

# ◆ NATIONAL TECHNICAL NEWS ◆

Volume 9, Number 4

Fall 2003

## NTA 2003 Conference Held in Orlando, FL September 9-13

The National Technical Association's 75th National Conference and Technical Career Opportunity Fair was held at the Rosen Plaza Hotel in Orlando, FL. As in previous conferences, the program included invited speakers, panel discussions, and workshops, as well as technical paper presentations by both professionals and students.

Honorary chairpersons and keynote speakers were Dr. Debra Austin, Chancellor of Colleges and Universities, Florida Department of Education, and Mr. James Jennings, a past president of NTA and Deputy Director of NASA's Kennedy Space Center, who is now a Deputy Associate Administrator at NASA Headquarters.

Mr. Jennings was Conference Theme Speaker at the Opening Plenary Session on Wednesday, Sept. 10. Dr. Calvin Mackie of Channel Zero, Inc. was the Charles Duke Distinguished Lecturer for the Membership Luncheon on Friday, Sept. 12, and Dr. Austin was keynote speaker for the National Technical Achievers Awards Banquet on Friday evening. Judge Gregory Mathis, of the Judge Mathis TV show, was Keynote Speaker for the NTA Auxiliary and Student Awards Luncheon on Saturday, Sept. 13.

There were 6 professional technical paper presentation sessions, in the NTA Societies of Science, Engineering, Technology, Education, Computer Science, and Information Science. In addition, there were student sessions for Graduate, Undergraduate, and High School students.

In all, a highly successful conference!



**MEMBERSHIP  
NEWSLETTER**  
A Publication of The  
National Technical  
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*Incorporated 1926*

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## President's Message



Frank Robinson, Jr.

Greetings and Happy Holidays! It has been a busy and successful year for NTA. We have been successful in hiring an Operations Manager, and also re-establishing a National Office which is now located in Cleveland, Ohio. We have also redesigned our website to be more informative about the NTA and to provide on-line member interactive services. At our recent conference, we were honored with oratories from distinguished guest speakers such as Dr. Debra Austin, Chancellor of Colleges and Universities, Florida Department of Education; Dr. Calvin Mackie, CEO Channel Zero, Inc.; Judge Gregory Mathis, Judge Mathis Show/Judge Mathis Foundation; and James Jennings, Associate Deputy Administrator of NASA. We were also honored with pres-

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**NTA 2003 Technical Achiever of the Year Awardees**

The following Technical Achiever of the Year Awardees were honored at the NTA 2003 Conference (see also the September, 2003 issue of the *Journal of the NTA*).

**Engineer:**

Dr. Rickey J. Shyne  
NASA Glenn Research Center

**Scientist:**

Dr. Jon Freeman  
NASA Glenn Research Center

**Technologist:**

Dr. Dexter Johnson  
NASA Glenn Research Center

**Chemist:**

Ms. Robin Cole  
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**Physicist:**

Dr. John Foster  
NASA Glenn Research Center

**Physician:**

Dr. Charity Kankam  
St. Vincent Charity Hospital  
Cleveland, OH

**Educator:**

Dr. Shirley Malcom  
Head, Directorate for Education and Human Resources  
American Association for the Advancement of Science

**NTA Technical Achiever of the Year:  
Dr. Rickey J. Shyne**

**NTA 2003 Membership Awards**

**Samuel R. Cheevers Distinguished Service Award**

Dr. William Lupton  
Chair, Computer Science Department  
Morgan State University

**A. T. Weathers Technical Achievement Award**

Mr. Adolphus Patterson  
Retired, Westinghouse Research and  
Development Center

**SNTA Student Achievement Award**

Ms. Meagan Wright  
Senior, Dept. of Mechanical Engineering  
Clark Atlanta University

**NTA 2003 Conference Student Presentation Awards**

**Graduate Student Session**

**First Place:**

“Synthesis and Characterization of Cardo Polyimides Using Various Catalysts”, by L. Michael Burke, Jr., Bo Li, Laura A. Prexta, Alexander J. Jing, Stephen Z. D. Cheng, and Frank W. Harris (Dept. of Polymer Science, The University of Akron)

