



## A MESSAGE FROM THE DIRECTOR



Dear Center Employees:

I want to take this opportunity to update you on the efforts of the Technical Center's Strategic Leadership Team. Your leadership team has been working on the extremely important and challenging task of plan-

ning the Center's future. We are considering not only the Center's role in the changing environment in which we work, but also the direction that we should be taking to strengthen our position in this new environment.

Key deliverables (or products) and core work processes have been identified as we would like to see them, and the workflow of the core processes is being analyzed in an attempt to identify the best possible structure for the Center. Although this effort has been time consuming and has taken longer than originally anticipated, I believe that it is more important to perform this task correctly than to rush in order to meet earlier schedules. I am therefore seeking input from all Center employees and am eager to hear from you during the all-hands meetings that we are in the process of conducting.

I have briefed ARA-1 about the work we are doing and would like each of you to understand the direction in which we are heading. We have analyzed the new Performance Based Air Traffic Organization (PBO) structure and determined that the Technical Center should be a part of it. This recommendation has been communicated to both ARA management as well as the Center's management team. As you have heard, the new PBO work structure will be headed by a Chief Operating Officer to be named by the

Administrator. The organization will include Business Units, which will be aligned along service lines. One of these (the Terminal Business Unit) has already been established and will soon be followed by others. Our focus is in shaping aviation's future through innovations (research and development, new ideas/concepts), and solutions (answers to system(s) problems that bridge today and tomorrow). In addition, we will be integrating our support services to provide better and more complete customer support.

Equally important is what we want the Technical Center to be to each of you -- a place where all of our employees want to be -- a premier workplace where our employees can carry out the important work we do. If you have seen the briefing that is currently being conducted at the Division level, I hope that you remember the last slide that says, "This is NOT Business as Usual." Having set our aim high, a 5-year set of Strategic Business Goals was created, which are critical to achieving our vision and mission. These goals include continued high customer satisfaction, increased revenues, well managed resources, and the initiation of new Technical Center services and business ventures.

I know some of you may be asking for additional details, so stay tuned. We will have more information out shortly. But the important thing to remember is that we are trying hard to provide a unique set of services that our customers will continue to value highly, positioning us to take advantage of the growth in aviation and transportation. I truly believe we hold the keys to understanding and solving many of the problems confronting aviation today. Our new Technical Center Strategic Plan, which builds on the plan we had a few years ago, will give us a large boost in the right direction. I look forward to working with you to meet all our goals. --Anne Harlan

## VIEWS FROM THE BLACK

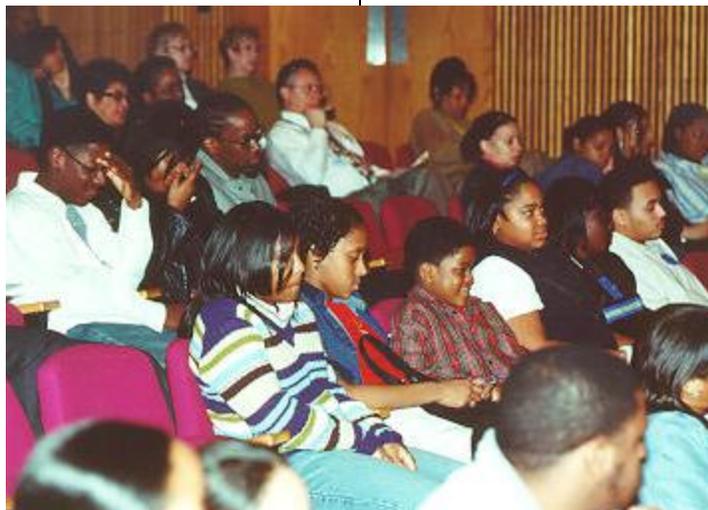


This past February, the Technical Center Region (TCR) NBCFAE continued in its tradition of highlighting

the progress, richness, and diversity of achievements of African Americans through Black History Month celebrations. The Center's Black History Month programs and displays are specifically designed to be enlightening and informative, as well as entertaining.

