examine any interesting plant he found in his path. He made the most of each journey, searching for new plants along his route. He found plants new to science not only when he was the first trained botanist to visit an area, but also along well-traveled paths. His friend William Bartram praised his skill in this regard. Bartram remarked that Michaux could find new plants in areas he and his father had already visited.
While Michaux was at ease in the drawing rooms of Philadelphia or Charleston, most of his days were spent in far simpler circumstances. He traveled with a minimum of baggage and secured provisions along the way. On the long journey to the Mississippi River, he rode alone, carrying everything he needed on a single horse. The botanist might find hospitality among settlers, but he was ready to sleep under the stars. An incident mentioned in his journal demonstrates both his patriotism and his disregard of personal hardship. Despite his early years in the service of the King, the botanist became an ardent believer in the cause of revolutionary France. Michaux related that he had spent a hungry February night sleeping on his deerskin rather than eat and sleep comfortably with a host who disparaged France. There were many other times in less memorable circumstances when the botanist camped alone in the forest because he was simply near no dwelling when he stopped for the day. The routine hardships of wilderness travel were not a serious obstacle for this rugged scientist.

The Proposal to Jefferson and the Genet Affair

Visiting Philadelphia in 1792 after his most ambitious exploration to that time, a trip to the Hudson Bay region of Canada, he proposed an even more ambitious venture to a very willing and interested Thomas Jefferson. Michaux offered to explore the sources of the Missouri River and travel down the rivers that drained into the Pacific Ocean if Jefferson could arrange financing through the American Philosophical Society, a private scientific organization. However, international politics intervened and Michaux’s dreams of seeing the Pacific Ocean were thwarted. Instead, the botanist traveled across Pennsylvania and down the Ohio River into Kentucky delivering secret messages for the new French Minister to the United States, Citizen Genet. With the tacit approval of a number of Americans, Genet sought to provoke American citizens to take up arms against Spain. The French minister’s objective was to evict the Spanish from New Orleans and open the Mississippi to free navigation. As a patriotic French citizen and government employee, the botanist could not have refused the request of his country. Nonetheless, Genet was a reckless diplomat and participation in his scheme tarnished Michaux’s reputation.

President George Washington insisted upon American neutrality in the war between France and Spain, and was outraged by Genet’s American intrigues. With Washington’s opposition and inadequate financing, Genet’s plot soon collapsed. Thomas Jefferson, however, gained
something useful from the experience. The instructions he gave to Lewis and Clark a decade later echo the contract he drew up for Michaux to explore the west. This unique historic document in Jefferson’s own handwriting is now housed at the American Philosophical Society in Philadelphia. It is the only surviving document signed by the first four United States Presidents.

Because Michaux’s base of operations from 1787 onwards was Charleston, he most frequently traveled in the Carolinas and Georgia. Michaux both made shorter excursions within these states and traversed them enroute to more distant destinations. On his earliest journeys to the high mountains of Carolina, perhaps his favorite area for exploring and collecting plants, he followed William Bartram’s route up the Savannah River from the coast to the mountains. However, beginning in 1789 Michaux found his own favorite route to the mountains through the central Piedmont of the Carolinas.

**Carolina Piedmont**

Michaux ultimately recorded seven journeys through the Carolina Piedmont crossing the Catawba River in the vicinity of what was then the village of Charlotte. On one of these journeys he chose a route that led him north along the west bank of the river past the future site of the Daniel Stowe Botanical Garden. Michaux often noted an interesting new species of magnolia tree he found nearby. He observed this new species several times in the Carolina Piedmont, then found it in bloom in the wilderness of Tennessee further west. He named his new species *Magnolia macrophylla*, but in the early years after its introduction into France many botanists and horticulturists wanted to call it *Magnolia michauxii* in his honor. It is an unusual tree with an almost tropical look and remains a rare plant in North Carolina. This magnolia’s deciduous leaves are two to three feet long and up to a foot wide; its fragrant flowers are up to a to a foot and a half in diameter and are usually marked with a striking purple blotch at the base of the petals. This exotic tree caused a sensation in Europe among those who appreciated plants. Napoleon’s Empress Josephine was among the first to have this new magnolia in her garden.

