

New STEM careers in Energy, IT and Technology are ahead for tomorrow's engineers

and IT professionals. Page 9



▶ Fuel Cell Technology
Johnson Controls announced
plans to build a battery recycling
plant in Charleston, South
Carolina. See Auto Show

concept car design (right photo.) Page 9



Volume 34 Issue 06.09

BDPA Co-Founder To Keynote BDPA-GC Event



COLUMBIA, SC—GCBDPA will kick-off this year's *Technology Summit* at the Marriott Columbia, Saturday, June 13, 2009 at 8:30 AM. Earl A. Pace, Jr. (above), National BDPA Co-Founder, will provide the keynote address.

See "Technology Summit" Flyer on Page 5

www.bdpa.org

bdpatoday

Greater Columbia Chapter Edition

Summer 2009

Bolden Nominated as NASA Administrator

President Obama selects Columbia, SC native to lead Agency



Photographs courtesy NASA **bdpatoday**

WASHINGTON, D.C. - NASA | May 23, 2009

President Barack Obama announced his intent to nominate the following individuals for key administration posts: General Charles Bolden, Administrator of NASA and Lori Garver, Deputy Administrator of NASA.

See "NASA" on Page 3

◆ Photo: NASA Hubble Telescope

Almost 20 years after helping launch the Hubble Space Telescope, Charles F. Bolden Jr. (inset), a former Marine Corps combat pilot, major general, and veteran space shuttle commander, has been selected by the Obama administration to serve as the space agency's next administrator. In August of 1990, General Bolden presented slides of the Hubble Telescope to a National BDPA Technology Conference audience in Washington,

D.C. after his successful Shuttle mission.

GREENBDPA
SPRING 2009 ISSUE

- Bolden Nominated to Lead NASA | First African American to head Agency
- Technology Summit 2009 | Greater Columbia Area BDPA Chapter|
- National BDPA IT Showcase | August 5-9, 2009 Raleigh, NC
- COMPTIA Certifications | Career Tracks for Network+, RFID+, & more

1, 9 3, 5 4 8

Celebrating 34 Years of Service



we can travel past

the

digital divide

and beyond.

all aboard?





Technology Awareness Program

A COMMUNITY TECHNOLOGY DEVELOPMENT & AWARENESS PROGRAM

A community technology development & awareness program TAP provides corporate sponsors with a turnkey program that enables them to advance the value of technology to African-American, Hispanic, and Native American communities through three program La Familia Technology Awareness Week; Native American Family Technology Journey; and Black Family Technology Awareness Week. The programs are comprised of content designed for audiences from kindergarten through 12th grade and includes their parents and extended families. TAP enables companies to augment their public image among minorities by extending their outreach efforts into those communities.



For more information call 410-244-7101 or visit our websites!

Black Family Network www.blackfamilynet.net

Native American Family Network www.firstpeoplesnet.net

let's bring technology to all people. all aboard?



President Obama said, "These talented individuals will help put NASA on course to boldly push the boundaries of science, aeronautics and exploration in the 21st century and ensure the long-term vibrancy of America's space program."

Major General Charles Bolden, USMC (Ret.) is the nominee for Administrator of NASA. Charles Bolden retired from the United States Marine Corps in 2003 as the Commanding General of the Third Marine Aircraft Wing after serving more than 34 years, and is currently CEO of Jack and Panther, LLC, a privately-held military and aerospace consulting firm. MGen. Bolden began his service in the United States Marine Corps in 1968. He flew more than 100 sorties in Vietnam from 1972-73. In 1980, he was selected as an astronaut by NASA, flying two space shuttle missions as pilot and two missions as commander. Following the Challenger accident in 1986, MGen. Bolden was named the Chief of the Safety Division at the Johnson Space Center with responsibilities for overseeing the safety efforts in the return-toflight efforts. He was appointed Assistant Deputy Administrator of NASA headquarters in 1992. He was Senior Vice President at TechTrans International, Inc. from 2003 until 2005. MGen. Bolden holds a B.S. in Electrical Engineering from the United States Naval Academy, in Annapolis and a M.S. in Systems Management from the University of Southern California. MGen. Bolden graduated from C. A. Johnson High School in Columbia, South Carolina.

