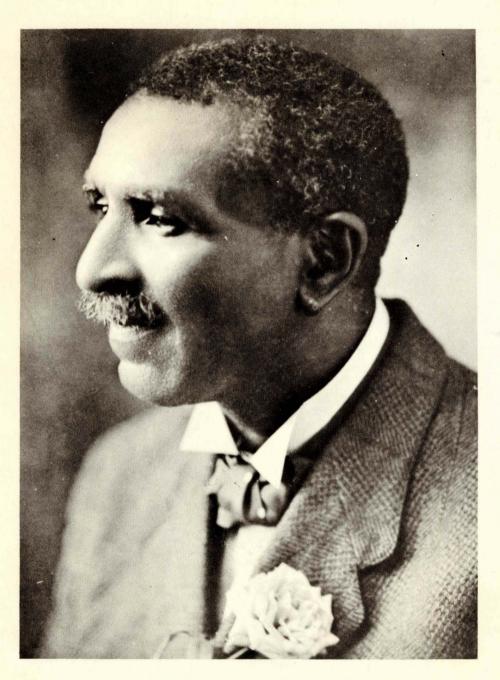
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GEORGE WASHINGTON CARVER



Text by Toby Fishbein, University Archivist, based on primary and secondary source material in the Iowa State University Archives Bibliography by P. William Hamill and Norine Dawson April 1976 State Documents Center

State Library Of Iowa State Documents Center Miller Building Des Moines, Iowa George Washington Carver's exact date of birth is unknown. Biographers give the year as anywhere from 1859 to 1864. When he enrolled in Iowa State College of Agriculture and Mechanic Arts (now Iowa State University of Science and Technology) in Ames in 1891, he gave his age as 25, which would make his year of birth 1866. However, in the 1895 census taken in Ames, he listed his age on his 1884 birthday as 27. Dr. Carver was the son of slaves. His mother, Mary, had been purchased by Moses Carver for \$700 when she was thirteen. His father was owned by a neighbor and was killed in an accident soon after George was born. He was born in a log cabin on Moses Carver's plantation near Diamond Grove, Missouri. He had at least one brother and perhaps a sister, but this is not known for sure. George was a very frail baby and when he was about two months old, slave raiders attacked the Carver plantation. Carver managed to hide George's brother, James, but George, his mother and perhaps a sister were carried off, probably to Arkansas. The raiders demanded Carver's money and slaves and when he refused them, he was strung up from a tree by his thumbs, whipped and his bare feet were burned with hot coals. He offered a bushwacker named John Bentley forty acres of land and a race horse named Pacer to bring back Mary and her child (or children). Bentley returned several days later with only the infant, who was near death with whooping cough. Bentley could not accept the land as he had not found Mary, but he did keep the horse, worth \$300, as payment for his effort. Mary was never heard from again. James died in his teens from small pox, leaving George with no known relatives.

Moses and his wife Susan nursed the child, but he was never strong and healthy. The cough had torn his vocal cords and his voice was high all his life. He stammered and did not walk until he was three years old. Because of his honesty, he was given the name George Washington. He was ill throughout the early years of his childhood. His frailty prevented him from working in the fields alongside his brother, so he helped Susan in the house and garden. He was proficient at his household chores and handicrafts. His talents with plants was evident at an early age and he became known as the Plant Doctor.

George constantly sought knowledge. He learned to read, write and spell at the Carvers', as there were no schools for Blacks in Diamond Grove. At the age of ten, George went to Neosho, about eight miles from the Carver plantation, to attend school. He received a certificate of merit from the school in 1876 and continued his education in schools in Fort Scott, Olathe, Paola, Minneapolis and Kansas City, Kansas, supporting himself during this time. His attempts at homesteading in Kansas were unsuccessful and in 1890 he enrolled in Simpson College in Indianola, Iowa. He opened a hand laundry to support himself while studying music and art in addition to the regular courses offered. Etta Budd, his Simpson College art instructor whose father was head of the Department of Horticulture at the State College in Ames, convinced him to give up a career in art and go into scientific agriculture.