Throughout the month, displays of African American history and culture were displayed in the Atrium. The display entitled, "African Art is...Images of Power and Identity," exhibited photos of metal, wood, and terra-cotta art plates provided by the Smithsonian National Museum of African Art. Works of art from Africa dated from the 14th, 15th, 16th, 19th, and early 20th Centuries were included in the pictorial display. Another display exhibited notable African American heroes and heroines who helped to shape America's social, cultural, and scientific heritage.

February 7, marked the official opening ceremony of Black History month at the Tech Center. The program was a combined effort of Technical Center Region NBCFAE, the Office of Civil Rights, and the National Society of Black Engineers (NSBE). This year's theme "Creating and Defining the African American Community: Family, Church, Politics, and Culture" reaffirmed the struggle and the determination to change atti-



tudes and heighten the understanding of the African American experience.

The opening ceremony explored the wonder of African American history through the power of music with a dramatic storyteller and professional vocalist and singer, Wincey Terry. Ms. Terry leads WINCEYCO, Inc., a performance troupe from North Jersey. She has worked with music and film industry giants such as Spike Lee, Bill Cosby, and Tina Turner. In a 60 minute assembly, WINCEYCO, Inc., enlightened the audience, consisting of Center employees and local high school students, through stories and songs. These stories and songs took the audience on a journey through time, revealing the origins of great music, such as

calypso, ragtime, the blues, R&B, jazz, Hip Hop, and more. The program captured the spirit, the rhythm of innovation, and the journey of African American history.

The Technical Center Region, led by TCR member **Beatrice**



**Campfield**, continued its celebration of Black History month on February 27. In a program entitled "Understanding Our Past," the TCR and friends of TCR portrayed African Americans who were instrumental in the Anti-slavery movement and the Civil Rights Movement. The program also included poetry, Gospel music, KWAANZA dance, and a fashion show.

# HISTORY MONTH CELEBRATION



At that program, **Sandy Harris** portrayed Sojourner Truth, reciting the poem "Aint I A Woman?," and **Maurice Johnson** portrayed Frederick Douglas doing his famous "July 4th Speech." The large audience was further enlightened by **Nella House's** portrayal of Harriet Tubman giving a synopsis of her

work on the Underground Railroad. This portion of the program ended with **Sam Wilson** sharing information on the "Day of Jubilee," New Year's Day in 1863 when President Abraham Lincoln signed the Proclamation to free the slaves.

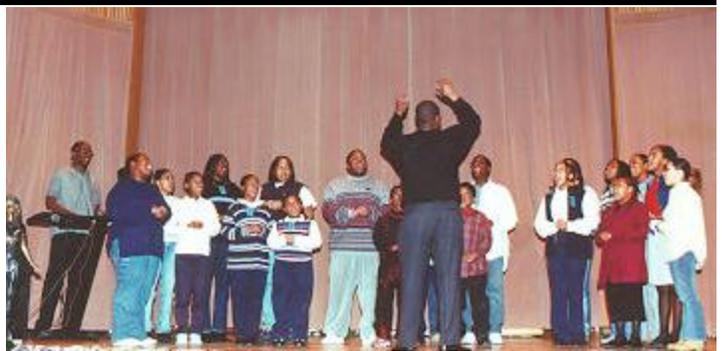


The second part of the program highlighted the Civil Rights

Movement and included **Ken Hitchens'** portrayal of Malcolm X and **Bobby Nichols'** portrayal of Dr.



Martin Luther King, Jr. **Chinita Roundtree-Coleman** ended the segment with the poem "Equality."



Music filled the auditorium as **JoAnn Williams** sang Yulanda Adam's "I Rise." The New Hope Baptist Church Youth Choir sang three spirited selections. Many attendees commented on the discipline of such young voices.

