

Elements

CHEMICAL
EDUCATIONAL
FOUNDATION

Promoting the Importance of the Industry/Community Equation

A Publication of the Chemical Educational Foundation

Vol. 1, Issue 3 • Summer 2005

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A Challenging Success!

What precipitate forms when limewater is exposed to air? This question didn't stump eighth grader Maggie Leake of Verona, IL. With her correct answer of calcium carbonate she became CEF's first ever National *You Be The Chemist* Challenge (YBTCC) champion!

On June 3, Maggie and five other excited contestants gathered at the Chemical Heritage Foundation (CHF) in Philadelphia, PA, and geared up for a "challenge!" The other contestants were Kyle Hanson, 8th grade, Morris, IL; Tracy Martinez, 8th grade, Elk Grove Village, IL; Cody Franklin, 6th grade, Houston, TX; Kelsie Suter, 6th grade, Cypress, TX; and James Brown, 8th grade, Webster, KY. These six students, who each won local level Challenges to qualify for the National event, had spent the previous month vigorously preparing to be quizzed on important chemistry concepts, discoveries, and safety tips.

The audience, which consisted of more than thirty family members and industry representatives, were on the edge of their seats as the impressive group of six battled their way through 234 questions before a winner was declared. Maggie Leake and first runner-up Kyle Hanson both received an educational savings bond from CEF. All of the participants received a CHEMC1000 chemistry set, a gift certificate to the Discovery Channel Store, a trophy, and a YBTCC lab coat and t-shirt!

The historical charm of downtown Philadelphia was the back drop for the two-day event that celebrated the importance of chemistry. In addition to the academics of the competition, students, parents, and local level Challenge organizers were also able to participate in different chemistry related events around the city. They were led on a tour of the historical artifacts housed at CHF, and were able to spend an afternoon exploring the wonders of science on display at the Franklin Institute.

The success of the first year has sparked strong interest for the 2005-2006 competition and all of the localities that participated in our first year of competition intend to participate again and involve more schools and companies in their respective areas! The Challenge has the potential to grow in leaps and bounds in the coming years and we'd love to include your community! Don't be left out of the excitement of a Challenge! For more information on how easy it is to sponsor a local level Challenge in your area, please contact CEF staff at 703/527-6223.

Congratulations and thank you to everyone who contributed to the great success of the first ever *You Be The Chemist* Challenge competition!

YBTC Challenge Collaboration Success

"The You Be the Chemist Challenge is one of the best activities that we have done this year. It is such an outstanding collaboration - in our case the Chemical Educational Foundation, Arch Chemicals, the Arch Community Advisory Panel, and Meade County Schools. We look forward to expanding the program in Meade County in 2006."

Peggy Darnell

Facilitator, Arch Chemicals Inc. Community Advisory Panel and organizer of Meade County's 2004 - 2005 local level YBTCC competition.

In This Issue...

Page 1

- Board of Trustees
- YBTC National Challenge
- YBTC Challenge Collaboration

Page 2

- Award Schedule
- Special Thanks

Page 3

- Lesson Plan Competition
- Community Awards
- CEF Welcomes New Staff Member

Page 4

- Vanguard Award
- Bulletin Series

Page 5

- CEF on the Road
- Upcoming Events

Page 6

- Contributor Spotlight
- CEF Website
- Telly Award

2005 Award Schedule

We encourage you to get members of your community involved and win some awards! Below is an update of the Award schedule for the remainder of 2005. Call Cori Bradley at 703/527-6223 ext. 116 for more details.

Award Schedule:

You Be The Chemist Challenge

September 1 – March 31 – 2005-2006 Local Level *You Be The Chemist* Challenges

June 2, 2006 – National *You Be The Chemist* Challenge

Community Awards for Chemical Safety

Currently Accepting Nominations

September 26 – Deadline Submission

October 7 – Winner Announced

Late October – Winners Awarded, Washington, DC (Ceremony details coming soon!)

You Be The Chemist Lesson Plan Competition

Currently Accepting Nominations

October 21 – Deadline for Submissions

November 14 – Winners Announced

Vanguard Award

Currently Accepting Nominations

October 10 – Deadline Submission

November 2 – Winner Announced

December 1 – Award Ceremony, Miami, FL

Please e-mail us if you would like information on any of our Award programs at comments@chemed.org or please visit our Web site at www.chemed.org.

Thank You!

CEF would like to thank the companies that sponsored local level *You Be The Chemist* Challenges during the 2004-2005 school year:

Air Products & Chemicals

Akzo Nobel Surface Chemistry

Arch Chemicals

Aux Sable Liquids

Carus Chemical Co.

