



# SENIOR SCIENCE SOCIETY NEWSLETTER

Volume 5, No. 4  
July 2017

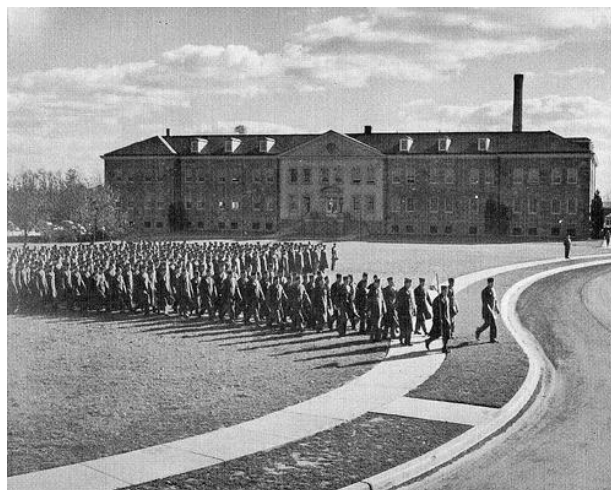
**General Members Meeting  
Monday, 14 August 2017, 7:00 P.M.  
HCC Chesapeake Center  
Dining Hall South**

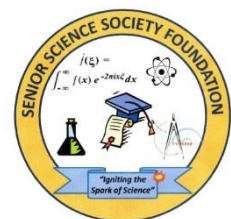
**This will be a very special GMM, with the presentation of Transfer Scholarships to HCC graduates going on to four-year colleges in STEM, our annual election of Board Members and Officers, a guest presenter (details forthcoming), and a little extra time specifically devoted to member and guest socialization. Come early and enjoy discussing your interests and ideas with the group.**

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## Celebrating Aberdeen Proving Ground's Centennial

On October 20, 1917 APG was established with the mission of testing and developing Army weapons, and it continues that mission today. The APG Centennial Celebration Association (ACCA) was established to help APG develop a year-long celebration of APG's service to the nation and the local community. A number of major events have already taken place such as the APG Live Fire demonstration and dedication of a memorial to all those who lost their lives performing their mission. There are many more events being held both on APG and within the county. Of particular interest is an open house of the major organizations at APG on October 20, 2017. Additionally there will be an APG Centennial Gala celebration held that evening. Visit [apg100.org](http://apg100.org) for information on these and more upcoming events celebrating APG's role and legacy.





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## THE END OF ANOTHER YEAR

As our fiscal year has just come to an end (30 June), and along with it my term as President in August, I thought it an appropriate time to share a few thoughts. The SSS will be entering its tenth year this fall, and I'm happy to say that most of our founding members are still among our ranks. These folks have served tirelessly throughout the years, and I commend all who have stayed the course, as well as those who have since joined us. During this past year I am pleased to report that many general members joined those on the Board by taking an active role in our hands-on science demonstrations performed in our schools, libraries, Boys & Girls clubs, and other venues. This year saw new records in personal contact hours with the students, with other accomplishments including establishment of procedures to better reach our potential audiences and to upgrade our ability to support event leaders and presenters. And of course we continue to self-fund transfer scholarships to HCC graduates going on to four-year colleges in STEM, as mentioned in the article below. Much about us is available on our recently updated website [www.seniorsciencesociety.org](http://www.seniorsciencesociety.org), ranging from organizational matters to current calendar information and a rather detailed summary of our activities during the past year.

While this is all really good stuff, the truth is that we are all getting a day older every day! Once again, I will close with an appeal for you to consider increasing participation in the SSS: run for office, join the Board, head a committee, develop a new module, become a presenter, attract new members, or suggest new opportunities for the SSS. Many of our events now take place in the evenings, not in conflict with daily work schedules. As I've said many times, the work of the SSS is not only important to those we serve but also highly satisfying to those involved in this almost decade long effort to "ignite the spark of science" in county youth – and by doing so, perhaps improve the lives of the many they will live and work with in the future.

Thanks to all – Al Horst

### Meet Your 2017 SSS Transfer Scholarship Winners

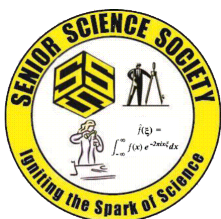
The SSS will be awarding our \$2,500 Transfer Scholarships to three outstanding students who are graduating from the HCC STEM Associate Degree program. All three are transferring to the University of Maryland College Park to complete a Bachelor's Degree.

**James Butler** : Mechanical Engineering with a special interest in automotive engineering and electric cars.

**Austin Hancock**: Engineering with a focus on civil engineering and site design.

**Nicholas Shrout**: Chemical Engineering with a strong interest in renewable energy.

We look forward to meeting them at the GMM on August 14th.



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## Senior Science Society to Help Develop ATHEC

The APG Technology Heritage and Education Center (ATHEC) is a project that grew out of the Aberdeen Proving Ground Centennial Celebration Association (ACCA) that is providing ongoing events during 2017. ACCA's long-term goal is to create a permanent center, ATHEC, which will help preserve the history and highlight the current technical contributions of APG to the research community. In addition, it will provide educational opportunities for students to explore and advance their interests in STEM, as briefly outlined below. One site being considered for the center is the former Aberdeen High School building located on Philadelphia Blvd in Aberdeen. There are many ideas being developed for the center:

1. Display of historical artifacts
2. Hands-on technical demonstrations
3. Educational projects (Destination Imagination, robotics, etc.)
4. Tutoring and specialty technical classes
5. Tourist attractions (stargazing trips, lectures, etc.)

The role that the SSS will play is to help with the hands-on demonstrations, provide mentors and guidance for projects, and provide input in other areas as the project develops. The Board of Directors for ATHEC is being assembled and will emerge as the APG centennial year and associated programs complete their objectives and goals for 2017 and beyond. There is quite a bit of planning and organization to do. More information about this project can be garnered at the website: [apg100.org](http://apg100.org). The SSS POC is Rob Lieb ([roblieb@comcast.net](mailto:roblieb@comcast.net)).

SSS  
Foundation  
Corner

"And the  
winner is ..."

## Senior Science Society Foundation Awards STEM Scholarship

In 2014, the SSSF initiated a competitive STEM scholarship award open to Harford County High School seniors planning to obtain a Bachelor's Degree in science, engineering or mathematics.

The SSSF recently awarded its 2017 STEM Scholarship to Jacob Garnett, an outstanding student at Harford Technical High School. Jacob will be entering the University of Maryland College Park to pursue a Mechanical Engineering degree, with additional studies in Material Sciences.

Jacob is an eager self-starter who already has used his engineering and CADD interests to successfully create and complete his BSA Eagle Scout project.

We wish Jacob well in his studies and all of his future endeavors.



Jacob Garnett (second from right) is all smiles upon receiving a \$1,500 scholarship from the Senior Science Society Foundation. Helping Jacob hold the big check are SSSF directors (from left) Debi Gable, Susan Luckan and Bruce Burns.