

Team Moms:

Join a BDPA Chapter in honor of Mother's Day—help develop apps for *Tech-Savvy* healthy kids!

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WHAT'S INSIDE:

BDPA Members head back to Washington next month to attend one of the Regional HSCC and CS-STEM Conferences this year.

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The **Apps for Healthy Kids** competition is a part of First Lady Michelle Obama's **Let's Move!** campaign to end childhood obesity within a generation.

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Advancing technical careers from the classroom to the board room

BDPA DC

washington, dc chapter

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Vice President Biden Announces Recovery Act Funding for 37 Transformational Energy Research Projects

Service Chiefs Promote STEM
CNO to Keynote National BDPA Technology Conference in July



New ARPA-E projects in 17 states will accelerate innovation in clean energy technologies, increase America's competitiveness and create jobs. *DoE photo*

Washington, D.C. | April 29, 2010—Vice President Biden and Energy Secretary Chu announced that the U.S. Department of Energy (DoE) is awarding \$106 million in funding through the Advanced Research Projects Agency – Energy (ARPA-e) for 37 ambitious research projects that could fundamentally change the way the country uses and produces energy. In particular, these projects could produce advanced biofuels more efficiently from renewable electricity instead of sunlight; design completely new types of batteries to make electric vehicles more affordable; and remove the carbon pollution from coal-fired power plants in a more cost-effective way. “These projects show that the U.S. can lead the next Industrial Revolution in clean energy technologies, which will help create new jobs, spur innovation and economic growth while helping to cut carbon pollution dramatically,” said Secretary Chu.

“I applaud all the winners—and the applicants—of this second round of funding. Our nation
See *ARPA-e* Page 5



Photo credit: U.S. Navy

Washington, DC—The 29th Chief of Naval Operations, Admiral Gary Roughead, USN will be the guest of honor and keynote speaker at the annual premiere event of the National BDPA (NBDPA), formerly Black Data Processing Associates. This event will be held on July 31, 2010 at the Marriott Downtown in Philadelphia, Pennsylvania. Admiral Roughead will address this distinguished audience of congressional leaders, senior staff, industry leaders, state and local government representatives, other senior uniformed and civilian Department of Defense leaders, college interns and high school students from NBDPA Chapter cities, NBDPA Corporate Sponsors, and NBDPA members. **See *CNO*, Page 5**



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bdpatoday photo: Kyle Carter

Washington, D.C.—The Patriots Technology Training Center (PTTC) hosted their 13th Annual Youth Summit on Technology last month at Bowie High School, in Prince George's County, Maryland. PTTC's programs include Youth Summit on Technology, Summer Camp, and After School Programs. PTTC also engages in Lego, Robotics, Tri-Math-A-Lon and Science Bowl competitions. Their students also attend National Society of Black Engineers (NSBE) conferences.

"Empowering Students Through Technology" has been PTTC's mantra for twelve years by increasing the number of students entering science, mathematics, engineering, and computer technology leading to college education and career paths in those interrelated fields. Over one hundred parents, students, sponsors, and BDPA members regularly participate in this annual Science, Technology, Engineering, and Mathematics (STEM) event. PTTC partners with major technology firms, government agencies, and foundations to support their mission.

For more information and event photos, visit Patriots Technology Training Center's web site: www.patriots-ttc.org. **bt**

06.04.10 — Growing Strong *IT* Relationships



Our Next MBE & IT Networking Events

The Washington, D.C. Chapter of BDPA (BDPA-DC) will kick-off its 2010 community outreach and fundraising events by hosting its annual regional technology conference, the regional High School Computer Competition (HSCC), and community awards luncheon **June 4-5, 2010** at the Washington, D.C. Navy Yard and Bowie State University. This year's honorees include HBCU/MI Project Office (HPO), Joint Educational Facilities (JEF), Microsoft, and Oracle. Visit www.ncr-bdpa.org for registration and additional details. BDPA Members should register by **May 15, 2010**. Remaining unreserved seating will be released to the public on May 17, 2010.