Expo Chemical Co.

Huntsman Chemical

Midwest Generation

Orica Nitorgen

UOP, LLC

CEF would also like to thank the individual *You Be The Chemist* Challenge Champions who organized the event at the local levels. Without their dedication and hard work, the success of the National competition would not have been possible.

Virginia Bate, Houston, TX

Peggy Darnell, Brandenburg, KY

Laura Dornbusch, Houston, TX

Stan Frey, Des Plaines, IL

Pat Neff, Morris, IL

Lynn Solorio, Morris, IL

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Lesson Plan Competition

Educators in your community can win \$1,000 for doing what they do every day! CEF's 2005 Lesson Plan Competition is off and running and we are seeking creative lesson plan submissions from your community.

Teachers are encouraged to enter lesson plans for grades K-8 that highlight innovative investigations and exciting experiments on the subject of chemistry.

CEF will award \$1,000 as first prize, \$500 for 2nd place entries, and \$250 for 3rd place entries in the three categories of Scientific Inquiry, Structure of Matter, and Safety and Recycling. The winning lesson plan entries and their authors will be published on the CEF Web site, www.chemed.org.

This year CEF is adding an extra prize for those who submit early! The first 50 entrants to the competition will receive a complimentary *You Be The Chemist* kit.

For complete guidelines and submission categories, visit http://www.chemed.org/Lesson_Plan.html or contact Cori Bradley at 703/5276223 ext. 116.

Contest deadline is October 21, 2005.

"I believe that students need to know as much about items in their physical world as they can. Through tools available in the study of chemistry, students can make connections they never saw before. I appreciate the opportunity CEF provides by sponsoring this program. They certainly encourage creative and constructive approaches to chemistry education.

Ken O'Konis
South Windsor, CT
2004 Runner-Up

Community Award

Local Emergency Planning Committees (LEPCs) nationwide are producing innovative chemical education and safety programs, and CEF wants to hear about the outstanding work that emergency personnel are doing in your community! Show your community LEPC the appreciation that they deserve – nominate them for the 2005 Community Award for Chemical Safety!

For those who aren't familiar with the Community Awards, they are given annually to LEPCs who best display a commitment to public safety, industry partnerships, and chemical safety awareness education. Award submissions are evaluated on programmatic and outreach efforts that have taken place during the previous calendar year.

Due to the wide variety of populations served by LEPCs, the Community Awards have been divided into three population-based categories:

- A) 50,000 and under
- B) 50,001 – 250,000
- C) 250,001 – and above

The submission deadline for this year's Awards has been extended to September 26, 2005.

This year's winners will be awarded at a ceremony held in Washington, DC, in late October. This is an exciting change of events for CEF, please stay tuned for updates on details of the Award ceremony!

Past winners have included: Deer Park Local Emergency Planning Committee of Deer Park, Texas; Nueces County Local Emergency Planning Committee of Corpus Christi, Texas; Erie County Local Emergency Planning Committee of Buffalo, New York; and North Central Florida Local Emergency Planning Committee of Gainesville, Florida.

"It's great to know the many hours of hard work generated by our LEPC members has been realized by an organization such as CEF."

Joye McElwee, Director,
Greene County Office of Emergency Management
Springfield, MO

For more information or to obtain a submission form, please visit our Web site at http://www.chemed.org/Community_Award.htm or contact Cori Bradley at 703/527-6223 ext. 116.

CEF Welcomes New Staff Member

CEF would like to welcome the newest member of our staff, Cori Bradley. Cori, a recent graduate of James Madison University in Harrisonburg, VA, joins the CEF team as our Programs and Outreach Assistant. Cori can be reached at 703/537-6223 ext. 116 or by e-mail at cbradley@chemed.org. Welcome Cori!

The Vanguard Award Needs Your Involvement

"I am deeply thankful for the honor that you have conferred upon me and on Arch Chemicals with the Vanguard Award. This only makes us [Arch] more excited to draw upon your wonderful tools and programs in our community outreach, and to excel at other initiatives aimed at enhancing the entire chemical industry's reputation."

Michael Campbell
Chairman, President, & CEO
Arch Chemicals Inc.
2004 Vanguard Award Recipient

Let us know of a chemical industry colleague who you think deserves the 2005 Vanguard Award! The Award honors an individual whose leadership, commitment, and efforts help advance CEF's goals of educating and informing the industry's stakeholders and promoting the benefits and safe handling of chemicals. For a nomination form visit http://www.chemed.org/Vanguard_Award.htm or contact Cori Bradley at 703/527-6223 ext. 116.