He came to Ames in 1891 and lived in North Hall. He held several jobs, including waiter in the college dining room and rubber (masseur) for the athletic teams. He was an active member of the YMCA and the Welch Eclectic Society, an organization for the development of science, literature and public speaking. His artistic talents were in demand and he often entertained by singing, playing musical instruments and reading aloud. He

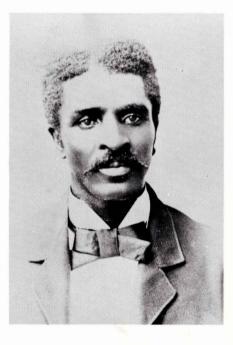


Captain G. W. Carver

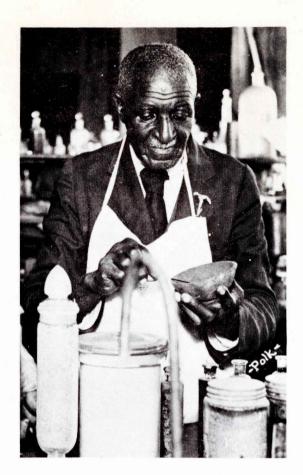
also wrote poetry and his class poem, "Legend of the Gourds," was printed in the student newspaper on November 13, 1894. Two of his paintings were hung at the 1893 Chicago World's Fair. One of them won an honorable mention. He attained the rank of captain, the highest student rank, in the College military regiment. He received his Bachelor of Agriculture degree in 1894 and his Master of Science in Agriculture degree in 1896. Dr. Carver was not only the first Black to enroll as a student at Iowa State, but was also the first Black to join the faculty. In 1895 he was the assistant botanist in the Experiment Station and worked there until the following year, when Booker T. Washington asked him to join the staff at Tuskegee Institute in Alabama. The student newspaper, the Iowa Agricultural College Student, printed the following in the October 6, 1896 issue: "On Monday, G. W. Carver '94 left for Alabama where he takes the

chair of Agriculture in the Normal and Industrial Institute at Tuskegee. Before leaving he was presented with a superb microscope with case complete, the gift of faculty and friends. George gracefully accepted the gift, and, as he leaves us to engage in a new field of labor, he goes forth strong in the assurance that the best wishes of all follow him. We know of no one who failed to be won to friendship by his genial disposition, and we are not guilty of meaningless praise when we wish him God speed."

Dr. Carver began work at Tuskegee on October 8, 1896. He organized the Agricultural Department, planned the first agricultural building, taught classes in chemistry and botany and conducted research. He served as Director of Agriculture, the first Director of the Tuskegee Agricultural Research and Experiment Station and Head of the Department of Research. His work led to the creation of many products made from native materials. These include over 300 products from peanuts (foods, beverages, medicines, cosmetics, paper, household products, dyes, paints, stains, insecticide, gasoline, ink, plastics, lubricants, nitroglycerine, lineoleum, rubber) and over 100 products from sweet potatoes (foods, alcohol, paints, dyes, stains, paste, medicines, paper, ink, synthetic cotton and silk). He also developed many products from Alabama clay, cotton, soybeans, pecans, wood shavings and native and waste materials.



G. W. Carver, B.A., M.S. Iowa State College, 1894, 1896 During his lifetime, Dr. Carver received a multitude of honors. including election as a Fellow of the Royal Society for the Encouragement of Arts, Manufacturers, and Commerce (London, England, 1916); the Spingarm Medal by the National Association for the Advancement of Colored People for distinguished service to science (1923); the Iowa State College Alumni Merit Award (1938); the Roosevelt Medal (1939) and the Thomas A. Edison Foundation Award (1943). He received honorary Doctor of Science degrees from the following institutions: Simpson College (1928), University of Rochester (1941) and Selma University (1942). A feature film of his life was made in Hollywood in 1938. In 1940, Dr. Carver bequeathed his estate to Tuskegee Institute and established the George Washington Carver Foundation (now the Carver Research Foundation) to continue his work. Mr. and Mrs. Henry Ford dedicated the George Washington Carver Museum the following year. Dr. Carver's collection of paintings and needlework were displayed. Ford established the George Washington



Dr. Carver at work in his laboratory

Carver Cabin in Greenfield Village at Dearborn, Michigan in 1942 to honor and commemorate Dr. Carver's achievements and contributions to American life.