BDPA members and stakeholders continue to network during these regional events to form special interest groups (SIGs) within their respective regions. BDPA Chapters provide technical and professional support along with professional development services while cultivating strategic industry partnerships. Visit our national Groupsite and other local chapter sites for events and related industry announcements. To find local BDPA events, visit our chapter's website at www.ncr-bdpa.org for meeting and event locations or call our national office in Largo, MD at 800.727.BDPA (2372). **bt**



TeraGrid '10
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National High School Computer Competition
July 2010—Philadelphia, PA
800.727.BDPA (2372) | www.bdpa.org



EVENTS CALENDAR 2010-2011

WOMEN OF COLOR STEM CONFERENCE

A multi-cultural event for men and women in the science, technology, engineering, and mathematics fields.

October 28-29, 2010

Sheraton Dallas Hotel
Dallas, Texas

<http://www.womenofcolor.net>



SAVE THE DATES

CCG EVENTS

BEYA STEM GLOBAL COMPETITIVENESS CONFERENCE

February 18-20, 2010
Baltimore Convention Center
Baltimore, Maryland
www.beya.org

BLACK FAMILY TECHNOLOGY AWARENESS WEEK

February 14-20, 2010
www.blackfamilynet.net

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needs breakthroughs in technology now more than ever. About half of the growth in GDP since World War II came from development and adoption of new technologies. These innovative scientists and engineers are the kind of people to lead our nation in the development of the new energy technologies that will grow new sectors of our economy—and the jobs that come with them—which will be the key to our competitiveness over the next 50 years,” said Congressman Bart Gordon, Chair of the House Committee on Science and Technology.

The grants will go to projects in 17 states. Of the lead recipients, 24 percent are small businesses, 57 percent are educational institutions, 11 percent are national labs, and 8 percent are large corporations. In supporting these teams, ARPA-E seeks to bring America's brightest scientists and innovators together from diverse fields to pioneer a secure and prosperous energy future for the nation. The awards are part of an overall \$100 billion investment the Recovery Act is making in creating jobs and driving economic growth through innovation, science and technology.

This second round of ARPA-E-funded research projects focuses on three critical areas:

- ***“Electrofuels” - Biofuels from Electricity***
- ***Better Batteries - Batteries for Electrical Energy Storage in Transportation (“BEEST”)***
- ***Zero-Carbon Coal: Innovative Materials & Processes for Advanced Carbon Capture Technologies (“IMPACCT”)***

Over 540 initial concept papers were received in the three focus areas. Of those, approximately 180 full applications were encouraged, and 37 final awardees were selected through a rigorous review process with input from multiple review panels composed of leading U.S. science and technology experts and ARPA-E’s program directors. Evaluations were based on scientific and technical merit and the potential for high impact on our national energy and economic goals.

The Recovery Act was signed into law on February 17, 2009 as the country faced the greatest economic crisis in a generation. The Act was designed to create jobs and drive economic growth through a combination of tax relief for individuals and businesses, aid to hard-hit families and state and local governments and funding for science, technology and infrastructure projects across the country.

For more information regarding related “Green IT” careers, grants, and projects, visit www.doe.gov or www.grants.gov.

CS-STEM | Service Chiefs Supporting Community Outreach

The Chief of Naval Operations (CNO) is the senior military officer of the Department of the Navy. Having earned the rank of four-star admiral, Admiral Roughead is responsible to the Secretary of the Navy for the command, utilization of resources and operating efficiency of the operating forces and shore activities for the Navy assigned by the Secretary. As a member of the Joint Chiefs of Staff (JCS), the CNO is the principal naval adviser to the President and to the Secretary of the Navy on the conduct of war, and is the principal adviser and naval executive to the Secretary on the conduct of activities of the Department of the Navy.

NBDPA will convene their 32nd Annual National BDPA Technology Conference, National High School Computer Competition (HSCC), National IT Showcase (ITSC), Youth Technology Conference (YTC), National Career Fair and Technology Expo from July 28 to July 31, 2010. The Marriott Downtown in Philadelphia, PA will serve as this year's conference headquarters.

