Dear CHROME Sponsors, Students, Alumni, and Friends,

It is my pleasure to take a few moments to comment regarding the past, present, and future of this great organization! This year has been one of Renewal…Renewal of our dedication to CHROME’s mission to increase opportunities for underrepresented minority and female students to enter math, science, engineering, and related technical fields. This renewal has taken place through activities like the Board of Directors Retreat last summer and the Sponsor Launch in the fall. These events allowed us to reflect on the organization’s 25 years of history. And, this review of the past has enabled us to develop a roadmap for the future.

This year was also characterized by a focus on Reengineering. The establishment of CHROME clubs in Maryland and North Carolina has helped us to expand our vision and raise our expectations. We have also partnered with the Peninsula school divisions, business organizations, and colleges in an effort to establish a Governor’s Academy for Innovation, Technology, and Engineering. This project is in its initial planning stages, but we hope to be awarded additional funding to proceed with the implementation phase. CHROME Clubs like The Susie Keele Community Club have demonstrated ingenuity through cooperative relationships with supporting area businesses like the Norfolk Naval Shipyard. In addition, the Board of Directors has continued to develop relationships with organizations that are aligned with our mission, and the Board has labored to reinforce our infrastructure in order to support another 25 years of growth.

You may wonder what else is left after an organization has gone through this process of renewal and reengineering. But, in the year ahead, you will find CHROME dedicating a significant amount of time to Recognition.

Over the next year,
- CHROME will recognize more Club Sponsors, Students, and Club Activities
- CHROME will reach out to Alumni
- CHROME will issue Engineering-Based Learning Modules
- CHROME will conduct competitions designed to stimulate student interest in engineering
- CHROME will enlist more Engineers and Scientists to visit our Clubs
- CHROME will reveal a new look for its website
- CHROME will conduct a symposium where students from different clubs will interact
- CHROME will host a 25th Anniversary Celebration.

CHROME’s role in increasing the presence of underrepresented minority and female students in Engineering, Science, Technology, and Mathematics remains at the forefront as we continue to Renew the Past, Reengineer the Present, and Recognize the Future.

Sincerely,
Gregory C. Dudley
CHROME, Inc.,
Board Chair

For more information Contact Theodosia Wyatt at (757) 683-6035, twyatt@odu.edu, or the address on the back cover
Sponsor Launch, September 2007

Sponsor Launch 2007 was held at Smithfield Middle School, Smithfield, Virginia on September 29, 2007. The Launch was an amazing kickoff for CHROME teachers/sponsors that served as a truly inspirational energy to help begin the school year for our clubs. Sponsors started their day with messages from Sharon Waters, Ph.D., Board Chair Emeritus, Gregory Dudley, Board Chair, Susie Keele, Program Chair, and Roger Hathaway, Ph.D., NASA Langley.

A wealth of varied techniques for engaging our students in career opportunities in engineering, mathematics, science and technology were offered over several sessions. The sessions included information on Community Involvement and Service Learning: Ways to Encourage Young Folks, The Dozoretz National Institute for Mathematics and Applied Sciences, The National W. E. B. DuBois Honor Society, the Virginia Air and Space Center, CHROME Clubs: The Blueprint, and Forum Discussion: Best Practices.

(Continued on page 10)

Pictorial Tour

Above, Left and Center, Smithfield Middle School; Right, A Warm Welcoming to the school

Above, Left and Center, Susie Keele Breaks the Ice; Right, Board Chair Emeritus Sharon Waters shares a few words

Above, Left, Board Chair Gregory Dudley welcomes those in attendance; Center, Presentation of Thanks to Sharon Waters; Right, A candle is lighted in memory and honor of those killed and injured at Virginia Tech
Pictorial Tour, continued

Above, Left and Center, A Good Showing; Right, Dr. Roger Hathaway of NASA Langley gives the Keynote Address

Above, Left, Dr. Aliecia McClain, Director of DNIMAS, Norfolk State University; Center, Bill Lee, Education Programs Manager, Virginia Air & Space Center; Right, Dr. Freddye Davy, Director, Honors College, Hampton University, and Berlena Taylor, Sponsor, Eaton Middle School Hampton

Above, Left, Kim Finger, Wicomico County School Board, and Roland Finger, Counselor, Mardela High School, Wicomico; Center, Forum Discussion: Best Practices; Right, Frank Gomez, ECPI College of Technology

Above, Left, Toni Dixon, Department of Engineering, Norfolk State University; Center, Courtney Sova, Virginia Aquarium and Science Center; Right, A Pleasant Surprise Discovered While Eating Lunch
Tree Dedicated to Late CHROME Student Nicole White

In October (2007), CHROME conducted a tree dedication ceremony for Nicole White, a former Smithfield Middle School student and one of the victims of the Virginia Tech shooting. I had a wonderful experience being able to speak at the ceremony and being able to even be a part of it. The tree was planted in the courtyard. We hope that this provided her parents with some comfort in knowing that Nicole will not be forgotten. Personally it has inspired me to value each day.