George Washington Carver continued to be honored after his death in Tuskegee on January 5, 1943. His birthplace was designated the George Washington Carver National Monument in 1943. In 1944, the governors of Connecticut, Illinois, Indiana, New Jersey, New York, Pennsylvania and West Virginia issued proclamations designating the first week in January 1945 as Carver Week. President Harry S. Truman designated January 5, 1946 as George Washington Carver Day. On January 5, 1948 the 3¢ Carver Commemorative Postage Stamp was sold. In 1949, Christian Peterson, Iowa State College's artist-in-residence, completed a statue of Dr. Carver. The four foot high, bronze-painted statue is accurate in detail down to the flower in the lapel that Dr. Carver wore every day. It presently stands inside George Washington Carver Hall, a \$3.1 million building which houses offices and classrooms for the College of Sciences and Humanities. The building was dedicated on September 27, 1970.



George Washington Carver has been called the father of chemurgy and was known and respected as a teacher, scientist and humanitarian. The nation was greatly saddened by his death. President Franklin D. Roosevelt sent the following message to Tuskegee Institute: "The world of science has lost one of its most eminent figures and the race from which he sprang an outstanding member in the passing of Dr. George Washington Carver. The versatility of his genius and his achievements in diverse branches of the arts and sciences were truly amazing. All mankind are the beneficiaries of his discoveries in the field of agricultural chemistry. The things he achieved in the face of early handicaps will for all time afford an inspiring example to youth everywhere. I count it a great privilege to have met Dr. Carver and to have talked with him at Tuskegee on the happy occasion of my visit to the institute which was the scene of his long and distinguished labors."

Christian Peterson Statue

GEORGE WASHINGTON CARVER BIBLIOGRAPHY

Books & Articles From Books

- Adams, Russell L. <u>Great Negroes</u>, Past and Present. 3rd. ed. Chicago: Afro-American Publishing Co., 1964, pp. 68-69.
- Albus, Harry J. <u>The Peanut Man</u>. Grand Rapids, Michigan: William B. Eerdmans Publishing Co., 1949, 89 pp.
- Asimov, Isaac. Breakthroughs in Science. Boston: Houghton, 1959, pp. 172-176.
- Bailey, Carolyn Sherwin. Candle for Your Cake. Philadelphia: Lippincott, 1952, pp. 3-12.
- Bailey, Helen Miller. Forty American Biographies. New York: Harcourt, Brace and World, 1964, pp. 179-183.
- Baker, Harry J. Biographical Sagas of Will Power. New York: Vantage, 1970, pp. 210-215.
- Bolton, Sarah Knowles. Lives of Poor Boys Who Became Famous. New York: Thomas Y. Crowell, 1962, pp. 248-261.
- Bontemps, Arna Wendell. The Story of George Washington Carver. New York: Grosset and Dunlap, 1954, 181 pp.
- Berth, Christy. Pieneers of Plenty: The Story of Chemurgy. Indianapolis: The Bobbs-Merrill Co., 1939, pp. 226-240.
- Brandenberg, Aliki. A Weed is a Flower: The Life of George Washington Carver. Englewood Cliffs, New Jersey: Prentice-Hall, 1967.
- Brimberg, Stanlee. Black Stars. New York: Dodd, Mead, 1974, pp. 37-50.
- Clark, Glenn. The Man Who Talks With the Flowers; The Intimate Life Story of Dr. George Washington Carver. St. Paul, Minn.: Macalester Park Publishing Co., 1939, 64 pp.
- Clifford, Harold Burton. <u>American Leaders</u>. New York: American Book Co., 1953, pp. 280-290.
- Coates, Ruth Allison. <u>Great American Naturalists</u>. Minneapolis: Lerner Publications Co., 1974, pp. 89-95.
- Cooper, A. C. and Palmer, C. A. <u>Twenty Modern Americans</u>. New York: Harcourt, Brace and Co., 1942, pp. 139-158.
- Cox, Donald W. Pioneers of Ecology. Maplewood, New Jersey: Hammond, 1971, pp. 65-69.