Lori Garver is the President of Capital Space, LLC, and has served as Senior Advisor for Space at the Avascent Group, a strategy and management consulting firm, based in Washington, D.C. She was the lead civil space policy advisor for Obama for America, and she helped lead the Agency Review Team for NASA during the Transition. She has intimate familiarity with the agency and knows well the challenges it faces. From 1998 to 2001, Ms. Garver served as NASA's Associate Administrator of the Office of Policy and Plans. Reporting to the NASA Administrator, she oversaw the analysis, development, and integration of NASA policies and long-range plans, the NASA Strategic Management System, and the NASA Advisory Council. Ms. Garver also served as a primary spokesperson for NASA. Prior to this appointment, she served as a Senior Policy Analyst for the Office of Policy and Plans, and Special Assistant to the Administrator. Ms. Garver earned an M.S. in Science, Technology, and Public Policy from the George Washington University and a B.A. in Political Science and Economics from Colorado College.







REAL GRID SOLUTIONS REAL BUSINESS VALUE

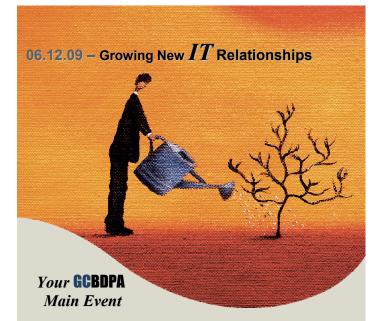




TeraGrid '09 June 22-26, 2009

Hyatt Regency Crystal City Arlington, Virginia www.teragrid.org

BDPA, formerly known as Black Data Processing Associates, was founded in 1975 to promote professional growth and technical development for those in or entering information, communications, or technology (ICT) oriented fields of interest and related industries. BDPA Chapters publish quarterly or monthly newsletters. For newsletter or web portal advertising rates, publication schedules, online calendars, and e-newsletters, contact regional or local BDPA Chapters by visiting www.bdpa.org or by calling 1.800.727.2372 (BDPA). bdpatoday (ISSN 1946-1429) is published by the Greater Columbia Area Chapter of BDPA and other BDPA Chapter Communications Committees, mailed to BDPA members, BDPA corporate sponsors and electronically delivered to BDPA Chapters and Chapter Interest Groups (CIGs) as a benefit of membership. First Class and Periodicals postage paid at Washington, D.C. and additional regional mailing offices. Unless otherwise noted by own copyright, art and graphics © BDPA, © BDPA-DC, © BDPA-GC, © Corbis, © Getty Images, & ©JupiterImages™. Cover photos: NASA and Johnson Controls. **bdpatoday** is available for immediate online publishing of ICT industry, chapter news, and community IT events. Send articles, events, or images to: info@bdpatoday.org . Readers also may use BDPA Groupsite calendars, enhanced by CollectiveX to review local news, events, or deadlines and submit technology news from respective markets.



On Saturday morning, June 13, 2009, the Greater Columbia Area Chapter of BDPA, formerly known as Black Data Processing Associates, is hosting a Technology Summit in Columbia, SC at the Marriott Columbia. This year's Technology Summit features a dynamic workshop on Entrepreneurship, a professional workshop on Coaching and Mentoring, and an industry CIO/CTO panel discussion. BDPA's Co-founder, Earl A. Pace Jr., will provide this year's keynote address. On Friday, June 12, the Chapter will host a luncheon and networking reception. See GCBDPA flyer on Page 5.

Nationwide, BDPA members and stakeholders form special interest groups (SIGs) and bonds within their respective local BDPA Chapters to provide emerging technology support along with professional development services for an entire region.

To schedule a BDPA event near you, visit our national website at www.bdpa.org for meeting and event locations or call our national office in Largo, MD at 800.727.BDPA (2372).



BDPA Showcase

BDPA's IT Showcase (ITSC) provides undergraduate and high school students opportunities to excel at presenting advanced technical concepts to general audiences. Participants publish White Papers and meet potential firms and employers for internships, scholarships or cooperative education programs.

2009 NBDPA Sponsor Johnson Johnson



WHO SHOULD ATTEND 2009'S NATIONAL BDPA TECHNOLOGY CONFERENCE?

RALEIGH CONVENTION CENTER | AUGUST 5-8, 2009 | RALEIGH, NC

Young Americans are treated to the latest in Information Technology (IT.) Our Youth Technology Conference (YTC) has designed intense, IT related workshops and seminars to encourage and inspire youth to pursue Science, Technology, Engineering, or Math (STEM) careers with an information technology focus. High school teams from across the country annually compete for the High School Computer Competition (HSCC) National Title.