**Second Place:**

“Knowledge Elicitation Framework Implementation for ALS NSCORT Program”, by Charita Brent and Dr. John Trimble (Dept. of Systems and Computer Science, Howard University)

**Third Place:**

“A Test of the Born-Oppenheimer Approximation As Applied to Vibrations in Methanol”, by Trocia Clasp (Dept. of Chemistry, The University of Akron)

**Undergraduate Student Sessions**

**First Place:**

“Multi-modal XML Publishing”, by Jacquelynn R. Dolly & Moses C. Allotey-Pappoe (Department of Computer Science, Norfolk State University)

**Second Place:**

“Marine Environmental Effects on the Interfacial Fracture Toughness of PVC Core Sandwich Composites”, by Kito Robinson and Sheyreese Vincent; Advisor: Dr. David R. Veazie (Dept. of Engineering, Clark Atlanta University), *Presented By: Edem Blavo*

**Third Place:**

“Design and Analysis of a Micro-Rotor for a Micro Electro-Mechanical System (MEMS)-Based High Speed Magnetic Generator”, by Keithan Hillman and

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Kester Garraway; Advisor: Dr. David R. Veazie (Dept. of Engineering, Clark Atlanta University)

### **High School Student Session**

#### **First Place:**

“Conducting Robotics Experiments with Lego Mindstorms”, by Bryan Bemley  
(Junior, Archbishop Carroll High School, Washington, DC)

#### **Second Place:**

“Video Editing Techniques”, by Eric Lamison-White  
(Sophomore, Bowie High School, Bowie, MD)

#### **Third Place:**

“Post Flight Data Processing for the High Resolution Shuttle Glow Spectrograph”, by Jessye Bemley  
(Senior, Archbishop Carroll High School, Washington, DC)

*(President's Message, Continued from page 1)*

entations from professionals and students, exemplary of the technical advances in the Societies of the NTA.

Honoring our members for their technical accomplishments in the technological and scientific fields has long been part of the charter of NTA. This year was also a special year for our membership. We all shared in the honoring of one of our most esteemed members, Dr. George Carruthers, who was inducted into the 2003 National Inventors Hall of Fame. Dr. Carruthers was honored in celebration of the 100th Anniversary of the Wright Brother's first flight at Kitty Hawk, NC, and selections were made for those whose inventions had special significance to air and space flight. Dr. Carruthers' induction was in honor of his patent for the Far Ultraviolet Electrographic Camera, which was flown on Apollo and Space Shuttle missions, and was instrumental in the first detection of interstellar molecular hydrogen in 1970.

We also observed a changing of the guard at NASA GRC, in which our own member Donald R. Campbell was succeeded by NTA Past President Dr. Julian Earls as Center Director. Many others also received noteworthy advances in their fields as well, fortunately too many to name for this printing. In closing, I would like to thank each of you for the support you provided me as President of NTA this past year, and I look forward to our continued success, and seeing you at our National Conference at Tuskegee University in September 2004.

### **NTA Board of Directors Meeting September 9, 2003 Orlando, FL**

The third 2003 NTA Board of Directors meeting was held at the Rosen Plaza Hotel in Orlando, FL on Sept. 9, just prior to the 2003 NTA National Conference.

Agenda items included reports by the President (F. Robinson), Treasurer (D. Johnson), and Operations Manager (Q. Jordan); the Regional Directors (SW, S. Wagner; SE, W. Lupton; NW, A. Johns) and the chairpersons of the following NTA Committees: Conference (K. Coleman); Web Site (D. Thomas); Publications (G. Carruthers); Awards (C. Johnson); Membership (S. Harris); Policy and Planning (A. Johns); and Operations (K. Coleman).

The meeting also included final plans and arrangements for the 2003 Conference Program, as scheduled for the remainder of the week. This included final preparations for our school visitations, final presentation session room assignments, audiovisual and computer equipment verifications, and any last-minute changes in personnel assignments.