— Smithfield Middle School Student Emily Claudio, Emcee

FROM TOP, LEFT TO RIGHT:
FROM THE DEDICATION STONE;
NICOLE’S TREE;
FLUTE ENSEMBLE: “ONE IS WISE TO CULTIVATE THE TREE THAT BEARS FRUIT IN OUR SOUL” — HENRY DAVID THOREAU
PASTOR DR. KIM SHIVERS SPEAKS;
EIGHT GRADE GIRLS’ ENSEMBLE
VICE PRINCIPAL WAYNE CARTER SPEAKS; NICOLE’S PARENTS, DAVID AND PATRICIA WHITE, SPEAK WITH OTHERS AFTER THE CEREMONY

CHROME Club Wins ODU Engineering Design Competition

Landstown Middle School’s CHROME Club took first place in the Middle School Division for the Egg Drop. The Egg Drop was one of the many Design Competitions sponsored by Old Dominion University during its annual Engineering Open House held on February 16, 2008.

The goal of the design competition was to construct an apparatus that allowed an uncooked egg to survive a 25-foot free fall intact. The design of the apparatus was to emphasize the mechanical principles of energy absorption.

Seventh grade CHROME Club member Tristan Baez had the winning design that earned him a certificate and the $75 top prize.

Congratulations!

Deductible Giving United Way Campaign: write in “CHROME”; Combined Federal Campaign (CFC): write in “CHROME”
Communities of Research: Discovery, Innovation and Entrepreneurship

Old Dominion University’s Annual Research Exposition was held April 9, 2008, at the Ted Constant Convention Center. From Old Dominion University:

Since 2004, the Annual Research Exposition at ODU has promoted collaboration and multidisciplinary research, enhanced partnerships among Hampton Roads’ academic institutions, publicized and celebrated our ongoing research, and inspired new research relationships.

For the 2008 Annual Research Exposition the Virginia Tidewater Consortium for Higher Education (VTC) collaborated once again with Eastern Virginia Medical School (EVMS), Norfolk State University (NSU), and Old Dominion University (ODU) to increase the scope of regional research and collaboration among the institutions and regional, corporate and governmental entities.

Participants were invited from educational and research facilities, businesses and the general public to share research interests and accomplishments, find collaborators and inspire their colleagues by taking part in this research celebration.

This year’s keynote speaker was Richard Alley, the Evan Pugh Professor of Geosciences at Penn State. Dr. Alley’s current research interests include “glaciology, ice sheet stability, and paleoclimates from ice cores.”

Posters by researchers, faculty and students from Hampton Roads’ Higher Education institutions and federal laboratories were displayed; there were also several discussion panels.

CHROME students were involved by presenting some of their scientific projects, serving as guides and helpers, as well as having the opportunity to interact with researchers and having their own refreshment area and guest speakers, including Board Chair Greg Dudley and Doctoral student Kara Olson. CHROME Director of Educational Resources and Programs Theodosa Wyatt contributed many hours to the Steering Committee.

Thank you to all for their participation!

Reflection: Research Expo

The CHROME mission came alive for me on April 9, 2008. The Research Expo, hosted by Old Dominion University, attracted a significant number of elementary, middle, and high school students. I watched as they made their way around the center, stopping to admire the beautiful works of other students, along with their own. However, the real joy for me was in witnessing their enthusiasm at Mr. Greg Dudley’s presentation on Robotics. Each time he asked a question, an eager hand would shoot up, awaiting the chance to share his/her views on the material. When it came time to participate in the hands-on activity, the students bombarded the front of the room trying to secure their spot in front of the brand new colored pencils and crayons. As I stepped back to observe and take pictures, I could not help but to think of what an awesome experience they had been afforded, and needed. The students came from various ethnic and racial backgrounds, but it was most heartening to see the minority students engaged in the work. I realized at that moment how vital CHROME is to the development of students, particularly minorities. It is essential to their development as people that they be allowed the space to expand their minds. I felt the affirming spirit that seemed to loom over the students that solidified their place, if just for a moment, in the world of technology. Most importantly, the experience indirectly planted the seed for a desire to excel as creative geniuses.