Guest TaMar LaSure further captivated the audience with her KWAANZA dance. Various forms of African attire were on display as TCR members and friends showed their modeling talents and walked across the stage. The program ended with **Angela Lewis** reciting a poem by Maya Angelou.



As in the past, the TCR gave Center employees an opportunity to sample typical African American dishes during the Soul Food Feast after the program in the atrium. Donations from the food sampling benefited the TCR scholarship fund.



## FAA FY 2002 BUDGET REQUEST

## NEW COE FOR GENERAL AVIATION



The Bush administration

has asked Congress for \$13.28 billion to fund the FAA in fiscal year 2002, a 5.8% increase over funding in FY 2001.

The President requested \$6.8 billion in Operations funding a 5.5% increase; \$2.91 billion in Facilities and Equipment funding, a 10% increase; \$3.3 billion for airport grants, a 3.3% increase; and \$188 million for research and development, less than a 1% increase.

You can find a copy of the FAA FY 2002 Budget in Brief online at [ww.faa.gov/aba/html\\_budget/2002.html](http://ww.faa.gov/aba/html_budget/2002.html). This document is the President's FY 2002 request for the FAA. The President's budget is what is submitted to Congress -- Congress then passes appropriations bill, which determines how much money each agency really gets.



The FAA recently announced the selection of Embry-Riddle Aeronautical University as the lead of a team that will form the new Air Transportation Center of Excellence for General Aviation (COE-GA). Other members include Wichita State University, the University of North Dakota, Florida A&M, and the University of Alaska.

The universities will enter into cooperative agreements with the FAA that allow them to share as equal technical and fiscal partners in support of GA safety-related research and development programs. The COE-GA is expected to be operational within the next six months.

Centers of Excellence are designated on behalf of the FAA Administrator following rigorous competition and a formal evaluation based on criteria mandated in Public Law 101-508 (49 U.S. Code 44513), the FAA Research Engineering and Development Authorization Act of 1990.

Funding for the center will be provided through cost-share contract awards and grants subject to dollar-for-dollar matching fund requirements mandated by Congress. While this award represents a long-term FAA commitment over the next 3-10 years, the Center will strive to become self-supporting within 10 years. The Airport and Aircraft Safety

Research and Development Division (AAR-400) will manage this Center of Excellence.

Through the Centers of Excellence program, the FAA enhances internal research efforts and accesses academic research, striving to hasten the application of this work to benefit the aviation community and the flying public.

By establishing major research centers throughout the country to advance aviation-related technologies, the FAA proactively works toward creating a pool of professionals trained in aviation-related research areas; helps finance graduate education; fosters cooperative FAA-university-industry research and development; and, ultimately, improves the national airspace system.

These centers form a cumulative repository of knowledge, and encompass the entire spectrum of research and development from basic research to engineering development and prototyping.

In addition to the new COE, other FAA COEs focus on pavement technology, operations research, and airworthiness assurance.

For more information on FAA Centers of Excellence, contact Patricia Watts, FAA Centers of Excellence program manager, at (609) 485-5043, or by email at [patricia.watts@tc.faa.gov](mailto:patricia.watts@tc.faa.gov).



**EMBRY-RIDDLE**  
AERONAUTICAL UNIVERSITY

## COE NEWSLETTER ON-LINE

NEXTOR

You can read the most recent edition of FAA's National Center of Excellence for Aviation Operations Research quarterly newsletter, *NEXscape*, on-line at:

<http://www.its.berkeley.edu/nextor/pubs/Nexscape/NEXscape13.pdf>

This Center of Excellence comprises a consortium of the University of California at Berkeley, the Massachusetts Institute of Technology, the University of Maryland at College Park, and the Virginia Polytechnic Institute and State University at Blacksburg. Operations Research is an extremely dynamic field, encompassing a wide variety of disciplines from economics to artificial intelligence.