Previous Vanguard Award Winners

1995- **John Johnstone**, Retired CEO and Chairman of the Board, Olin Corporation

1996- **John R. Hess, III**, Chairman, John R. Hess & Co. Inc., and **Jean Bélanger**, Retired President, Canadian Chemical Producer's Association

1997- **Robert A. Roland**, Retired President, Chemical Manufacturers Association

1998- **Earnest W. Deavenport**, Chairman & CEO Eastman Chemical Company

1999- **A. Wayne Tamarelli**, Chairman & CEO of Dock Resins Corporation, and **G. Stephen Robins**, President of G.S. Robins and Company

2000- **J. Roger Hirl**, President & CEO of Occidental Chemical Corporation

2001- **Mark Kramer**, Senior Vice President - Industrial Chemicals East, Vopak USA

2002- **M. Blouke Carus**, Chairman of Carus Corp., and **Audley C. Harlow**, (ret.) Executive Director of the Canadian Association of Chemical Distributors

2003-**Laura Dornbusch**, President, Expo Chemical Company

2004-**Michael Campbell**, President, Chairman, & CEO, Arch Chemicals Inc.

Bulletin Series

CEF has added two new Bulletins to its series. CEF now has a total of five Bulletins available to help you educate your company's employees, customers, and community members on various chemical safety awareness topics!

New! – *The Safe Handling & Disposal of Paint* – A six-point guide offers tips consumers should keep in mind as they purchase, store, and dispose of household paint. The Bulletin also describes the proper way to remove lead paint. CEF created this Bulletin in partnership with the National Paint and Coatings Association.

New! – *Responsible Packaging Management* – Five steps that describe the best practices associated with the proper and post-use management of empty industrial packaging for chemical distributors. This Bulletin was created in partnership with the Reusable Industrial Packaging Association.

The new Bulletins join a series that includes:

Chemicals in the Home – An informational guide for consumers on the proper use and disposal of chemical household products and waste.

It's Elementary and Beyond – An instructional guide that serves as a starting point for information on chemical safety in the elementary and middle school classroom.

LEPCs, SERCs, CAPs, and TRANScuer – A guide to these groups, what they do, and how they can benefit your community's health, safety, security, and environmental protection. This Bulletin was created in partnership with the National TRANScuer committee.

Examples of these Bulletins and a letter suggesting ways to utilize them in your community were recently sent to all CEF contributors and NACD members.

The Bulletins are easy to distribute, inexpensive, and powerful outreach tools!

Foundation Contributors – Have your company logo printed on the back of the Bulletin(s) of your choice. Printing Bulletins bearing the name and logo of your company helps emphasize your company name recognition and prompts Bulletin recipients to view your company as more than a business, but also as a concerned community partner.

For more information, please contact Cori Bradley at 703/527-6223 ext. 116.

CEF on the Road

To expand the promotion and implementation of programs and publications, the CEF staff hit the road this past spring to attend educational and chemical industry events nationwide. In addition to attending events, we also had the opportunity to plan some of our own. The following list highlights a few of the events in which we've recently participated.

McGee Elementary School, Johnston County, NC, April 1: CEF kicked off April with Managing Director John Rice visiting North Carolina to meet with individuals who helped organize the distribution of more than 700 *You Be The Chemist* kits in one county!

A special thanks to Charkit Chemical Corporation and the Johnston County School Board for collaborating to organize the distribution of the kits! Charkit's President and Vice President, Charles and Bryant Hinnant, respectively, have long been supporters of CEF and Charkit is a valued contributor to the Foundation's educational efforts.

John, Charles Hinnant, and a representative from the School Board also visited with educators and students such as —Angela Baker's 4th grade class — as they conducted a *YBTC* kit experiment with their guests.

Earth Day Celebration, Philadelphia, PA, April 22: "A World We Share ... Take Time to Care," was the theme of the 35th annual Earth Day event hosted by U.S. EPA Region III. During the event, held in Philadelphia's Love Park, CEF displayed programs and publications to a wide variety of audience members, including schools and science, environmental, and governmental organizations and departments.

Houston Area Local Level *You Be The Chemist* (YBTC) Challenge, Houston, TX, April 25: The students at Cypress Christian Community School proved that everything IS big in Texas — including their intelligence! More than fifty students at the school participated in a local level You Be The Chemist Challenge competition. CEF staff member Laurel Brent traveled to Texas and served as a judge in the competition that was organized by Expo Chemical Company (Expo) of Houston. Thank you to Elton and Laura Dornbusch, owners of Expo, for their continuous support of CEF educational programs through their generous contributions and involvement in CEF program implementation in their own community!