— Kimberly Liburd, Hampton University Honors College, Graduated May 2008; Completed her Volunteer Community Outreach with CHROME this Spring

Young PHDs in Engineering Held at ODU

CHROME, in cooperation with The Batten College of Engineering and Technology of Old Dominion University, proudly presented the Institute for Young PHDs (Persons Having Dreams) in Engineering. The program was held on May 3, 2008. During the program, students were introduced to age-appropriate hands-on experiences in several engineering disciplines. Thank you to all those who made this event possible!
2007 – 2008 CHROME End-of-Year Senior Report

Please return by June 16 to CHROME, Inc.,
P.O. Box 1394, Norfolk, VA 23501-1394, or FAX (757) 683-6031

High School: ________________________ School District: ________________

Student Information

Last Name: ________________________ First Name: ________________________ Middle Initial: ______

Home Address: ________________________ Apartment Number: ______

City: ________________________ State: ______ Zip Code: ______

Home Phone Number: _______________ E-mail Address: ________________________

Career Interests

What College or University are you planning to attend? ________________________

What is your intended major? ________________________

Did you receive any scholarships for college? ______ If so, please list them below:

<table>
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<tr>
<th>Name of Scholarship</th>
<th>Amount of Scholarship</th>
<th>Renewable?</th>
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<td>(1) _____________________________</td>
<td>$ __________</td>
<td>Yes</td>
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<tr>
<td>(2) _____________________________</td>
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<td>Yes</td>
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<tr>
<td>(3) _____________________________</td>
<td>$ __________</td>
<td>Yes</td>
</tr>
</tbody>
</table>

If college is not in your immediate plans, what are your plans?

Are you interested in joining a CHROME Alumni Association? ___ Yes ___ No

Personal Information

Gender: ___________ Date of Birth: _________________ Age: ______

Ethnicity (please check all that apply)

___ Black/African-American ___ Asian-American ___ Filipino-American

___ White/Euro-American ___ Hispanic-American ___ Native American ___ Other

When did you participate in CHROME? (please check all that apply)

___ Elementary School ___ Middle School ___ High School

High School Class Rank: ______ of ________ Grade Point Average: ______________

SAT Scores: Math: ________ Science: ______________

In which CHROME-related programs did you participate in high school?

Please list ALL math courses you completed in high school:

Please list ALL science courses you completed in high school:

Thank you for your time completing this survey!
Good luck in your future endeavors, and keep in touch!!
Deadline: June 16, 2008

Sponsor Name: _________________________________________________________________

CHROME Club: _______________________________________________________________

Number of CHROME Club students: ____________

Please list CHROME-related activities in which you were involved this year:
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Please list any awards or recognitions you have received this year:
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Is there any personal news/accomplishments that you would like to share? (weddings, special summer plans, etc.) Please describe.
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Please FAX this completed form to (757) 683-6031
Please complete one section per meeting/activity.

<table>
<thead>
<tr>
<th>CLUB NAME</th>
<th>__________________________________________________________________________</th>
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<tbody>
<tr>
<td>Date of Meeting/Activity</td>
<td>Location ______________________ # Students ______</td>
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<tr>
<td>Speaker’s Name</td>
<td>Organization ______________________</td>
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<td>Type of Activity/Comments</td>
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| Speaker’s Name | Organization ______________________ | |
| Type of Activity/Comments | ______________________________________ | |

| Date of Meeting/Activity | Location ______________________ # Students ______ |
| Speaker’s Name | Organization ______________________ | |
| Type of Activity/Comments | ______________________________________ | |

PLEASE FAX COMPLETED FORMS TO: (757) 683-6031
Keep a copy of the original in your files!
CHROME Board Chair Gregory Dudley Recognized as a Top Forty Under 40

CHROME Board Chair Gregory Dudley has been recognized by Inside Business, the Hampton Roads Business Journal, as one of the Top Forty under 40.

“Looking at Greg Dudley’s long list of community service activities, you begin to notice a trend. Many of the organizations that Dudley participates in are geared toward motivating young people.

The reason for that, said Dudley, an Engineer III at Northrop Grumman Newport News, goes back to his days at Denbeigh High School when he was considering what to do with his life.

“There was a period when I was younger and I had questions,” Dudley said. “There were a limited number of folks who were available to answer those questions.”