**NTA Board members (clockwise from right) William Lupton, Katherine Coleman, Frank Robinson, Dexter Johnson, and Albert Johns discuss program plans at the September 9 board meeting in Orlando, FL.**

## NTA 2003 Conference School Visitations Wednesday, Sept. 10, 2003

As in previous NTA Conferences, the morning of the first day was our School Visitations, in which about 22 NTA members participated. Three schools in the Orlando area were visited: Tangelo Park Elementary School, Westridge Middle School, and Oak Ridge High School. Each of the three groups of NTA participants spoke with several hundred students, so the total number of students reached was probably more than 1500.

In each of the classes visited, the NTA members discussed the opportunities and requirements for careers in science, engineering, and technology, and their own experiences, both in the workforce and in their own educations.

Thanks much to the NTA member participants!

Albert L. Johns, Chair  
School Visitation Committee



**NTA school visitation team, with students and staff at Oak Ridge High School in Orlando, FL**



**Dr. Pamela Denkins gives classroom presentation at Oak Ridge High School**

## Yolanda Hinton Cited for Service at Norfolk State University



NTA Hampton Roads Chapter member Yolanda Hinton, a past NTA National Secretary and a mechanical engineer in the Army Research Laboratory's Vehicle Technology Directorate, was cited for her accomplishments in a 2-year developmental assignment at Norfolk State University. Her task was to help the University to obtain professional accreditation from the Accreditation Board for Engineering and Technology, in their undergraduate electronics and optical engineering programs.

In addition to helping the two undergraduate programs receive accreditation, Hinton helped develop curricula for the bachelor's degree in optical engineering and master's degrees in both optical and electronics engineering, and revise the undergraduate electronics engineering curriculum. She wrote proposals to get approval for the programs from the State Council for Higher Education in Virginia, and helped recruit faculty and students, procure lab equipment, and develop partnerships with other universities and research laboratories. Hinton also accompanied students to conferences and served as faculty advisor to the university's chapter of the National Society of Black Engineers. Hinton hopes that some of the students will intern with ARL or work with the laboratory after graduation.

"I saw (this) as an opportunity to have a direct impact on the lives of the students and to help them achieve their dreams," Hinton said. "There are some bright, hard-working, and highly-motivated students aspiring to become the next generation of scientists, engineers, explorers, and discoverers. The future looks bright." Norfolk State University, founded in 1935, is one of the largest historically black colleges and

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universities in the nation. More than 7,000 students from across the United States and abroad attend the university.

Now that she is back at VTD, Hinton is working in the Mechanics and Durability Branch developing ways to monitor the health of structures, particularly lightweight, robust multifunctional structures being developed for a variety of uses, including ground, aviation, and space vehicles. But she will continue to look for opportunities to collaborate with the faculty and students in areas of research at the university, promote the university and its accomplishments, and recruit faculty and students.

"The students have helped to re-energize me and re-ignite my scientific curiosity," said Hinton. "My time at Norfolk State was a welcome change from research and opportunity to work in an academic environment. I have often thought about academia as a second career once I leave federal employment. I'm sure now that's what I want to do."

Hinton holds bachelor's and master's degrees from MIT, and is a fellow of the Acoustic Emission Working Group. She was recognized by the National Technical Association as one of the Top Women in Science in 1997. She is also involved in the Tidewater Chapter of Tuskegee Airmen, Inc., Black Alumni of MIT, and the Speakers Bureau at NASA Langley.

Adapted from a publication in RDECOM Magazine, November 2003

### NTA Members Receive Awards and Recognition at USBE Conference

NTA members Dr. Linda Hayden and Terri Rodgers were presented with Emerald Honors at the US Black Engineer 2003 Women of Color Research Sciences and Technology Awards Conference, held September 13, 2003 in Nashville, TN.

Dr. Hayden, Professor of Computer Science at Elizabeth City State University, received an award in the category of Educational Leadership.

Ms. Rodgers, Technical Manager in the Systems Management Office of NASA Glenn Research Center, received an award in the Professional Achievement category. The awards were presented by Career Communications Group, Inc., publisher of the *US Black Engineer* magazine.