High School Students - Teams of high school students converge at the BDPA national conference to showcase their skills, teamwork, and creativity as they compete in an intensive 3-day competition. Others will be amazed at the talent and intellect of these students as they bond, compete, grow, learn and enjoy a healthy competitive environment laced with the most challenging technology available.

Corporate Sponsors have the opportunity to meet, greet, interview and network with some heavy-hitters in the IT field. Corporations also have the opportunity to showcase their products and services to thousands of members and attendees. This is an excellent opportunity to recruit qualified IT talent.

Senior IT Executives - BDPA has affiliated with the ITSMF to help achieve their objective. Senior information technology executives assist African American women and men in preparing for senior level positions.

IT Professionals have the opportunity to become engaged in "career possibilities". Our conferences offer professionals the opportunity to explore new IT horizons, to network with IT professionals, and to explore new employment opportunities with corporate sponsors.

Entry Level IT - Individuals just entering the IT field (or IT has entered <u>your</u> field) cannot afford to miss annual conferences. These annual meetings are "game-changing" experiences to help launch your career. Where else can you find professionals in virtually every concentration of IT? Where else can you find seminars and workshops specifically designed to enhance your skills and boost your career? This is the perfect opportunity to improve your IT career position. Whether you network and find a mentor, or attend a seminar that pushes you in a specific IT direction, everything about our conference will promote positive results in your career. Let's not forget about the Career Fair and Technology Expo, which provides an excellent opportunity to develop or continue to nurture relationships, distribute your updated resumes, and interview on the spot with many corporations that are looking for you!

Parents – Come join us! Share the fun and learning experiences with your children in our BDPA Host Chapter cities.

Community-Based Organizations - There is more to learn at our conferences. Technology is HERE! Don't let your organization fall behind because you were reluctant, or did not have the skills necessary to integrate your organization with technology. Many of our seminar tracks will help you better organize your CBO. Learn how to build your organization using technology, strategy, and team building.

Entrepreneurs – A "platinum" opportunity to network with other established firms and business partners in your market. Attending and presenting at some of our workshops are some of the most aggressive, successful entrepreneurs who are willing to share experiences or opportunities with you.

Conference excerpts provided by *Electronic Village*



big-company impact



Technology Summit

presented by

BDPA Greater Columbia Area Chapter

June 13, 2009 8:30AM Marriott Downtown Columbia Columbia, SC

Keynote Speaker: Earl Pace Jr., Founder, BDPA



"The IT Professional: Challenges for Today, Strategies for Tomorrow"

Schedule of events:

- Technology Lunch: Friday, 6/12, Brookland Baptist Conference Center \$14.00
- Networking Social: Friday, 6/12, Marriott Downtown Columbia

 N/C
- Technology Summit: Saturday, 6/13, Marriott Downtown Columbia \$39.00

For registration and information, contact:
BDPA Greater Columbia Area Chapter, Columbia @bdpa.org; www.gcbdpa.org

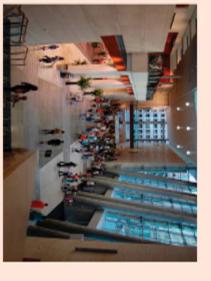


Convention Center - photo by J. Moore Salisbury Street View of Raleigh

CORPSALES@BDPA.ORG EXHIBITS & SPONSORSHIP:

CONFERENCE@BDPA.ORG CONFERENCE INFORMATION:

WEBSITE: WWW.BDPA.ORG



Raleigh Convention Center Main Lobby

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LARGO, MD 20774

Fax (301) 322-3444

VISION:

2009

"To be a powerful advocate for our stakeholders"

MISSION:

stakeholders." ganization that delivers programs and services that serve the profes-sional well-being of its focused technology or-To be a global member

FOUNDED:

Black Data Processing Associates (BDPA) is a national non-profit professional association founded in 1975 in Philadelphia, PA.

