

Robert L. Fuqua Applied Science and Technology Scholarship

Background and Administrative Information

January 2010

Overview:

This is a merit-based scholarship awarded to one graduating senior from St. John High School, in St. John, Kansas, each year on a nonrenewable basis. The purpose of this scholarship is to help further the education of students who have demonstrated outstanding knowledge, interest and abilities in applying science and technology to solve problems.

Application Review Criteria:

The following requirements must be met by the student to be eligible for the scholarship.

1. Submit a properly prepared application with all associated supporting documentation.
2. Be a graduating senior from St. John High School.
3. Have at least a 3.0 grade point average (4.0 point scale).
4. Be a citizen in good standing in the community.
5. Pursue any field of study leading to a BS degree.
6. Plan to attend any community college or four year college or university.

Every member of the Selection Committee will be provided with a copy of each student's application and will review and score each application according to the following guidelines.

1. Items 3, 4, and 7 of the application are worth up to 10 points each for a maximum score of 30.
2. Item 8 is worth up to 70 points total. Items 8a. and 8b. are worth up to 5 points each and should be judged for historic and technical accuracy. Item 8c. is worth up to 50 points and should be judged for creativity and effectiveness of the solution. Item 8d. is worth up to 10 points and should be judged for an honest self assessment.
3. A maximum score on items 3, 4, 7, and 8 is for responses that are exceptional and well thought out. Lesser scores can be applied if the responses are less impressive or contain historic or technical errors. A score of 0 is for inconsistent or rambling responses.
4. Each Selection Committee member will tabulate the scores they give to each applicant.

Selecting the scholarship winner:

The Selection Committee members will compile their results and determine the winner based on the highest score.

Special Considerations:

In the event of a tie or some other unusual circumstance, Mr. Fuqua will make the final selection.

If any student who applies for the scholarship is related to any Selection Committee member, that member will be disqualified and replaced by another person from the same or similar subject

matter area. If a relative of Mr. Fuqua applies, he will disqualify himself and not be replaced, and the winner will be chosen by the Selection Committee based on the compiled scoring.

In the event that the winner is not able to attend college/university as planned, the Selection Committee will review the circumstances to determine if the scholarship should be held for the original winner, re-awarded to the applicant with the next highest score, or not awarded for that school year. The Selection Committee will make a recommendation to Mr. Fuqua, who will make the final decision. For example, if the winner is not able to attend the college/university due to some unforeseen circumstance beyond their control, such as illness or Selective Service draft, then there is good reason to hold the scholarship for them until they can attend. Other circumstances, such as imprisonment, would result in forfeiture of the scholarship.

In the event that a winner is not picked, the scholarship funds will be kept in the scholarship's Expenditure Fund with the South Central Community Foundation.

In the event of Mr. Fuqua's death or incapacitation, the Selection Committee will decide the winner based on the compiled scoring.

Mr. Fuqua's Background:

Mr. Fuqua grew up in Seward, Kansas and graduated from St. John High School in 1967. He was keenly interested in all things scientific and technical and was always working on some kind of project such as; using a microscope to observe and identify the life forms found in standing water, designing and flying model rockets and airplanes, and taking apart and rebuilding all kinds of electrical and mechanical devices. He also read any scientific and technical book or magazine he could find. It was a natural step then that he received a BS in Mechanical Engineering from Kansas State University in 1971. Upon graduation he joined the Air Force and was sent to language school for a year of total immersion in the Laotian language and then he attended a six month school in intelligence analysis. From there he was assigned to the National Security Agency (NSA) in Ft. Meade, Maryland where he worked as an intelligence analyst. After four years in the Air Force, he started working at NSA as a civilian. Over the years he held various analytic, management and technical leadership positions performing intelligence analysis on foreign missile and space programs. In addition to this technical work, Mr. Fuqua has always had a keen interest in education and training and taught many courses as an Adjunct Faculty member of NSA's National Cryptologic School (NCS). His final position at NSA was as the Dean of the Center for Cryptology at the NCS. He retired in 2002 after a 30 plus year career in intelligence and he and his wife, Linda Donovan (who also retired from NSA), subsequently moved to the gulf coast of Florida. Mr. Fuqua can usually be found bicycle riding, sea kayaking, SCUBA diving for fossils, restoring an old British sports car, tending his 70 gallon mini-reef aquarium, and observing/photographing the stars and planets with his telescope.