- Coy, Harold. The Real Book About George Washington Carver. New York: Garden City Books, 1951, 191 pp.
- Curtin, Andrew. <u>Gallery of Great Americans</u>. New York: F. Watts, 1965, pp. 13.
- Dies, Edward Jerome. <u>Titans of the Soil</u>. Chapel Hill: University of North Carolina Press, 1949, pp. 180-181.
- Dolin, Arnold. <u>Great Men of Science</u>. New York: Hart Publishing Co., 1960, pp. 162-174.
- Edwards, Ethel. Carver of Tuskegee. Cincinnati: Psych Press, 1971, 236 pp.
- Elliott, Lawrence. G. W. Carver: The Man Who Overcame. Englewood Cliffs, New Jersey: Prentice-Hall, 1966, 256 pp.
- Embree, E. R. Thirteen Against the Odds. New York: The Viking Press, 1944, pp. 97-116.
- Epstein, Samuel and Beryl (Williams). George Washington Carver, Negro Scientist. Champaign, Illinois: Garrard Press, 1960, 80 pp.
- Fisher, Dorothea Frances (Canfield). And Long Remember: Some Great Americans Who Have Helped Me. New York: Whittlesey House, 1959, pp. 96-111.
- Gilmartin, John G. and Skehan, Anna M. <u>Great Names in American History</u>. Chicago: Laidlaw Brothers, 1946, pp. 343-350.
- Goebel, Edmund Joseph, and others. <u>Builders of Our Country</u>. Chicago: Laidlaw Brothers, 1951, pp. 353-360.
- Graham, Shirley and Lipscomb, G. D. <u>Dr. George Washington Carver</u>, <u>Scientist</u>. New York: Julian Messner, Inc., 1944, 248 pp.
- Haber, Louis. Black Pioneers of Science and Invention. New York: Harcourt, Brace and World, 1970, pp. 73-85.
- Hagedorn, Hermann. Americans: A Book of Lives. New York: The John Day Co., 1946, pp. 225-243.
- Hall, Kenneth. They Stand Tall: Life Stories of Fifteen Great Men and Women. Anderson, Indiana: Warner Press, 1953, pp. 19-29.
- Heath, Monroe. <u>Great Americans at a Glance</u>. Redwood City, California: Pacific Coast Publishers, 1955, p. 29.
- Hill, Harvey Jay. He Heard God's Whisper. Minneapolis, Minnesota: Jorgenson Press, 1943, 80 pp.

- Hoff, Carol. They Served America. Austin, Texas: Steck-Vaughn Co., 1966, pp. 33-37.
- Holt, Rackham. George Washington Carver: An American Biography. Revised edition. Garden City, New York: Doubleday, Doran and Co., 1963, 360 pp.
- Hughes, Langston. Famous American Negroes. New York: Dodd, Mead, 1954, pp. 69-76.
- Hunter, J. H. Saint, Seer and Scientist. Grand Rapids, Michigan: Zondervan Publishing House, 1939, 32 pp.
- Johnson, Ruth I. Christians You Should Know. Chicago: Moody Press, 1960, pp. 26-32.
- Kelen, Emery. Fifty Voices of the Twentieth Century. New York: Lothrop, Lee, and Shepard, 1970, pp. 18-22.
- Kitchens, John W. and Lynne B., eds. <u>Guide to the Microfilm Edition</u> of the George Washington Carver Papers at Tuskegee Institute. Tuskegee, Alabama: Tuskegee Institute, 1974, 49 pp.
- Klein, Aaron E. <u>Hidden Contributors: Black Scientists and Inventors</u> in America. Garden City, New York: Doubleday, 1971, pp. 130-143.
- Law, Frederick Houk. <u>Great Lives</u>. New York: Globe Book Co., 1952, pp. 214-225.
- Leipold, L. Edmond. <u>Famous American Negroes</u>. Minneapolis, Minnesota: T. S. Denison, 1967, pp. 49-54.
- Leipold, L. Edmond. <u>Makers of a Better America</u>. Minneapolis, Minnesota: T. S. Denison, 1972, pp. 41-51.
- Lewis, Alethia. <u>A True Fairy Tale</u>. Boston: Christopher Publishing House, 1952, 107 pp.
- McGuire, Edna. <u>They Made America Great</u>. New York: MacMillan, 1957, pp. 269-274.
- McNeer, May Yonge and Ward, Lynd K. <u>Armed With Courage</u>. New York: Abingdon Press, 1957, pp. 39-54.
- Manber, David. <u>Wizard of Tuskegee:</u> The Life of George Washington Carver. New York: Crowell-Collier Press, 1967, 168 pp.
- Martin, Fletcher, ed. Our Great Americans: The Great Negro Contribution to American Progress. Chicago: Gamma Corp., 1953, pp. 93-94.