Michaux’s expeditions to the mountains of the Carolinas were especially fruitful. In this remote region he ascended many of the highest peaks. To reach the summits of Grandfather Mountain, Roan Mountain, the Black Mountains, the unique peaks of Table Rock and Hawksbill, and many other mountains the indomitable explorer followed his local guides on routes
traveled only by hunters. He was well aware of his vulnerability, yet he pressed on. The lure of discovering new plants always drew him onward. Often he was rewarded with new species of rare beauty. Michaux was high in these mountains near the headwaters of the Catawba River when he discovered a magnificent new evergreen shrub with flowers that turned entire mountain peaks into vast oceans of purple blossoms. He named it *Rhododendron catawbiense* for the river whose waters he had followed to find this treasure. Today, this shrub is known not just for its beauty in the wild places where Michaux found it, but as one of the genetic parents of many of the beautiful hybrid rhododendrons found in gardens.

Michaux became an ardent republican proud of his country and its ideals of liberty, equality and fraternity, but the revolution also disrupted his work. With disorder at home, he was unable to continue his shipments of plants and seeds. Money for his salary and expenses stopped coming from France. Nonetheless, he continued to work tending the gardens, exploring and collecting and holding plants in his gardens in Charleston and New Jersey for eventual shipment to France. With all chances of a trip to the Pacific for Jefferson and the American Philosophical Society long lost, he gathered his meager resources and set out in the spring of 1795 on yet another journey into the frontier alone. Returning almost a year later, having crossed eastern North America to the Mississippi River, all his resources were exhausted and he had to return to France.

Misfortune marked this voyage to France in 1796. The ship was driven ashore on the Dutch coast in a storm. Nearly drowned, Michaux was rescued, but his personal possessions and some of his plant collections were lost. Part of his journal was among the lost possessions. His magnificent herbarium, the physical record of his plant collections, was damaged by salt water. Of course, being André Michaux, he immediately set to work repairing the damage to his herbarium. The task required weeks of painstaking work drying the individual plants and replacing the herbarium paper, but this most recent brush with death likely only induced him to work harder and faster.

Returning to a Paris very different from the city he had left in 1785, Michaux was received with acclaim by his scientific colleagues and reunited with his son François André. Soon, however, Michaux discovered to his dismay that the vast majority of the living plants he had collected with such exertion and shipped to France with such care had perished in the chaos of the revolution. Further disappointment awaited when the faithful botanist learned the new government had no intention of paying him the salary he had been promised by its royal predecessor. Having
borrowed against his own personal resources to finance his last years in America, Michaux now found himself financially ruined. Of necessity, he lived simply and began to draft his two landmark books, the OAKS OF NORTH AMERICA and the FLORA OF NORTH AMERICA. Before he could finish both these works with the limited resources available to him, he chose to accompany a new voyage of exploration to Australia. Departing in 1800, Michaux accompanied the Baudin expedition as far as the island of Mauritius in the Indian Ocean. There Michaux and the young zoologist Bory de St. Vincent left the ill-fated expedition after differences with the captain.

Bory de St. Vincent soon departed Mauritius to survey and map the lovely neighboring island of Reunion; he went on to a long and varied career. Michaux, however, chose to leave Mauritius to study the plant life on the larger island of Madagascar. Accustomed to long days of untiring labor all his life, Michaux ignored friendly warnings and kept up his torrid work pace on this disease-ridden tropical island. Sadly, he soon succumbed to a tropical fever.

When word of his death finally reached France many months later, Michaux was eulogized by his colleagues in Paris. No statues were erected in his memory, but his books had been completed and printed while he was on his last voyage. Each landmark volume advanced the cause of the science to which Michaux had dedicated his life. His name is still attached to the names of hundreds of plants new to science that he named. The herbarium that he gathered with such great effort is still studied by botanists today. Botanists from North America continue to make the pilgrimage to Paris to study plants in the Herbarium Michaux housed in the Laboratorie de Phanerogamie of the Museum National d’Histoire Naturelle. Moreover, his son François André followed in his father’s footsteps. The younger Michaux became a celebrated botanist in his own right and authored the first comprehensive book on North American trees, the NORTH AMERICAN SYLVA.