Our congratulations to Terri and Linda on their outstanding achievements!



**Dr. Linda Hayden and Ms. Terri Rodgers, USBE 2003 Women of Color Awardees**



**Terri Rodgers gives Acceptance Speech at USBE Awards Conference**

### NASA's Deputy Administrator, Frederick D. Gregory, Honored

NASA Deputy Administrator Frederick D. Gregory has been selected as one of the 50 Most Important African-Americans in Technology for 2004. The award is from the editors of *Blackmoney.com* and the *U.S. Black Engineer & Information Technology* magazine. Gregory will be featured in the January/February issue of the USBE publication.

Honorees are annually selected for this list based on their work in making technology part of global society. Their accomplishments are upheld as examples of the important contributions made on a daily basis by the half-million African-Americans in high-tech jobs.

"I'm pleased that Fred's commitment to NASA and his ongoing efforts to make this agency's mission relevant are being recognized," said NASA Administrator Sean O'Keefe. "He is a role model for a

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new generation of explorers, and I'm sure the entire NASA family joins me in congratulating Fred's selection for this award."

As Deputy Administrator, Gregory serves as the chief operating officer for NASA and reports directly to the Administrator. He is responsible for directing and managing many of the agency's programs as well as day-to-day operations and activities.

Prior to becoming the Deputy Administrator, Gregory served as the Associate Administrator for Space Flight. He was responsible for overseeing the management of the International Space Station; Space Shuttle operations; Space Access using Expendable Launch Vehicles for commercial launch services; Space Communications; and Advanced Programs. He held that position from December 2001 to August 2002.

From June 1992 to December 2001, he held the position of Associate Administrator, Office of Safety and Mission Assurance, at NASA Headquarters. As Associate Administrator, he was responsible for assuring the safety, reliability, quality, and mission assurance of all NASA programs.

Gregory has extensive experience as an astronaut, Space Shuttle commander, test pilot, manager of flight safety programs and launch support operations. He was the first African American to command a space shuttle mission, on the shuttle *Discovery* (STS-33) in 1989. He will receive the award at a ceremony Feb. 20, 2004, in Baltimore.

### NTA Joint Leadership Summit Held in Cleveland, OH

The second Joint Leadership Team Summit of the NTA Board of Directors was held in Cleveland, OH on Saturday, November 8, 2003. Attendees included the Executive Board members, Regional Directors, Chapter Presidents, and National Committee chairpersons.

Among actions taken during this meeting were the following:

1. Review of the September 9, 2003 Board of Directors meeting minutes
2. Changes of Regional Directors were confirmed: SouthEast regional director is Darrell Thomas (replacing Dr. William Lupton, NTA President-Elect) and NorthWest regional director is Allan Harris (replacing Ms. Terri Rodgers).
3. Other topics included identifying chapters that are defunct or in need of strengthening; the Treasurer's Report; and discussions of plans for the 2004 NTA



**NTA Members at Joint Leadership Summit, Cleveland, OH**

National Conference, to be held at Tuskegee University (Tuskegee, AL) September 14-18, 2004. Among proposed changes for the 2004 Conference, is that *student paper presentations will be held in the same technical sessions as the professional paper presentations*. This will allow the students to hear the professional paper presentations, as well as those of their peers.

The meeting also included breakout sessions, including presentations and workshops on the topics of Chapter Building/Membership, Fund Development, and Publicity/Marketing.

The following Goals and Action Plan was generated by the NTA Joint Leadership Team (Executive Board, Committee Chairpersons, Local Presidents) at the JLT Executive Board Meeting, November 8, 2003 in Cleveland, Ohio:

### **The National Technical Association 2003 -2004 Goals and Action Plan**

#### **I. Chapter Building/Membership**

- A.) Host a professional workshop in each chapter
- B.) Establish one new and re-activate one chapter per region