Dudley found his answers by participating in CHROME, Cooperating Hampton Roads Organization for Minorities in Engineering, an organization that gets pre-college students interested in engineering careers.

Today Dudley is Chairman of CHROME’s Board of Directors, allowing him to give back to the Group that helped motivate him to earn a mechanical engineering degree from Virginia Tech, work his way through the shipyard’s engineering ranks, and get just six credits away from a master’s degree in engineering management.

His efforts don’t stop with CHROME. Dudley is active in the Alpha Phi Alpha fraternity and serves as program coordinator for the local MegaGenesis: Go-to-High School, Go-to-College program. The event brings high school students together with representatives from college and career-oriented programs. He even holds the committee meetings at his house.

As busy as those and other commitments keep him, Dudley believes they only complement his professional career by taking the skills learned through community work and putting them back in the workplace.

“A lot of my leadership skills have been cultivated through participation in those organizations,” he said.

In 2005, Dudley receive a national honor, the Black Engineer of the Year for Community Service in Industry, at the Black Engineer of the Year Awards Conference.

When time permits, he manages to relax by listening to music and hitting the gym.

—Michael Schwartz

Congratulations!

Junior Rangers

Come join the staff of Sandy Bottom Nature Park for a week of fun and adventure. Jr. Rangers is a week long day camp for children ages 7 to 12 that teaches many valuable outdoor skills while having tons of fun. Educational classes on local wildlife, wetlands, and pollution will be taught along with outdoor skills such as what to do if lost in the woods, canoeing, fishing, and much more. On Thursday the children will need to be dropped off and picked up at Grundland Creek Park. If you are interested in joining this camp, please stop by Sandy Bottom Nature Park or contact Park Ranger Jesse Taylor at (757) 825-4810 and he can provide you with any other necessary information. Cost is $50 per CHROME student. Hours are from 9AM to 1PM Mon.-Fri. Please choose one of the following weeks:

July 21 – July 25
July 28 – August 1

for a day of climbing the Alpine tower and rock wall.

Come join the staff of Sandy Bottom Nature Park for a week of fun and adventure. Jr. Rangers is a week long day camp for children ages 7 to 12 that teaches many valuable outdoor skills while having tons of fun. Educational classes on local wildlife, wetlands, and pollution will be taught along with outdoor skills such as what to do if lost in the woods, canoeing, fishing, and much more. On Thursday the children will need to be dropped off and picked up at Grundland Creek Park. If you are interested in joining this camp, please stop by Sandy Bottom Nature Park or contact Park Ranger Jesse Taylor at (757) 825-4810 and he can provide you with any other necessary information. Cost is $50 per CHROME student. Hours are from 9AM to 1PM Mon.-Fri. Please choose one of the following weeks:

July 21 – July 25
July 28 – August 1

for a day of climbing the Alpine tower and rock wall.
Quick Takes

Sponsor Launch 2008 will be on Friday, October 3, 2008, from 8 a.m.—3 p.m.

~

Please turn in your Senior Reports by June 16. These are essential for CHROME to continue receiving funding. Even an incomplete set can be helpful.

Please also turn in your Activity Reports and Sponsor Reports by June 16.

~

CHROME is preparing to celebrate its 25th anniversary! Events are currently being considered. If you have any suggestions or would like to help, please contact the office at (757) 683-6035. Thank you!

Sponsor Launch 2007, continued

(Continued from page 2)

Many representatives were present with their calendars to sign up for visiting clubs as guest speakers. These organizations will send a speaker to present hands-on activities for the students in the club. Some of the organizations included Jefferson Lab, ECPI, NASA Langley, Old Dominion University Department of Mechanical Engineering, Norfolk State University Department of Engineering, Nauticus, and Virginia Aquarium & Marine Science Center.

Most heartfelt was a candlelight dedication to the late Nicole Regina White, a Smithfield High School graduate, and to all persons killed and injured at Virginia Tech.

Thanks to the awesome Smithfield Middle sponsors and administrators for helping to make this a memorable Sponsor Launch.

“WE MUST NOT, IN TRYING TO THINK ABOUT HOW WE CAN MAKE A BIG DIFFERENCE, IGNORE THE SMALL DAILY DIFFERENCES WE CAN MAKE WHICH, OVER TIME, ADD UP TO BIG DIFFERENCES THAT WE OFTEN CANNOT FORESEE.” — MARIAN WRIGHT EDELMAN, ACTIVIST FOR CHILDREN’S RIGHTS