- Mason, Miriam Evangeline and Cartwright, William H. Trail Blazers of American History. Boston: Ginn, 1961, pp. 244-254.
- Means, Florence Crannell. <u>Carver's George, a Biography of George</u> Washington Carver. Boston: Houghton, Mifflin Co., 1952, 176 pp.
- Merritt, Raleigh H. From Captivity to Fame; or, The Life of George Washington Carver. Boston: Meador Publishing Co., 1938, 196 pp.
- Meyer, Edith Patterson. <u>Champions of the Four Freedoms</u>. Boston: Little, Brown, 1966, pp. 178-194.
- Miller, Basil William. George Washington Carver, God's Ebony Scientist. Grand Rapids, Michigan: Zondervan Publishing House, 1943, 166 pp.
- Miller, Basil William. Ten Boys Who Became Famous. Grand Rapids, Michigan: Zondervan Publishing House, 1946, 83 pp.
- Moderow, Gertrude. People to Remember. Chicago: Scott, Foresman, 1960, pp. 149-165.
- Morris, Richard B., ed. Encyclopedia of American History. New York: Harper, 1961, p. 684.
- Nelson, Rose Karen. Carver of Tuskegee. New York: New York Service Bureau for Intercultural Education, 1939, 6 pp.
- Ovington, Mary White, The Walls Came Tumbling Down. New York: Harcourt, Brace and World, 1947, 307 pp.
- Pereira, Arty. They Won Fame and Fortune. Shahadera, Delhi, India: Hind Pocket Books, 1973, pp. 104-109.
- Phelps, George Allison. Holidays and Philosophical Biographies. Los Angeles; House-Warven, 1951, pp. 25-31.
- Powell, Lucille Rader. <u>Ten All-American Boys</u>. Philadelphia: Dorrance, 1971, pp. 41-55.
- Pullen, Alice Muriel. Despite the Colour Bar, the Story of George Carver, Scientist. Student Christian Movement Press, 1946, 121 pp.
- Richardson, B. A. <u>Great American Negroes</u>. New York, The Thomas Y. Crowell Co., 1956, 339 pp.
- Rogers, Joel Augustus. World's Great Men of Color. New York: J. A. Rogers, 1947, vol. 2, pp. 633-641.
- Rothwell, Melvin Thomas. <u>George Washington Carver, a Great Scientist</u>. Chicago: Van Kampen Press, 1944, 48 pp.

- Schnittkind, Henry Thomas, and Schnittkind, Dana Arnold (pseud. Henry Thomas and Dana Lee Thomas). <u>Fifty Great Americans</u>. Garden City, New York: Doubleday, 1948, pp. 348-357.
- Schnittkind, Henry Thomas and Schnittkind, Dana Arnold (pseud. Henry Thomas and Dana Lee Thomas). Living Biographies of Great Scientists. Garden City, New York: Perma Giants, 1950, 314 pp.
- Simmons, Sanford. Great Men of Science. New York: Hart Book Co., 1955, pp. 51-57.
- Smith, Alvin D. George Washington Carver, Man of God. New York: Exposition Press, 1954, 76 pp.
- Southworth, Gertrude (Van Duyn) and Southworth, J. V. D. <u>Heroes of</u> <u>Our America</u>. Syracruse, New York: Iroquois Publishing Co., 1952, pp. 366-372.
- Stevenson, Augusta. <u>George Carver, Boy Scientist</u>. New York: The Bobbs-Merrill Co., 1944, 202 pp.
- Strong, Jay. Famous Heroes of the Ages. New York: Hart Publishing Co., 1958, pp. 182-191.
- Thomas, Henry. George Washington Carver. New York: Putnam, 1958, 126 pp.
- Thomas, Henry and Thomas, Dana Lee (pseud. of Henry Thomas Schnittkind and Dana Arnold Schnittkind). <u>Fifty Great Americans</u>. Garden City, New York: Doubleday, 1948, pp. 348-357.
- Thomas, Henry and Thomas, Dana Lee (pseud. of Henry Thomas Schnittkind and Dana Arnold Schnittkind). <u>Living Biographies of Great Scientists</u>. Garden City, New York: Perma Giants, 1950, 314 pp.
- Toppin, Edgar A. <u>A Biographical History of Blacks in America Since 1528</u>. New York: McKay, 1971, p. 266.
- Washington, Booker T. <u>My Larger Education</u>. Garden City, New York: Doubleday, Page and Co., 1911, 313 pp.
- Welch, Helena. When They Were Children. Nashville, Tennessee: Southern Publishing Association, 1965, pp. 103-106.
- White, Anne Terry. <u>George Washington Carver; The Story of a Great</u> <u>American</u>. New York: Random House, 1953, 182 pp.
- Yost, Edna. <u>Modern Americans in Science and Technology</u>. New York: Dodd, Mead, 1962, 175 pp.