## A VERY GOOD YEAR FOR FAA

Despite what we read in the paper, FAA employees are very good at what they do. Although our work load increases every year, we still run the best aviation system in the world. The facts speak for them selves:

- 1) the number of U.S. airline passengers has increased 40-50 percent since 1991; some 250 percent since 1978 when airline deregulation went into effect;
- 2) even though 92 persons were killed in commercial airline accidents (Part 121) last year -- 88 in the one off the coast of California -- the accident rate for this category per 100,000 departures decreased from 0.449 to 0.440;
- 3) there were no security incidents in the U.S. system last year, and none so far this year;
- 4) reliability of NAS systems/equipment has been increasing and is now running at 99.65 percent.

Somebody out there must be doing something right! Congratulations on a job well done.



## OOPS!

In last month's article on the Science Fair, we inadvertently left out one participating school and one judge. The school was Belhaven Avenue, and the judge was **Harry Krumaker** (ACT-630). We apologize for this oversight.

# A SAFETY MINUTE

## FROM THE SAFETY OFFICE, ENVIRONMENTAL BRANCH (ACT-640)

### An 8 Point Tick Check

Well folks, spring has sprung and its time to think "outdoors." Whether you are at work or at home there are a number of activities that will lead you to the great outdoors. For instance, there is the need to cut the lawn and trim the bushes, as well as recreational activities like hiking, bicycling, and picnics. The increase in outdoor activities leads us to today's topic of Ticks.

Ticks in South Jersey are a legitimate health concern. They carry various types of diseases -- with the most famous disease being Lyme Disease. Therefore, we have prepared an 8 Point Tick Checklist that we hope you will find useful!

1. Wear light colored clothing (white or light blue).
2. If possible, wear long-sleeve shirts, long pants or coveralls, and high-top boots when going into the woods.
3. Tuck pant legs into boot socks and tape the top of the boot sock and boot with duct tape to your pant legs.
4. Apply Permanone to clothing, especially on boots, pant legs, and around the waist.
5. For skin application apply a repellent with at least 35% Deet.
6. When leaving the woods or outdoor area, and before entering your car or home check your shoes and clothing thoroughly for ticks.
7. When outdoors, if you do find a tick on your clothing or skin,

obviously remove it - and check again once you get home. Use your fingers or fine tooth comb to check your hair, then take a shower.

8. If you have an attached tick, use a device like a Pro-Tick Remover to remove it. This device removes ticks without discharge of the tick's fluid into your skin.

Whether you're at work or at home we encourage you to use this checklist as part of an overall outdoor safety plan. If you need further information on Tick Protection you can contact the Safety Office at x6360. It's spring time - get out and enjoy yourself (safely)!



## JUP INFORMATION ON-LINE



The presentations from the January JUP Quarterly Review Meeting are now available electronically via the Internet web server [act250.tc.faa.gov](http://act250.tc.faa.gov). To link specifically to the January meeting's web page, please point your web browser to [www.act250.tc.faa.gov/jup/jupq\\_011801/readme.html](http://www.act250.tc.faa.gov/jup/jupq_011801/readme.html). The site includes the abstracts and presentation slides for each of the JUP researcher's briefings, as well as the attendee list for the meeting. If you have any questions, please feel free to contact **Mike Paglione** (ACT-250) at 609-485-7926 or via email at [mike.paglione@tc.faa.gov](mailto:mike.paglione@tc.faa.gov).

## NEWS FROM AROUND THE CENTER



Kudos to ACT-30's Joe Martirone and Kathy Fleming. Atlantic City International Airport's Thomas Rafter

recently sent a letter to the Tech Center thanking Joe and Kathy for helping the South Jersey Transportation Authority (SJTA) understand the travel patterns of Center employees. Continental Airlines plans to begin service to the airport in June, and SJTA wanted the information to better plan for future service to Atlantic City. In his letter, Rafter wrote that "not only did Mr. Martirone answer our questions dealing with air service but also had numerous suggestions to help the SJTA gather additional travel information . . . the courtesy shown by Joe and Kathy will prove extremely valuable in the marketing strategy of the SJTA and form a basis for obtaining future air service." **Bruce Singer**, in passing the note to Joe and Kathy, wrote "It's always nice to get a letter of thanks and praise - thanks for showing off the Tech Center as a professional organization."