Recently, other service chiefs provided keynote addresses and inspirational messages to young men and women interested in Computer Science-STEM (CS-STEM), or entering technical fields.

bt



Members of the Stars and Stripes Committee look on as Air Force Chief of Staff Gen. Norton Schwartz gives the keynote address on Feb. 19, 2010, at the 5th Stars and Stripes tribute dinner, which is part of the 24th Annual Black Engineer of the Year Awards (BEYA) Conference held this past February in Baltimore. This year's tribute dinner's theme is Saluting the Role of Our Military. The conference seeks to recognize a growing cadre of diverse professionals who are contributing to America's competitiveness and serving as role models to historically underrepresented groups in the sciences. General Schwartz emphasized that in order to maintain the world's best Air and Space force it is imperative to attract, recruit, train and retain the skilled scientists and engineers needed to create tomorrow's aerospace leaders. (U.S. Air Force photo/Jim Varhegyi)

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- Social Networks
- Community Websites
- Faith-based Websites
- Family Websites
- Reunion & Special Event Groups

What people are saying:



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VentureBeat

David Adewumi, contributing writer, Venturebeat

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- Transportation and Hospitality
- State/Local Government & Education

Can BDPA Chapters and Other Not-For-Profits Help the U.S. Combat Childhood Obesity?

Making Moves For a Healthier Generation



Official White House Photo by Samantha Appleton

In February, President Barack Obama signed a memorandum on childhood obesity in the Oval Office (above). From left are, Education Secretary Arne Duncan, Health and Human Services Secretary Kathleen Sebelius, Agriculture Secretary Tom Vilsack, First Lady Michelle Obama, and Interior Secretary Ken Salazar.

"It's done, honey," President Obama said to The First Lady as he signed a Presidential Memorandum establishing a task force on childhood obesity to address the growing health epidemic. "Now we work," she responded.

The new task force is charged with developing an interagency action plan to solve the problem of obesity among our Nation's children as part of the First Lady's **Let's Move** campaign. The campaign will take a comprehensive approach to engage both public and private sectors to help children become more active and eat healthier within a generation, so that children born today will reach adulthood at a healthy weight.

Within 90 days, the task force will develop and submit to the President a comprehensive interagency plan that details a coordinated strategy, identifies key benchmarks, and outlines an action plan. Members of the task force include: the Secretary of the Interior; the Secretary of Agriculture; Secretary of Health and Human Services; Secretary of Education; Director of the Office of Management and Budget; Assistant to the President and Chief of Staff to the First Lady; Assistant to the President for Economic Policy; and heads of other executive departments, agencies, or offices as the Chair may designate.

Speaking at an event later, the First Lady explained what motivated her to take this on: "These words – 'overweight' and 'obese' – they don't tell the full story. This isn't just about inches and pounds or how our kids look. It's about how our kids feel, and how they feel about themselves. It's about the impact we're seeing on every aspect of their lives." [Source: White House Blog]

bt



<http://letsmove.gov>

APPS For Healthy Kids



Apps For Healthy Kids

The **Apps For Healthy Kids** competition is a part of First Lady Michelle Obama's **Let's Move!** campaign to end childhood obesity within a generation. **Apps for Healthy Kids** challenges software developers, game designers, students, and other innovators to develop fun and engaging software tools and games that drive children, especially "tweens" (ages 9-12) – directly or through their parents – to eat better and be more physically active.

Childhood obesity or excess weight threatens the healthy future of one third of American children. America spends approximately \$150 billion every year to treat obesity-related conditions, and that number is growing. Obesity rates tripled in the past 30 years, a trend that means, for the first time in our history, American children may face a shorter expected lifespan than their parents. **We need to get moving!**

For BDPA Members, Coaches, and Team Moms

Contact BDPA-DC to get started. Tools and games should be built using USDA's nutrition dataset recently made available to the public through the Open Government Initiative. This dataset provides information on total calories, calories from "extras" (solid fats and added sugars), and **MyPyramid** food groups for over 1,000 commonly eaten foods. USDA is seeking new, innovative, creative tools or games which use USDA's dataset to deliver nutrition and health concepts in fun and engaging ways.