#### **II. Fund Development**

- A.) Greater Program Sponsorship
- B.) Re-activate Annual Giving Campaign

#### **III. Programming**

- A.) National "NTA Career Day"
- B.) Promote Speaker's Bureau

#### **IV. Conference Planning**

- A.) Overall Schedule was approved
- B.) City and Site determined

#### **V. Public Relations/Marketing**

- A.) Explore NTA History Book
- B.) Encourage sale of NTA paraphernalia

### Next NTA Board of Directors Meeting Planned for January 31, 2004 in Atlanta, GA

The NTA Board of Directors will meet in Atlanta, GA on January 31, 2004. The meeting is to be hosted by NTA Past President Garry Harris. Topics include re-establishment of the Atlanta Chapter of the NTA, and plans for the NTA 2004 National Conference to be held at Tuskegee University September 14-18.

### Send Us Your Ideas for Workshops at the NTA 2004 Conference!

September 14-18, 2004; Tuskegee, AL

Send to: [conf-chair@ntaonline.org](mailto:conf-chair@ntaonline.org)

### NTA 2003 Conference Charles S. Duke Distinguished Lecturer, Dr. Calvin Mackie, Solicits More Black Males for Teaching

When Calvin Mackie was a struggling college freshman at Georgia Tech, it didn't take him long to realize that the race of life had started and he was already seriously lagging behind.

Stuck in remedial reading classes, Mackie figured he had two choices: he could accept his position at the back of the pack and drop out, or he could run faster. Mackie chose to run faster.

Not only did he finish first in his class; he earned three degrees in seven years, including a doctorate in mechanical engineering.

Now a published author, inventor, and motivational speaker, Mackie was the keynote speaker at Elizabeth City State University Wednesday, October 15, for a summit on the shortage of African American males in education. The three day event, which has drawn local and national leaders in education, concluded Friday, October 18.

Mackie said his own experience shows attitudes toward education can be changed for the better. "Our society has raised a generation of young men and women who believe the sole purpose of getting an education is to get a degree that will get you a job making a lot of money," he said.

This sort of thinking is wrong, Mackie said, and young people need to be shown that it's wrong. They must be shown that education's purpose is much higher and nobler—that education's true goal is to cultivate beings able to touch the lives of generations yet unborn.

To do that, however, educators must overcome

three things: fear, ignorance, and greed. All three have combined to encourage youth "to perform abortions on their dreams" and settle for much less than they're capable of, Mackie said.

The goal of this week's summit, organized by ECSU and the North Carolina Legislative Black Caucus, is to help the University of North Carolina system draw more minority males, particularly African American males, into teacher education programs.

"The shortage of teachers, and especially minority teachers, is a national issue," said Dr. Paula Viltz, interim chairwoman of ECSU's Education Department. "We expect this summit to have a big impact at ECSU, in North Carolina, and beyond."

Viltz said it is fitting that the summit was being held at ECSU, because "this is a historically Black institution that was created in 1891, to prepare teachers."

The summit's primary purpose, organizers said, is to develop an action plan that identifies minority males interested in being teachers, enrolling them in college, preparing them for the classroom, and ultimately placing them in charge of students.

"We want to study this problem and collect information and ideas that will help us develop a model we can disseminate across the state and country," said Dr. Eileen Oliver, dean of ECSU's School of Education and Psychology.

ECSU officials left Wednesday's opening night of the summit with smiles and renewed hope for change. "I'm just happy," said Dr. Claudie Mackey, associate vice chancellor for academic affairs. "The people who needed to hear this message were here tonight."

*Adapted from news article in **The Daily Advance** newspaper, Friday, October 17, 2003 issue.*

### Mars Viewing and Educational Program Held at Howard University, August 25-29, 2003

During the last week of August, 2003 the planet Mars made its closest approach to Earth in about 60,000 years. Its closest distance, on August 27, was about 31,646,418 miles (55,758,006 kilometers). Because of the public interest raised by this, and the two recently-launched NASA Mars Rover missions, a special program for the general public was held at Howard University's on-campus (Locke Hall) observatory each evening of that week. The program was jointly sponsored by Howard's Department of Physics and Astronomy, and by Science, Mathematics, Aerospace,

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Research, and Technology (S.M.A.R.T.), Inc. (a non-profit education and public outreach organization).

