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Eight Seniors Enter Westinghouse Science Competition

By Kenro Kusumi

For the first time in the North Carolina School of Science and Mathematics's four-year history, eight Science and Math seniors are entering the Westinghouse Science Talent Search. This prestigious competition is sponsored by the Westinghouse Electric

Corporation and the Science Service.

In this contest, high school seniors from across the United States enter their completed science or math research projects; 40 students are then selected as semifinalists and attend a conference in Washington, DC.

Winning the Westinghouse competition is like the "Nobel Prize" for high school students; indeed, several nobel laureates have been among the former Westinghouse winners.

The eight seniors entering the competition from the NCSSM are: Ed Bradford, Will Carr, Melvin Deal, Laine Doggett, Lynne Haven, Allen Nuttle, Tushar Shah, and Craig Steffee. To get an idea of what these students have been working on, the following are brief summaries of their projects:

Ed Bradford's project is entitled "An Organic Dye-Laser Using a Modified Flash System." In layman's terms, Bradford worked on a laser which, instead of using a crystal or gas main element, uses a solution of the dye--coumarin 30. Why build an organic laser? Bradford explained, "I just wanted to build a laser, but I couldn't afford all the expensive equipment; so I designed a new approach using low-cost materials."

Will Carr's research focused on "The Spatial Orientation of Crayfish Using Plane Polarized Light." Carr has been interested in behavioral research for many years and is now conducting research with wood preference in termites.

Melvin Deal worked on transforming business computers for use in the Durham Water Laboratories. This computer research involved language translation to fit the specific needs of the lab.

While some NCSSM students spent the summer bumming out at the beach, Laine Doggett researched at the Duke Marine Laboratories in Beaufort. Her project is titled "Manipulator



Board of Trustees members join students for lunch in the cafeteria.

Trustee Bell Shares Impressions, Advice

By Rae Moseley
and Laura Woodworth

The seldom-seen-on-campus organization that shapes our fate more closely than we realize, the NCSSM Board of Trustees, met on Friday, December 2, to discuss long-range plans for the school and hear reports on the school's progress. To help dispel some of the mystery surrounding this group of 24 men and 2 women, THE STENTORIAN spoke briefly with trustee William Bell.

Bell is a native North Carolinian who makes his home in the Triangle area. He is Manager for Technology and Development of the IBM corporation.

Bell is one of the charter members of the Board of

Trustees, having begun his stint several years ago before the school first opened. "As one of the original board members, I have seen the school grow," he says.

When asked what his favorite thing about being a board member was, Bell answered without hesitation, "Meeting students." He was unable to cite a least favorite thing about his position, for he says he enjoys all of the responsibilities that are a part of a trustee position.

Bell exhorts NCSSM students to work hard to get everything we possible out of life. He reminds us, too, that an education is not a free ride. He says that students "should be proud to give something back."

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