Periodical References & Other Literature

- Alba, N. C. "Carver," <u>Negro History Bulletin</u>, vol. 22 (December, 1958), p. 59.
- Asimov, Isaac. "Carver, World in a Peanut," <u>Senior Scholastic</u>, vol. 74 (April 17, 1959), p. 11.
- Beaubien, P. L. and Mattes, M. J. "George Washington Carver National Monument," Negro History Bulletin, vol. 18 (November, 1954), pp. 33-38.

"Black Leonardo," Time, vol. 38 (November 24, 1941), pp. 81-82.

- Block, Maxine, ed. Current Biography. New York: H. W. Wilson Co., 1940, pp. 148-150.
- Brown, R. W. "Research Laboratory, the Carver Foundation," <u>Science</u>, vol. 115 (May 23, 1952), p. 562.
- Bunche, Ralph J. "The World Significance of the Carver Story," an address delivered at the 3rd annual Christian liberal arts festival at Simpson College, Indianola, Iowa (October 6, 1956), 8 pp.
- "Carver National Monument to be Dedicated," <u>Christian Century</u>, vol. 70 (October, 1953), p. 765.
- Childers, James Sacon. "A Boy Who Was Traded For a Horse," <u>The American</u> <u>Magazine</u>, vol. 114 (October, 1932), pp. 24-25+.
- Childers, James Sacon. "A Boy Who Was Traded For a Horse," <u>Reader's</u> <u>Digest</u>, vol. 30, no. 178 (February, 1937), pp. 5-9.
- Clark, M. G. "Champions of Freedom," <u>Instructor</u>, vol. 75 (January, 1966), p. 111+.
- "Dr. George Washington Carver Stamp," <u>Hobbies</u>, vol. 52 (December, 1947), p. 126.
- Elliott, L. "Beyond Fame or Fortune," <u>Reader's Digest</u>, vol. 89 (May, 1965), pp. 259-262.
- Fenner, M. S. and Soule, J. C. "George Washington Carver: The Wizard of Tuskegee," <u>National Education Association Journal</u>, vol. 35 (December, 1946), pp. 580-581.
- Ford, E. C. "Visit with George Washington Carver," <u>Negro History Bulletin</u>, vol. 17 (October, 1953), p. 5.
- German, B. "I Knew George Washington Carver," <u>Middle School</u>, vol. 67 (May, 1953), pp. 14-15.

- "Goober Wizard: Negro Scientist Turns Peanuts Into Vital Crop," Literary Digest, vol. 123 (June 12, 1937), pp. 20-21.
- High, S. "No Greener Pastures," <u>Reader's Digest</u>, vol. 41 (December, 1942), pp. 71-74.
- Kingsley, Ruth Reynard. "The Peanut Story," <u>Highlights for Children</u>, vol. 22, no. 7 (August-September, 1967), pp. 22-23.
- "Let Us Pray," Christian Century, vol. 57 (April 3, 1940), pp. 445-446.
- Love, R. L. "George Washington Carver: A Boy Who Wished to Know Why," <u>Negro History Bulletin</u>, vol. 30 (January, February, March, 1967), pp. 13-15, 15-18, 15-19.
- Luce, Claire B. "Saintly Scientist," <u>Vital Speeches</u>, vol. 13 (February 1, 1947), pp. 241-245.
- Lynch, James P. "Milking the Peanut," Popular Science Monthly, vol. 96 (April, 1920), p. 74.
- Martorella, P. H. "Negro's Role in American History," Social Studies, vol. 60 (December, 1969), pp. 318-325.
- Massie, S. P. "George Washington Carver Story," Chemistry, vol. 43 (September, 1970), pp. 18-21.
- Moehlman, Arthur B. "George Washington Carver, Master Teacher," <u>Nation's</u> Schools, vol. 31 and 32 (March, 1943), p. 13.
- "Monument to a Scientist Educator," <u>School Life</u>, vol. 40 (October, 1957), p. 10.
- Moss, W. W. "Peanut Man," Time, vol. 29 (June 14, 1937), p. 54.
- Moss, W. W. "Peanuts, How Scientist's 145 Varieties Helped Lowly Goober to Rise," Popular Science Monthly, vol. 102 (May, 1923), p. 68.
- National Cyclopedia of American Biography. New York: James T. White and Co., 1947, vol. 33, pp. 316-317.
- "A Negro Chemist," The Literary Digest, vol. 83 (December 13, 1924), p. 25+
- "New Research to Honor a Negro," Newsweek, vol. 10 (September 6, 1937), p. 20.
- "New Scientific Foundation and It's Founder," Commonweal, vol. 31 (March 15, 1940), p. 441.