An Executive in the Making. The United States Department of Agriculture (USDA) Graduate School Executive Potential Program (EPP) has selected AAR-530's **Mike Versage** to join its EEP

program. Earning an EPP program diploma requires a combination of seminars, developmental assignments, executive interviews and shadowing assignments. Mike intends to take advantage of this privilege by seeking opportunities with other security related international government R&D programs.

Congratulations. **Judy Huggard Gallagher** (AAR-530) and her husband **Mike Gallagher** (AOS-520) welcomed their second child, Kailyn Ann Gallagher, on April 3.

International Safe Skies For Africa. On February 26-27, the Tech Center hosted an orientation visit for the directors general of civil aviation from Namibia, Tanzania, Kenya and Cape Verde. **Chris Seher** (AAR-400) welcomed the group on behalf of the ACT management team. While at the Center, the Visitors Program (ACT-70) set up tours and briefings for the group. For example, Center employees conducted a flight demonstration on board the Convair 580, flying approaches to several runway ends at ACY using our LAAS Test Prototype to demonstrate LAAS performance under operational conditions. Besides the directors general and their staffs, Susan McDermott (DOT's Deputy Assistant Secretary for Aviation International Affairs), Connie Hunter (OST), and representatives from the U.S. Trade Development Agency also participated. Thanks to the following organizations and individuals who made this a successful visit: ACT-212's **John Walczak** and **Steve Spahn** (Raytheon); ACT-220's **John Wilks**, **William Vaughan**, **Lester Hancock**, **John Aschenbach**, **Benjamin Gottlieb**, **Bernard Garbowski** (contractor support), and **Rodger Bawgus** (contractor support); ACT-320's **Bill Benner** and **Tri Nguyen**; and ACT-360's **John Warburton**, **Dean Joannou**, **Mike Magrogan**, **Sharon DeMatte**, and **Stan Pszczolkowski**.

Commendation. **Dr. Tanya Yuditsky** (ACT-530) received a letter of commendation for exceptional performance from the lead of the STARS product team, Alan Feinberg (AUA-310). The letter cited Dr. Yuditsky's performance and professionalism while conducting a STARS FS-1 Airway Facilities CHI validation at the vendor's facilities from January 30 to February 1, 2001. Feinberg indicated that her performance was a credit to the Center and thanked her for a job well done.

## SUCCESSFUL CONGRESSIONAL VISIT

In early April, House Aviation Subcommittee chairman, John Mica, Representative Frank LoBiondo, and three other members of the subcommittee toured the Tech Center with Administrator Garvey. According to *The Press of Atlantic City*, at a press conference held after the tour, the congressional delegation said they were impressed by the Center's research efforts. The newspaper reported Mica as saying that "he would like to see the facility receive even more funding from Congress, considering its pivotal role in aviation safety and modernization." He was quoted as saying, "Certainly, there is no place in the nation that can help more than this tech center."



Congressman Mica addresses the audience. Congressman Frank LoBiondo is standing behind him.



Anne Harlan welcomes the visitors to the Tech Center. From left to right behind Anne: Administrator Garvey, Congressman Bill Pascrell, Jr., Congressman Mica, and Congressman LoBiondo.



From left to right: Administrator Garvey, Congressman Mica, Congressman Vernon Ehlers (at podium), and Congressman LoBiondo.



Congressman LoBiondo touts the good work of Center employees, as Congressman Pascrell, Jr., looks on.