CEF Board Meeting, Washington, DC, April 25: Although we didn't have to travel far ourselves, CEF was excited to have our Trustees in town for a great meeting! The Trustees met for an update on the Foundation's activities and to discuss what would be going on in the coming months. Thanks to Trustee Joe Acker, President of the Synthetic Organic Chemical Manufacturers Association, and his staff for being such gracious hosts for our meeting.

Upcoming Schedule of Events

- September 8 – CEF Board Dinner, Midland, Michigan
- September 9 – CEF Board Meeting, Midland, Michigan
- September 14-16 – NACD's OPSEM, San Jose, California
- October 4 – Make a Difference Day
- October 18-22 – National Chemistry Week
- November 3-5 – National Middle School Association Conference, Philadelphia, Pennsylvania
- November 15 – America Recycles Day
- December 1 – Vanguard Award Presentation, Miami Beach, Florida

Please visit our Website at www.chemed.org.

Contributor Spotlight

Van Horn, Metz, and Company, Inc.

Silly putty! Racing Raisins! Ice Cream! What could these three things possibly have in common? A group of over 100 Cub Scouts in Bryn Athyn, PA knows the answer to that question. They are all products of chemistry experiments that helped them earn their Scientist Belt Loop at the annual Washington District Cub Scout Day Camp!

The week long event, held at a local elementary school, includes one day dedicated to the teaching of science. This year's activities were organized by Barry Fisher, Executive Vice President of Van Horn, Metz, & Co. (VHM) of Conshohocken, PA and CEF.

Fisher with the assistance of CEF staff members, Laurel Brent and Cori Bradley, conducted several different chemistry experiments from CEF's *You Be The Chemist* kit, to introduce the Cub Scouts to some important chemistry concepts and safety tips. These concepts included an understanding of the scientific method, Pascal's Law, and Newton's first and third laws. After conducting experiments older Cub Scouts, the Webelos, were also able to build rockets and launch them at the end of the day!

Fisher began working with the local Boy Scouts over ten years ago when his son joined the Cub Scouts in first grade. Fisher's involvement has continued over the years and he now serves as Assistant Scoutmaster in his oldest son's Boy Scout Troop, as Den Leader for his youngest son's Webelos Cub Scout Den and Membership Committee Chair for his district.

"The Cub Scouts look forward to these science events. The experiments at the Day Camp make science fun for young boys and hopefully help the Cub Scouts think of chemistry as a career and leave them with an understanding that chemicals can be beneficial and safe." Fisher stated.

In addition to the work that Fisher does for the Boy Scouts he also teaches a *You Be The Chemist* class in the Hatboro Horsham School District. VHM also contributes to the Conshohocken community and surrounding areas in other ways. The company recently sponsored a Soap Box Derby, donated fire fighting materials to the Montgomery County (PA) Fire Academy, and has also worked to include two full time firemen in the company's HazMat training, along with sponsoring other local community events.

A long-time supporter of CEF, VHM is an independent factory-packed and bulk/liquid distributor. They distribute specialty chemicals to a variety of industries including coatings, rubber, ink, adhesives, plastics, and lubricants. VHM is also an active member of the National Association of Chemical Distributors where Fisher serves as the Northeast Region Director at Large.

For more information on the Boy Scouts, please visit <http://www.scouting.org>.

To find out more about Van Horn, Metz & Co. please visit <http://www.vanhornmetz.com>.

And the Telly Goes To...CEF!

This past spring, the DVD included in the *You Be The Chemist* kit won national acclaim in the 26th Annual Telly Awards! CEF's DVD, created in partnership with the Art Institute of Washington, was honored in the categories of Education, Multi-Media, and Animation.

The Telly Awards is a widely known and highly respected award competition that receives over 10,000 entries in local, regional, and cable TV commercials and programs, as well as video and film productions.

Link Your Community to CEF!

Further improve your community relations by linking CEF's Web site – www.chemed.org – to your Web site! As a contributor to the Foundation, you can easily introduce customers and community members who visit your company's Web site to your involvement in educational outreach initiatives on behalf of the chemical industry.

Information on the benefits of chemistry and chemicals is just a click away! Call Cori Bradley, CEF Programs and Outreach Assistant, at 703/527-6223 ext 116.

Tell Us About It...

CEF is interested in hearing from you! We'd like to hear the great ideas you have on how to educate your community on the benefits of chemicals, chemistry, and chemical safety. We're also here to help – let us know if you have an event that you would like us to help promote in your local area! We are always eager to find new ways to help you utilize CEF programs.

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