STAKEHOLDERS:

Consist of our Members,

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IT-based Businesses,

and our Community. Educational Institutions

BDPA NATIONAL

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SUITE 350

Conference Technology National BDPA



Shimmer Wall view at night - photo by Holly Jacques

Leet the 2009 o

Conorary C



Credit Suisse VP, HR & Recruitment Charles Brandquist

and Insurance industries. Technology, Publishing, Advertising, was a partner in a boutique execu-Credit Suisse in 2002, Brandquist North Carolina. Prior to joining Triangle Park in Raleigh-Durham, Suisse's presence in the Research growth and development of Credit been instrumental in leading the Since 2004 Charles Brandquist has izing in the Investment Banking. tive search firm in New York special-



Zoday; Strategies

Johnson & Johnson VP & CIO LaVerne H. Council





Challenges

Wachovia Corporation VP & CIO Martin Davis



Premier Events Founder & President Marc Di Francisco

CIO's in each region.

administer programs approved by for Information Managers (SIM) to Regional Chapters of the Society & Executive IT Summit works with Executive IT Summit. The CIO Forum ment, producers of The CIO Forum & President of Premier Events Manage-Marc Di Francisco is founder and



President Leroy Hill



tions industry, joining Pacific Bell

Cynthia Marshall has 27 years of

President Cynthia Marshall AT&T NC

current position in January 2007. and Constituency Relations for AT&T Senior Vice President – Regulatory Operator Services. After serving as in July 1981 as a Group Manager in experience in the telecommunica-

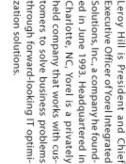
California, she was named to her



Management



Yore





Chairman & CEO



global leader in medical Diagnostic ogy and Chief Quality Officer of NBC Biosciences. Russ is a former Senior technology, information systems and General Electric. GE Healthcare is the of GE Healthcare, a \$17B division of dent and Chief Information Officer Russ Mayer is the Executive Vice Presi-Vice President of Information Technol-

GE Healthcare Executive VP & CIO Russ Mayer



rience in the technology industry in

CIO - City of Austin, TX Gail M. Roper Formerly CIO - City of Raleigh, NC

community based initiatives.

on providing technology solutions for technology organizations that focus 2009. She is affiliated with various Information Officer in February of joined the City of Austin, TX as Chief the public and private sectors. Roper Gail M. Roper has over 25 years expe-



Infosysarchitecture Dr. Lenny Superville

Dr. Lenny Superville is CEO of Infosys-NC State Auditor. and Senior Technology Advisor to the Carolina's Office of the State Auditor, as Certified Government CIO for North academic sectors. He formerly served ing government, commercial and arena with a variety of clients includexperience in information technology architecture and has over 30 years of

2009 BDPA National Technology Conference Events

Opening Ceremony Adult & Student Workshops Wednesday, 8/5

Youth Technology Camps IT Showcase Thursday, 8/6 Adult & Student Workshops

Technology Expo & Dignitaries' Reception Adult & Student Workshops Career Fair Friday, 8/7



Golf Classic Saturday, 8/8 Technology Expo & Career Fair Awards Gala

Prayer Breaktast Sunday, 8/9

Career Upgrade Connections

In 2009, BDPA Chapters invite new communities to grow with us for our next 30 years linking professional development, and community technology outreach programs.

Committees to Chair or Join:

- Audit/Finance/Sales/Grants
 Invest in our trillion-dollar industry
- IT Programs/Chapter Events
 Host Interest Groups and meetings
- Membership/Services
 Source non-IT members for growth
- Government Relations/Advocacy
 Track laws in our high-tech society
- Communications + PR

 Join local BDPA multimedia teams
- Education/Training/Standards
 Develop courseware, be a Mentor

What To Look For in 2009:

- CES 2009 (Las Vegas)
- America's new 111th Congress
- Inauguration of a new President
- Lotusphere 2009 (IBM | Orlando)
- Black Engineer of The Year Awards
- BDPA Day-On-The-Hill
- ITSMF Symposium and Gala (Dallas)
- SAPPHIRE 2009 (SAP | Orlando)
- Tech Summit '09 (Greater Columbia)
- TeraGrid '09 (Washington)
- Regional HSCC Competitions
- National BDPA Technology Conference (Raleigh, NC)
- National IT Showcase (Students)
- National HSCC Competition (Youth)
- Legislative Conference (CBCF/ALC)
- BDPA @ HBCU Football Classics
- Supercomputing 2009 (Portland, OR)
- I/ITSEC 2009 (M&S | Orlando)

Corporate sponsorships and member discounts are available by joining a local BDPA Chapter:

www.bdpa.org

800.727.BDPA (2372)