## TIGER SCOUTS VISIT THE HANGAR



Recently, seven 1st and 2nd graders from Seaview Avenue School in Linwood visited the Tech Center. They were part of the "Tiger Cub Scouts" who are meeting at various locations throughout the year. "They are working on a transportation badge #9 in a series of 17," says parent Paula Daly. The theme of that badge is "Getting There," and each scout needs to see how people are moved within the transportation system. What better place than the Atlantic City International Airport and the FAA hangar.

Pilots **Larry Vanhoy** and **Keith Biehl** (ACT-370) gave the boys a royal tour. The boys asked about a million questions, which Larry and Keith attempted to answer. The most amazing thing to the boys was that aircraft can be torn apart for maintenance and still fly when put back together! The other question most asked was where is the "black box," and why is it orange? According to Mrs. Daly the discussion on the way home was non-stop. **Carleen Genna Stoltzfus** (ACT-70) would like to thank Larry and Keith for taking time out of their busy day to talk to these kids.



## ISO TRAINING

Fourteen Aviation Security R & D professionals concluded a 3-day training session on April 5, 2001. The training, conducted by the American Society for Quality, was to prepare the AAR-500 ISO 9001 Team to accomplish its objective to have the Aviation Security Laboratory ISO 9001 certified. This certification provides a significant platform for continuous process improvement within the Division. **Terry Lewis**, from AAR-400, also participated in the training.

While training is not normally considered a significant event. This training is a direct result of a Congressional mandate to the FAA for process improvement and the requirement to make the Aviation Security Laboratory compliant with ISO. AAR-500 also has an ongoing initiative implementing FAA-iCMM in the areas of Airport Security Technology Innovation (ASTI), Human Factors (HF) and Aircraft Hardening (A/C Hardening). **Ron Polillo**, AAR-500's Executive-at-Large, is responsible for implementing all process improvement efforts.

Pictured below are those AAR-500 employees who attended the training. **David Taylor**, not pictured, also attended the training. Unable to attend training but on the ISO 9001 team: **Judy Haggard-Gallagher** and **Theresa McGhee**.



Front row, left to right: Sharon Moore, Terry Lewis, Steve Rooney (JIL Information Systems), Patty Reichenbach, Diane Wilson, Shiu Cheung. Second row, left to right: Instructor JP Russell, Ron Polillo, Skip Lane, Therese Brennan, Dave Fabry, Donna Tropiano, Jane Burke, and John Tye.

## ACT-73 WINS PRESTIGIOUS INDUSTRY AWARD



of a national competition honoring excellence in visual communications.

Produced at the Technical Center, "Zero Tolerance for Harassment," was the vision of Barbara Smith, Director of the Accountability Board (AHA-1) at FAA Headquarters. The video program, shown to FAA employees worldwide, was developed to reflect the expanded scope of the board to respond to allegations of harassment of all types.

**Pat Mabis**, the ACT-70 Division Manager, participated in script development and attended the studio production shoot in Haddon Heights, NJ. Ms. Smith was also on hand to observe the taping of the stylistically innovative vignettes that comprise the finished product. She also took her turn in front of the cameras for an interview, lending her personal commitment to the project.

This most recent award comes on the heels of two previous recognitions ACT-73 received this past year for professionalism and quality. At the Center Awards Ceremony in July 2000, the members of the production team were presented with trophies for two other industry awards received that year, in addition to the Center Director's Award for achievement and

The Imaging Technology Branch (ACT-73) is the recipient of yet another prestigious industry award for their work in developing a video production for the FAA's Accountability Board. The Communicator Award is part

excellence. This third industry kudo is an indicator of yet another excellent year of top-notch video production for ACT-73. Since 1999, the branch has received four Telly Awards, two Communicator Awards, and one Axiem Award, all industry honors for excellence video production.