André Michaux the man has not been forgotten either. He is remembered in books and articles and on historical markers. The enthusiastic words he recorded in his journal after the difficult climb to the summit of Grandfather Mountain in 1794 have been immortalized in a stirring speech by Charles Kuralt on the same mountain exactly two centuries later. Michaux’s words, shouted from the mountaintop he believed to be the highest in America, and so eloquently repeated by Kuralt, ring down through the centuries: “Long live America and the Republic of France, Long live liberty!”
This brief account of the life of André Michaux is drawn largely from primary sources. I wish to gratefully acknowledge the assistance of several translators: Suzanne Barber, Marie-Eve Berton, Dr. Carol Brooks, Dr. Eliane Norman and Stacy Rémy. Any errors of fact or interpretation are my responsibility.

Charlie Williams, Charlotte, N C  

Suggestions for Further Reading
A list of sources on André Michaux for general readers.
Visit www.michaux.org on the internet.

Biography

Primary source material, this is the earliest account of Michaux’s life written by a contemporary and originally published in French in 1804. This reprint includes both the original French, an early English translation, added notes, map, bibliography and a chronology of Michaux in North America.


The only full-length biography, a simply invaluable beginning for future research. A detailed study of the lives of both Michauxs drawn from many primary sources. The careers of Michaux father and son interlock so seamlessly that many casual observers have believed that they are the same individual. This carefully annotated work covers the full careers of both men. The bibliography is outstanding.

Michaux in Collective Biographies

“Michaux and the Spanish Conspiracy” is an exciting account of Michaux’s life centering on his involvement in the “Genet Affair” of 1793.


A modern naturalist recounts Michaux’s story as she travels to some of the same localities in the southeast Michaux visited two hundred years earlier.


Includes separate chapters on André Michaux and his son François André; the reading level is appropriate for middle school & high school.


One long, stirring chapter is devoted to André Michaux and his son.
Michaux’s Place in the History of Plant Exploration

Michaux is included in this history of plant exploration around the world.

Michaux in the context of three centuries of French plant exploration.

The chapter on plant explorers of North America briefly mentions Michaux.

Briefly highlights the Michaux-Jefferson connection.

Peattie, Donald Culross. Green Laurels, the Lives and Achievements of the Great Naturalists. New York: Simon &
Schuster, 1936.
Grand natural history writing in the old style. Captures the spirit of the French botanist, but a few of the
details given here have been corrected by later researchers.

Michaux in the context of the botanical exploration of all North America. The illustrations, from the
collections of the Library of Congress, are magnificent.

Includes an analysis of Michaux’s work by a leading contemporary scholar.

Useful Special Sources

Describes Michaux’s contributions to gardens and places his Charleston nursery garden in the larger
context of Charleston’s illustrious gardening history.

University Press, 1958.
An examination of the “Genet Conspiracy” in the context of US diplomacy in the 1790’s.

The introduction to this reprint of Michaux’s FLORA has a wealth of detail. The late Joseph Ewan was the
most important scholar of botanical history active in the late twentieth century. This is his most extensive
writing on André Michaux.

Kuralt, Charles. “Tribute to the Noted French botanist André Michaux.” Grandfather Mountain, Linville, NC,
Full text of the stirring speech Kuralt delivered at the bicentennial celebration of Michaux’s 1794 climb of
Grandfather Mountain.

MacPhail, Ian. André and Francois-André Michaux; the Sterling Morton Library Bibliographies in Botany and
A bibliography of all editions of all books by the Michauxs issued prior to 1900. Precise descriptions
useful for rare book buyers.