SUPERCOMPUTING 2009 CONFERENCE PREVIEW

SC09 Broader Engagement (BE) Program

The SC09 Broader Engagement (BE) program is aimed at increasing the involvement of individuals who have been traditionally underrepresented in the HPC field. The program will offer a number of special activities at SC09 to stimulate interest within the SC conferences and the HPC community in general. Competitive grants will be available to support travel to and participation in the SC09 Technical Program by underrepresented groups. We encourage applications from all computing-related disciplines, including research, education, or industry. Consideration will be given to applicants from groups that traditionally have been underrepresented in HPC, such as African-Americans, Hispanics, Native Americans, Alaska Natives, Native Hawaiians, Pacific Islanders, the physically challenged, and women.

Questions? **be@info.supercomputing.org**

BDPA chapters provide additional information for local teams. Visit: www.bdpatoday.org

Educational institutions, training companies, not-for-profits such as BDPA and government-funded training organizations can improve services to constituencies by joining CompTIA.

IT Career Upgrades

CompTIA is the leading association representing the international technology

community. Its goal is to provide a unified voice, global advocacy and leadership, and to advance industry growth through standards, professional competence, education and business solutions.

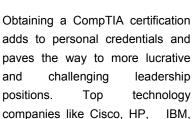
BDPA will work with CompTIA in 2009 to make certification testing more accessible with sponsored and discounted student

vouchers. This upgraded member service allows BDPA members to keep their own skill sets current with industry requirements. Advanced training and free vouchers for additional CompTIA certifications will be made available for BDPA student and full members.

CompTIA Exam Vouchers for BDPA Instructors

Qualified BDPA members of E2C member schools who are training students in any of

CompTIA's current certifications are eligible to receive a voucher for one of the following CompTIA certifications: A+, Network+, i-Net+, Server+, Linux+, HTI+, RFID+, Security+ and Project+.



Intel, Microsoft and Novell leverage

CompTIA certifications as electives or equivalents for their own certification tracks. BDPA members who achieve higher industry certifications with DoD security clearances attract growth industries to emerging communities, transfer knowledge to local schools and promote economic development.



Civilian Jobs at Space and Naval Warfare Systems Center (SPAWAR) Atlantic



SPAWAR Center Systems (SPAWARSYSCEN) Atlantic is doing real engineering to devise real solutions for real customers in real time. Together with their industry partners, they design, build, test, field, and support many of the finest front-line command. control. communications, computers, and intelligence systems (C4I) in use today or planned for the future. They are a growing U.S. Navy Engineering Command which provides great value to their customers and to their employees, too. Engineers are responsible for projects from the start and get into project Training management early. plans are developed for all employees to ensure they receive the on-the-job training, formal education, and mentoring necessary to keep their careers charged. Many engineering programs provide opportunities for worldwide travel. SPAWARSYSCEN Atlantic has a global presence with responsibilities directed toward supporting their sponsors' and customers⁵ requirements worldwide.

http://spawar.navy.mil

Locations:

- · Charleston, South Carolina
- Norfolk, Virginia
- New Orleans, Louisiana

bdpatoday | Florence gets \$100 million battery recycling plant

COLUMBIA, SC—*The State* newspaper reports Johnson Controls plans to build a \$100 million battery recycling plant in Florence that could add up to 250 jobs, state and local development officials announced today. Johnson Controls' new Florence plant opens on a 270-acre site off U.S. 76 near plants from Roche Carolina, DuPont and Smurfit-Stone as well as Francis Marion College. "The proposed Florence facility will be the most innovative battery recycling operation in the world," said Alex Molinaroli, president for Johnson Controls Power Solutions who grew up in Charleston and graduated from USC. Johnson Controls, a Milwaukee company that makes automotive interiors, batteries; air conditioning, security and fire systems; employs 1,000 jobs in the region, including those at a distribution center in Florence and a battery plant in Oconee.

re3 (2009)

At North American International Auto Show 2009 in Detroit, Johnson Controls introduced a hybrid re3, (right photo) a smart environment intended to:

- rethink ... the interior through innovative engineering
- **re**new ... with sustainable solutions
- **re**spond ... by generating consumer appeal