The first YMCA branch in the association to host a **Y Interactive Zone**, powered by **XRKade** — an interactive gym featuring a wide array of digital games — Alexandria is leading the YMCA's fight against childhood obesity. Donnie Shaw (YMCA), Diane McDade (Whole Foods), and Perry Carter (BDPA-DC) exhibit and tour the Northern Virginia YMCA facility during **Healthy Kids Weekend**. Send BDPA your **APPS for Fitness** stories.

Government 2.0 | Visit www.data.gov Administration Highlights Proposed FY11 IT Investment Plans

In May of 2009, Data.gov was launched to enhance access to Federal data. In September, Apps.gov was launched to provide Federal agencies easy access to new cloud computing and social media technologies. This enabled agencies to transform their computing services quickly and avoid months of delay and redundancy. These efforts try to demonstrate the Federal Government can implement new technologies to solve old problems quickly and cost-effectively. In 2011, the Obama Administration will build upon these efforts to leverage the power of technology to transform the Government and meet its responsibilities to manage IT resources with a bold new strategy to guide the Federal enterprise. Download Section 19: Federal IT 2011

► http://www.bdpatoday.org/docs/FedBudget-2011_IT.pdf



Washington, D.C.—Innovative use of technology in government continues in 2010. The Administration will enhance [Data.gov](http://www.data.gov) and [USASpending.gov](http://www.usaspending.gov) to improve transparency and openness of the Government, acquire and deploy new social media technologies to improve citizen engagement, explore using innovative tools to improve the collaboration and effectiveness of the Federal workforce, and initiate pilot projects in cloud computing to transform how the Government provides computing services while taking steps to improve the security of Federal information and systems.

In 2011, the Administration will build upon this foundation and further increase transparency by providing more data of greater detail and quality, institutionalizing the use of social media and other tools for citizen engagement and Federal workforce collaboration, migrating successful cloud computing pilots to mainstream production services, consolidating data centers to reduce costs and environmental impacts, and increasing the security profile of all Federal information and systems.

BDPA's SITES programs, such as the IT Showcase and High School Computer Competition (HSCC) likely will remain eligible for Federal Grants when supporting CS-STEM programs, health IT, and STEM Workforce development initiatives. BDPA Chapters may contact federal agencies directly, BDPA-DC or visit www.grants.gov for additional eligibility and grant information. **bt**

BDPA-DC Regional HSCC, IT Showcase, and Technology Conference



June 4-5, 2010

- ✓ Technology & Career Workshops
- ✓ Quarterly Recruiters' Roundtable
 - For Senior IT Professionals
- ✓ Regional High School Computer Competition (HSCC)
- ✓ Regional IT Showcase (ITSC)
- ✓ Advanced Planning Briefing to Interns (APBi) for Fall 2010
 - Graduate, College and High School Interns
 - December 2010/January 2011 deadlines

Register Online by May 15
www.ncr-bdpa.org

For more information on BDPA, BDPA's academic, public, and private sector engagements in the National Capital Region (NCR), join BDPA-DC! Visit the organization's Groupsites enhanced by Groupsites.com.
<http://bdpa-dc.groupsites.com>



Many Sounds.