The president of S.M.A.R.T. is Dr. Valerie L. Thomas, a past National President of NTA, and the vice president is Dr. George Carruthers, head of the NTA Publications Committee and president of the NTA Washington, DC Chapter. Carruthers also works part-time in Howard's Department of Physics & Astronomy, teaching introductory courses in Astronomy and in Earth & Space Science. Dr. Demetrius Venable, head of the Physics & Astronomy department, also participated in the Mars viewing program.

Each evening of "Mars Week", the program consisted of introductory presentations by scientists participating in space research, followed (when weather permitted) by viewing of Mars using the 12-inch aperture reflecting telescope in the observatory. While waiting to view Mars, participants also watched the NASA video, *Bouncing to Mars*. We estimate the total number of visiting participants (which included students of all grade levels, even pre-school!) at more than 200.

We are thankful to the professional participants for their presentations on the subject of Mars and related areas of science and technology. These included Drs. Beth Brown, James Thieman, and Lou Mayo of NASA Goddard Space Flight Center; Dr. Stanley Jones, Center for Educational Technologies; and Ms. Helen Jackson, a graduate student at the University of Maryland, Baltimore County. We also thank S.M.A.R.T. board members James Anthony, Harold Goodridge, and Linda Jackson for their assistance with the program logistics.



**Helen Jackson (left) and Beth Brown were among the presenters for the students and general public visitors to Howard University, participating in the Mars viewing program.**



**Shown with the Howard University Observatory's telescope are S.M.A.R.T. board members George Carruthers, Harold Goodridge, Valerie Thomas, and James Anthony.**



**This view of the planet Mars, at the time of its closest approach to Earth on 27 August 2003, was taken by the *Hubble Space Telescope*.**

### **NTA Cleveland Chapter—2004 Nsoroma Awards Program Announcement**

**Date:** Saturday, March 27, 2004

**Time:** 10:00 a.m. doors open, program begins at 11:00 AM and ends by 2:00 PM.

**Location:** Windows on the River, Cleveland, Ohio

**Contact:** Khary I. Parker (216) 514-1763

**Details:** The Cleveland chapter of the National Technical Association (NTA) will recognize five local women of color whose scientific, technological, and educational accomplishments warrant special honor - The Nsoroma Award. Tickets are \$35.00 per person. The deadline to receive nominations for the NTA Nsoroma Awards is February 14, 2004. Sponsorship opportunities are available.



## Book Review

By K. J. Prestwidge, Ph. D.  
NTA NorthEast Regional Director

**Edward Bouchet: The First African- American Doctorate**, edited by Ronald E. Mickens  
World Scientific Publishing Co., 2002.  
1060 Main Street [Suite 1B], River Edge, NJ 07661

As a compiler of a bibliography, *African Americans in Science, Engineering, and the Health Professions*, I am very curious about the lives of early contributors to these fields, and especially about the first African American doctorate from Yale University.

Edward Bouchet earned a Ph.D. from Yale University in 1876, the 6th person in the U.S. to earn a doctorate. His area was experimental physics. His dissertation on geometrical optics was entitled, "On Measuring Refracting Indices"\*. Very little was known about him, before and after this accomplishment, until this publication. Much is still to be unearthed about him.

The paperback's front cover has a lovely photograph of him in brown tones, as it might appear in an old photograph. Two pictures of him at an earlier age are included along with a few other photographs.

Bouchet was elected to Phi Beta Kappa in his junior year at Yale. He had been Valedictorian of his class at Hopkins Grammar School, where he spent the last two years of a five-year secondary preparation. The Grammar School was located near Yale.

Dr. Ronald E. Mickens, Callaway Professor of Physics at Clark University, in Atlanta, GA, has edited this very important book. The first chapter, by Dr. Curtis L. Patten, currently professor in the Department of Epidemiology and Public Health at Yale University School of Medicine, gives information about the African American presence in New Haven in the 1850s and 1860s. Chapter 2, by Thomas Rodd Jr., describes Bouchet's years at Hopkins Grammar School from 1868-1870, while Chapter 4, *In Search of Edward Bouchet*, is written by John A. Wilkinson, a graduate of Yale College and Yale Graduate School. He has held several positions at Yale over the years, including Secretary of the University. During Wilkinson's tenure as Secretary, he commissioned a portrait of Bouchet, which hangs in the Sterling Memorial Library at Yale.