"Our Country is Richer Because of their Lives," <u>Instructor</u>, vol. 59 (May, 1950), p. 23.

- Paris, L. "Wizard of the Soil," Senior Scholastic, vol. 72 (May 7, 1958), p. 11. "Peanut Man," Time, vol. 29 (June 14, 1937), p. 54. "Prayer that Prevails," Christian Century, vol. 57 (May 8, 1940), p. 603. Remmers. W. E. "Education of a Scientist," Negro History Bulletin, vol. 20 (March, 1957), pp. 130-32. Stewart, O. "Carver of Tuskegee," Scribner's Commentator, vol. 10 (May, 1941), pp. 12-16. "Story of George Washington Carver," Instructor, vol. 62 (February, 1953), p. 15. Taylor, A. W. "South Honors Negro Chemist," Christian Century, vol. 54 (May 26, 1937), p. 686. "Temple of the Peanut: Negro Scientist Pledges \$33,000 Project," Newsweek, vol. 15 (February 26, 1940), pp. 42-44. Thomas, H. and Thomas, D. L. "Science Milestone: Excerpt From Fifty Great Modern Lives," Science Digest, vol. 42 (September, 1957), pp. 85-90. Tobias, C. H. "Some Outstanding Negro Christians," Missionary Review of the World, vol. 59 (June, 1936), pp. 297-298. Tokunage, M. "Contribution of the Negro to Science and Invention," Negro History Bulletin, vol. 18 (April, 1955), p. 154. Turner, G. C. "For Whom is your School Named?" Negro History Bulletin, vol. 19 (February, 1956), p. 111.
- U. S. Congress. Senate. Committee on Public Lands and Surveys. George Washington Carver National Monument, Missouri. Joint hearings, 78th Congress, 1st Session, on S. 37, S. 312 and H. R. 647. Washington: U. S. Government Printing Office, 1943, 63 pp.
- Wright, C. W. "George Washington Carver, an American Scientist," Journal Chemical Education, vol. 23 (June, 1946), pp. 268-270.
- Wright, Clarence W. "Negro Pioneers in Chemistry," <u>School and Society</u>, vol. 65 (February 1, 1947), pp. 86-87.

Publications by Carver

"Plants as Modified by Man," B.A. Thesis, Iowa State College, 1894.

- "Grafting the Cacti," Report of the Iowa State Horticultural Society, 1893, pp. 257-259.
- "Best Ferns for the North and Northwest," Iowa Agricultural College Experiment Station Bulletin, no. 27 (1895), pp. 150-153.
- "Treatment of Currants and Cherries to Prevent Spot Diseases," Iowa Agricultural College Experiment Station Bulletin, no. 30 (1895), pp. 289-301.
- "Fungus Diseases of Plants at Ames, Iowa, 1895," Proceedings of the Iowa Academy of Sciences, vol. 3 (1895), pp. 140-148. By George Washington Carver and L. H. Pammel.
- "Inoculation Experiments with Gymnosporan Gium Macropus LK," <u>Proceedings of</u> the Iowa Academy of Sciences, vol. 3 (1895), pp. 162-169. By George Washington Carver and F. C. Stewart.
- "Our Window Gardens," Iowa Agricultural College Experiment Station Bulletin, no. 32 (18%), pp. 516-525.
- "Many Food Products Can Be Made from Peanut and Sweet Potato," The American Food Journal, vol. 16, no. 8 (August, 1921), p. 20.
- Forty-four bulletins and seven circulars were published by Tuskegee Institute from 1898 to 1943. The bulletins contain information on soil building, crop rotation, property improvement, use of natural fertilizers, utilization of local natural resources and expanded industrial use of farm products. The circulars deal with farming and the home use of agricultural products.