Members of the production team will receive the Communicator's Crystal Award of Excellence in a ceremony this Spring. The award winners are ACT-73's **Robert B. Marks**, Imaging Technology Branch Manager, **Annette Harrell**, **Michael Gross**, **Dale Dingler**, **Verna Artis**, **Anna Kertz**, **Ronald Meilicke**, **Frank Merlock**, **Carol Martin**, and **David P. Hess** (ART-Z Graphics) (David not pictured), **Barbara Smith** (AHA-1), and **Pat Mabis**.



Barbara Smith (sitting) and Pat Mabis.



## WONDER WOMAN



**Dr. Cathy Bigelow** (AAR-400) recently received a special "Wonder Woman" award from the Federal Women's Program of the Tech Center. Cathy received the award for her superb technical expertise, management achievements, and outstanding support of minorities.

Cathy has worked avidly to support women and other minorities in the workplace. She has increased participation by Hispanic Serving Institutes and Historically Black Colleges and Universities at the Center and in her branch's research activities. She actively mentors and provides developmental opportunities for her employees. Her leadership has shown true results, as a high percentage of her employees (over half belonging to cultural minority groups) have been recognized by the FAA for outstanding achievements in job performance.

"Cathy Bigelow is most deserving of this special honor," said **Anne Harlan**. "Her tireless efforts in providing leadership and helping women and all employees to succeed in work and life truly exemplify the spirit of the Wonder Woman Award."

Last year, Dr. Bigelow received the Center's Model Work Environment Award of Excellence, as well as the Model Workplace and Diversity Award for FAA's Research and Acquisition organization, in

addition to other technical awards.

Dr. Bigelow was the first woman in the Ph.D. program in structural engineering at Georgia Institute of Technology. She worked at NASA as one of the few women in her technical area. When joining the FAA, she was the first and only woman engineer in the national aging aircraft research program, a distinction she holds to this day.

Dr. Bigelow is currently manager of the Airworthiness Assurance Research and Development Branch, where she manages an annual budget of over \$30 million, and supervises 33 engineers working in the areas of: aging aircraft, catastrophic failure prevention, propulsion and fuel systems, advanced materials, and crashworthiness. She is program manager for the FAA Center of Excellence in airworthiness assurance, which has 27 university members and a budget of \$15 million.

Aside from her strong technical mastery, Cathy is a talented stained glass window artisan. As a volunteer, she has led and worked on teams that design and build stained glass windows for new churches being built across the country. She holds a doctorate and master's degree in civil engineering from Georgia Institute of Technology and a bachelor's degree in civil engineering from the University of Vermont.

### Congratulations Cathy!

## A DAY AT THE FAIR

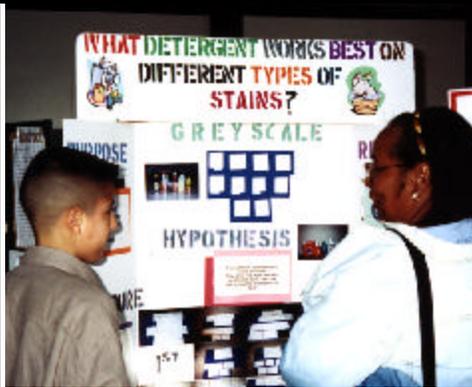
(Thanks to **Carolyn Pokres**, ACT-70, for sharing her experience.)

Recently, I had the opportunity to work at the 26th Annual Jersey Shore Science Fair (JSSF). ACT-70's Community Outreach/Aviation Education Program is responsible for obtaining judges for the event, but in the meantime, I experienced a truly pleasurable day.

The JSSF is held every year at Stockton State College, with Director **Cathy Jaggard** at the helm. When I arrived at 7:30 am (on a SATURDAY!) there were nothing but empty tables with signs on them, providing the students with their exhibit showcases. The judges' room was empty, except for the few of us that were designated to work.

By 8:30, the place was alive with people. There were students and parents everywhere! The once-empty tables were now full, with anxious children manning them. Meanwhile, back at the judges' room, things were beginning to get a little crowded also.