To be educated, brilliant, and capable, yet not allowed any opportunity to work in his discipline, must be one of life's most frustrating experiences. Bouchet prevailed over the years, maintaining his humanity and contributing to his communities.

For 26 years he taught chemistry and physics, without a laboratory, in a Quaker school, The Institute for Colored Youth in Philadelphia.

This book is a gem which needs to be read by all. I have and will continue to give it away as a gift. We all need to more fully understand the past as well as the present.

\* Mineral fragments can be immersed in liquids of different density to measure the bending a light for identification purposes.

*Additional Suggested Books to read:*

**The National Medical Association Demands Equal Opportunity...Nothing More, Nothing Less**  
by Charles H. Wright, M.D.  
Charro Book Company Inc., 17344 W. 12 Mile Road, Suite 101  
Southfield, MI 48076

**Mr. Harlem Hospital, Dr. Louis T. Wright M.D. 1892-1952**  
by Robert C. Hayden  
Tapestry Press Ltd.  
Orders via Select Distribution Center, P.O. 2323  
Boston, MA 02107 \$ 30.00 + \$ 2.00

**North Pole Legacy: Black, White & Eskimo**  
by S. Allen Counter. Invisible Cities Publisher,  
Montpelier, VT  
Paperback \$ 14.95

**What Next, A Memoir toward World Peace**  
by Walter Mosley  
Black Classic Press \$16.95

**Style & Grace: African Americans at Home**  
by Michael Henry Adams  
A photographic book exclusively devoted to presenting the African American tradition of flair & creativity in home design & decoration.

**Ira Aldridge: The Negro Tragedian**  
by Herbert Marshall and Mildred Stock  
Howard University Press, Washington, D.C. 1993

**NTA 2004 Conference To Be Held at  
Tuskegee University  
September 14-18, 2004**

Look for more details in the Winter, 2004 issue of the *NTA Newsletter* and elsewhere on the NTA Web Site. Also, start planning NOW to participate!

It is especially important to let students know about this opportunity well in advance, so they can start planning and developing their projects for presentation at the Conference, and making plans for travel to the Conference.

If you are a faculty or staff member at a high school, college, or university, please provide this information to other staff and to students (including the NTA Web Site, at which they can keep up with further developments). If there is a local chapter of NTA nearby, you should also make sure you are on their contact list, for local meeting and program announcements, including programs for students and teachers.

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**NTA MEMBERSHIP APPLICATION OR RENEWAL**

**Name** \_\_\_\_\_  
*Title (Mr., Ms., Dr., etc.)      First      M.I.      Last*

**Address** \_\_\_\_\_  
\_\_\_\_\_

*City or Town      State      Zip Code*

*Telephone Number(s)      Fax Number      E-Mail Address*

**Primary Occupation** \_\_\_\_\_  
(Occupational Goal if Student, Former Occupation if Retired)

**Scientific/Technical Interests** (in addition to above) \_\_\_\_\_

**College/University Attending** (if Student) \_\_\_\_\_

Current Status (Freshman, Sophomore, etc.) \_\_\_\_\_ Major Field of Study \_\_\_\_\_

**Payment Method** *Check/M.O.*  *Amex*  *Master Card*  *Visa*

*Credit Card Number* \_\_\_\_\_ *Expiration Date* \_\_\_\_/\_\_\_\_

*Signature* \_\_\_\_\_

**Local NTA Chapter** (if applicable) \_\_\_\_\_

**Payment** Professional \$50  Student \$10  Tax Deductible Contribution \$ \_\_\_\_\_

Today's Date \_\_\_\_\_

**Please Mail with Payment (or credit card information) to NTA Address**

(Keep a copy for your records) **Or Visit Web Site:** <http://www.ntaonline.org>