*Translates and examines Michaux’s 1788 Florida journey in detail. The historical background, Michaux’s routes of travel and his plant discoveries are carefully examined. Also translates the portion of Michaux’s journal after his shipwreck on the coast of Holland in 1796 until its last entries in Paris in 1797 and several letters from Michaux to colleagues in France.*

### Selected Magazine Articles Since 1990


*Reviews Michaux’s career with special emphasis on his contributions to lowcountry gardens. Color and halftone illustrations include a detail of P.J. Redoute’s drawing of Pinckneya from the Michaux *Flora.**


*Tennessee chooses the yellowood tree Michaux discovered near the Cumberland River in 1796 as the state’s bicentennial tree in 1996.*


*Reinterprets the route of Michaux’s explorations on Roan Mountain and links Michaux’s 18th century explorations to 19th century visits by naturalist John Muir and botanist Asa Gray.*


*Highlights Michaux’s extensive NC travels and the discovery of the bigleaf magnolia. Reports on the 2002 symposium sponsored by the AMIS consortium.*


*Examination of some of the plants Michaux is credited with introducing into southern gardens. Color illustrations.*


*Overview of Michaux’s career. Reports the planned celebration on the bicentennial of his climb to the summit of Grandfather Mountain, NC in 1794. Color illustrations of some of his plant discoveries.*


*Describes the careers of Michaux father and son, color illustrations.*


*The leading botanical historian of SC describes Michaux’s career. This article includes a partial list of the plants Michaux discovered in SC and has color illustrations.*


*Follows and interprets Michaux’s journal accounts of his travels in Georgia in 1787 and 1791 with a brief mention of the 1788 journey.*

### André Michaux’s North American Journal


This is in the original French with English introduction and footnotes. Most of the footnotes are concerned with plant identification. This is the only complete publication of Michaux’s extant American journals. All of André Michaux’s journals have never been completely translated into English and published. “Portions” in the title of this source is somewhat misleading. This is the entire extant journal. The original handwritten copies are archived at the American Philosophical Society Library in Philadelphia. The original journals were donated to the society in 1824 by Michaux’s son François-André.

**Excerpts From Michaux’s Journal in English Translation**


*English translation of the portions of Michaux’s journal describing his trips into Kentucky. Even with the omissions, this is very valuable. Users should nonetheless beware that Michaux’s sojourn in Philadelphia after his return from Kentucky in December 1793 is not included here, nor are any of Michaux’s 1794 travels. All of the 1795-96 journey is translated. Some of the information given in footnotes by Thwaites has been revised by others, notably by Samuel Cole Williams in his study of Michaux’s travels in Tennessee.*


* Translates a small portion of Michaux’s journal from western VA.

Dugger, Shepherd H. *The Balsam Groves of Grandfather Mountain*. Boone, N.C: [Reprint], 1934.

*Translates Michaux’s journal account of his 1794 visit to NC including the celebrated climb of Grandfather Mountain and visits to Salisbury and Fayetteville. Some plant data is edited out of this otherwise excellent translation.*


*Translates small excerpts from Michaux’s journal accounts from NC.*

Seaborn, Margaret M. ed. *André Michaux’s Journeys in Oconee County, South Carolina in 1787 and 1788*. Walhalla, SC: Oconee County Library, 1976.

* Translates and annotates portions of Michaux’s journal describing his initial visits to the southern frontier. Follows the interpretation of C.S. Sargent regarding Michaux’s discovery of the rare plant Shortia galacifolia. Seaborn’s translations are the basis for the reinterpretation of the discovery of Shortia published in the botanical journal *CASTANEA* by R. Zahner and S.M. Jones in 1983.*


*Reprints an exciting portion of Seaborn’s translation of Michaux’s journal.*


*Translates and examines Michaux’s Florida journey of 1788 in detail. His routes of travel and plant discoveries are carefully examined. Also translates the portion of Michaux’s journal after his shipwreck on the coast of Holland in 1796 until its last entries in Paris in 1797 and several letters from Michaux to colleagues in France.*


*Uses the translation of Thwaites (1906, 1966) for Michaux’s 1793-1796 journeys in TN, but provides fresh, and sometimes corrective annotations. Williams takes no notice of Michaux’s journey in 1789.*

**Internet Site**

A wealth of biographical information, plant lists, photographs and links to other sites.