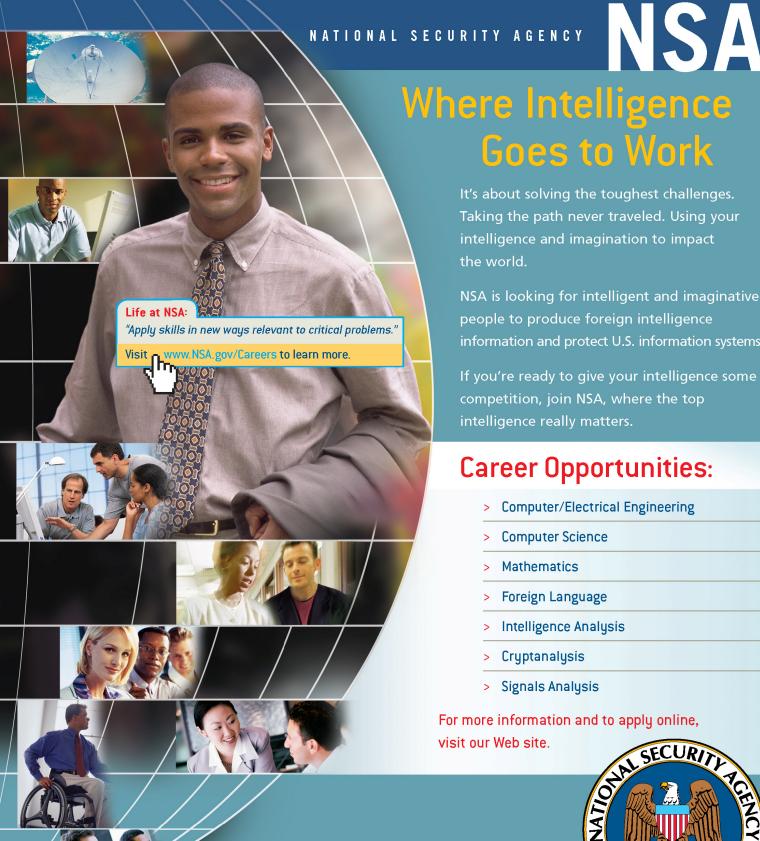
bdpatoday

GREEN IT - Industry Trends and STEM Career Opportunities

OAKLAND, CA—Greener World Media, Inc. is the first media company focused exclusively on the greening of mainstream business and technology. Greener World Media's Web sites and newsletters, led by GreenBiz.com®, are designed to serve professionals and opinion leaders across a broad range of industries and job functions. GWM aims to provide clear, concise, accurate, and balanced information, resources, and learning opportunities to help companies and organizations of all sizes and sectors integrate environmental responsibility into their operations in a manner that supports profitable business practices.

Recently, Greener World Media launched the GreenBiz Leadership Network, a member-based, peer-to-peer learning forum for sustainability professionals. Members of the new network, including senior environmental executives from global 1000 companies, meet twice yearly and participate quarterly on interactive teleconferences targeted to specific business functions such as supply chain or product design, or other pressing issues identified by the group. In addition to documenting those interactions and insights, various teams produce two major themed reports per year which integrate leading practices from members along with other stakeholder inputs.

For current and greener IT career opportunities, visit: http://jobs.greenbiz.com



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- > Foreign Language
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- Cryptanalysis
- Signals Analysis

For more information and to apply online,

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Dual **Profiles**



Member Objectives



Shared Connections



Manager Controls



Enhanced Security

Groupsites are great for organizing and creating...

- Project Workgroups
- Company Intranets
- Alumni & Board Groups
- Membership Groups
- Conference Communities

- Social Networks
- Community Websites
- Church Websites
- Family Websites
- Reunion & Special Event Groups

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Arriving Fall 2009

- · Annual Legislative Conference
- Government Fiscal Year 2010

Your next issue features articles from your community and industry trade shows, Capitol Hill reviews and other BDPA announcements. Scholarships, grants, and special 2009 intern announcements also are posted. Fall 2009 event information is updated and made available to BDPA Members. To join a BDPA chapter, or BDPA committee, call us today:

1.800.727. BDPA (2372) or visit:

www.bdpa.org

- Annual Memberships: \$75

- Student Memberships: \$15

Lost.

(How most kids feel about preparing for college.)

Without the help of an adult, it may be confusing for students to find their way to college. If you know a student with dreams of a higher education, do your part and help lead the way. Learn how at...

KnowHow2G0.org 800-433-3243



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