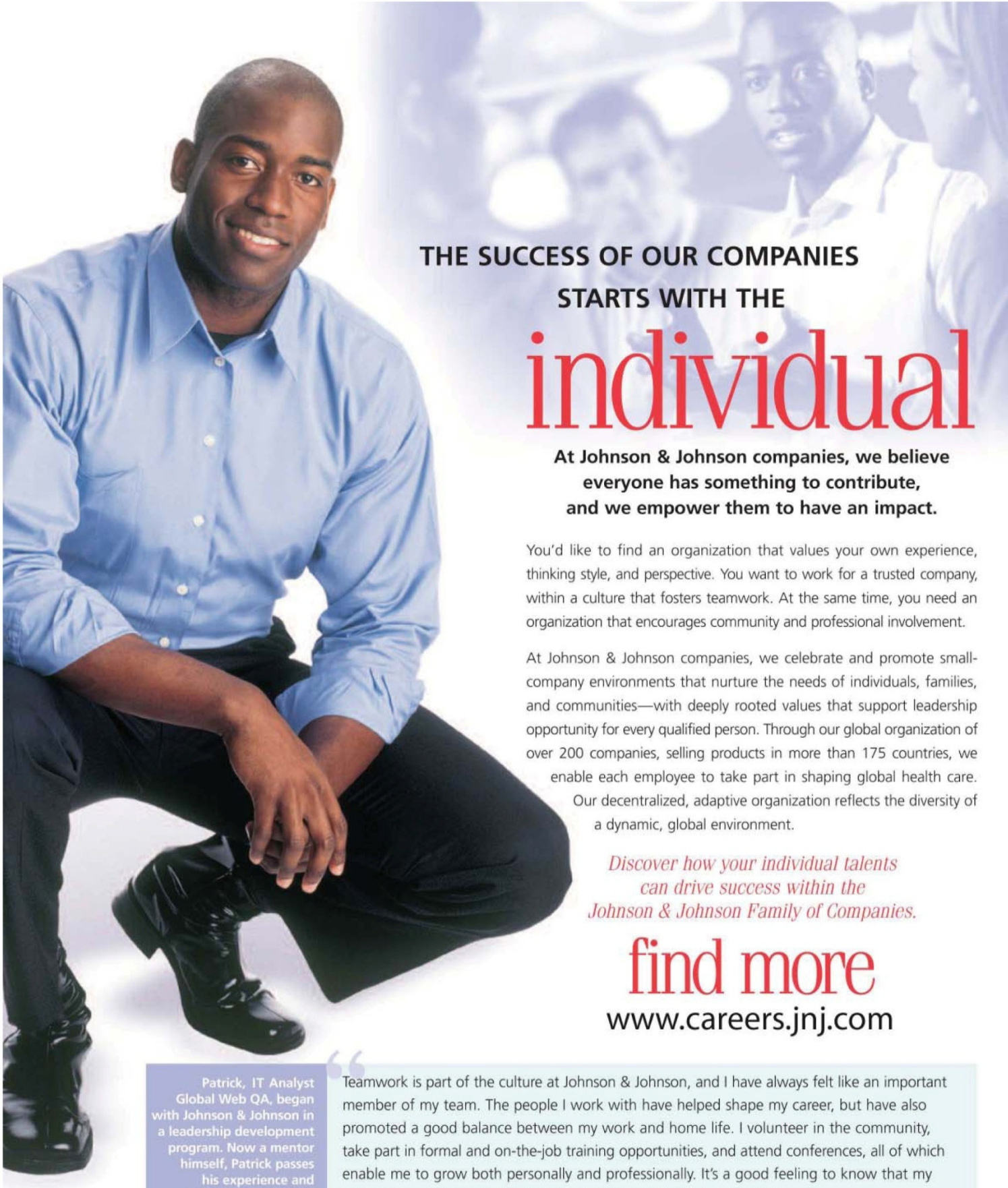
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this issue's success story

Service Chiefs congratulate the ***Class of 2010*** and provide keynote addresses with inspirational messages to young men and women interested in Computer Science-STEM (CS-STEM) careers and entering technical fields.

Inside our
next issue:

Regional HSCC

Local students begin final quest
for National High School
Computer Competition Title

student programs: GET THEM INVOLVED!

NBDPA's SITES (Student Information Technology Education and Scholarship) initiative is designed to introduce students grades K-12 of African-American descent and underserved communities to the field of Information Technology (IT) and CS-STEM (Computer Science | Science. Technology. Engineering. Mathematics) disciplines through computer training by encouraging them to seek higher levels of education and grooming many of them to become our next generation of IT Professionals. Our programs are offered to students across the country at no cost to interested students. Contact NBDPA at **1.800.727.BDPA** (2372) for participating BDPA Chapters near you or visit our web site at **www.bdpa.org**.

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