

The 2014 Davis-Bahcall Scholars Program

Application Deadline: January 15, 2014

Do you have a passion for science and a desire to pursue a career in Science, Technology, Engineering, or Math (STEM)? Are you looking to jumpstart a future research career? Will you be a freshman or sophomore in a South Dakota University or have a home address in South Dakota in the Fall of 2014? Then you could be a 2014 Davis-Bahcall Scholar!

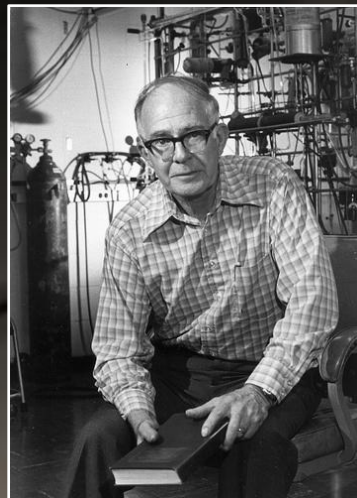
Fifty years ago this month, Professors Ray Davis and John Bahcall proposed an experiment to confirm the nuclear processes taking place at the core of the sun by placing a large tank of dry cleaning fluid a mile underground. This experiment - which took place at the Homestake Gold Mine in Lead, SD – changed our understanding of particle physics, and led to a Nobel Prize in physics for chemist Ray Davis. Today underground laboratories across the world are continuing the work started by these two scientists.

Up to 12 students will be chosen to participate in this all-expense paid summer-study program. Two students enrolled at South Dakota universities will be designated South Dakota Space Grant Consortium Davis-Bahcall Scholars.

Program Summary

Davis-Bahcall Scholars will have the chance to spend five weeks of their summer exploring the world of modern scientific research at some of the nation's leading laboratories and universities. They will spend two weeks at the Sanford Underground Research Facility, and travel to research laboratories in the U.S. and Italy (pending funding).

Coursework will cover physics, plus a variety of other science and engineering topics. Participants will have the opportunity to interact and learn from distinguished professors from all over the world. College credit will be offered. Before and/or after the program optional paid internships may be available (must commit to 4-5 weeks).



Sanford
Underground
Research
Facility



For more information and application forms, visit:

<http://doe.sd.gov/secretary/scholarships.aspx>

Applications are due January 15, 2014. Interviews with finalists will take place in February, and 2014 Scholars will be chosen by mid- March.

The Davis-Bahcall Scholars program is sponsored by 3M Corporation, the South Dakota Space Grant Consortium, the South Dakota Science and Technology Authority, the State of South Dakota Department of Education, the ICECube collaboration, and South Dakota Experimental Program to Stimulate Competitive Research (EPSCoR).

(Background photo: Davis campus by Steve Babbitt (BHSU)).