Over 90 volunteers showed up to judge this very worthwhile fair. Judging classification was broken up into age groups of contestants, ranging from 6th to 12th grade,



and area of entry. For example, some of the categories were biology, earth and space sciences, math, etc. Many of the judges had done this before, but all understood how important it was to the children.

My favorite part of the day was presenting the winning ribbons, in Stockton's auditorium, to the 9 - 12 grades. They were all so enthusiastic, nervous, and appreciative that it was heartwarming. The previous months of planning and hard work all came together for me in that one afternoon!

ACT-70's **Carleen Genna-Stoltzfus**, Program Manager Aviation Education/Community Outreach, **Lana Haug**, and I would all like to thank the list of people below for their dedication and participation in the science fair: **Kenneth Allendoerfer** (ACT-530); **Eva Baranowski** (Stockton College); **Philip Barbagallo** (BAE Systems); **Delores Beard** (EMSL Analytical, Inc.); **Richard Beck** (AmerGen); **Jack Beilmann**; **Ken Beisel** (ACT-52a); **MaryAnn Boyce** (JSA); **Dorothy Buckanin** (ACT-300); **Stephen Buckanin**

(Atl.Cty.Utilities Auth.); **Basilyn Bunting** (ACT-200); **Jeana V. Bunting**; **Joe Burns** (ACT-330); **Wendy Byar**; **Barbara Byrne** (Univ.of the Sciences); **Bruce Byrne** (UMDNJ); **Gerry Campbell** (ACT-52); **Jeanette Cardamone** (Hides, Lipids, & Wool Research Program); **Anthony Cerino** (AAR-510); **Eric Chacellor** (Stockton College); **Tom Charlton**; **Lory Coursey**; **Don Croneberger**; **Butch Dansby** (ACT-71); **Joan Dansby** (Egg Harbor Township Schools); **Jean-Francois D'Arcy** (Titan SRC); **Linda Duca** (Atlantic Co. Health Dept.); **Jane M. Flipping** (Boys and Girls Club); **Gary Frings** (AAR-431); **Ithiel Fuller**; **Christine Gerhardt-Falk** (ACT-520); **Joe Gionfriddo** (Wyeth Ayerst Pharmaceuticals); **Debi Goodson** (CSSI); **Gordon Grguric** (Stockton State College); **Jerry Hadley** (ACT-540); **Sehchang Hah** (ACT-530); **Lew Hakes** (ACT-600); **Anne Harlan** (ACT-1); **Annette Harrell** (ACT-73); **Chan Heng** (AAR-500); **Shawn Hershman** (CSC); **Dave Hess** (ARTZ-GRAPHICS); **Jennifer Hicks**; **Philip Holmer** (SRC); **Eric Hoover** (ACT-223); **Donald Hurff** (CSC); **Elizabeth Ince** (Stockton College); **Cathy Jaggard** (ACT-250); **Ed Jaggard** (ACT-510); **Charles Joseph**; **Andrew Knox** (CRL); **Kathleen Lalella** (Port Republic School); **Francis Law** (Universal Automation Labs, Inc.); **Jung Lee** (Stockton College); **John Lucas** (PSEG Power/Salem (Nuclear)); **Richard Lyon** (AAR-423); **Edwin Mack** (ACT-550); **Eliza-**



## NATCA RECOGNIZES CENTER EMPLOYEES

Since October 2000, the NAS Simulation Branch (ACT-510) has been involved in a significant project called the Administrator's Chokepoint Study, which is looking for remedies to overcome 21 specific congestion points in the national airspace system (NAS). The study is part of the Administrator's initiatives to reduce delays in the NAS. ACT-510 has been working closely with the Eastern Region Air Traffic Division, AEA-500; the Air Traffic Airspace Program Office, ATA-1; and the National Air Traffic Controllers Association, NATCA to complete this critical study.

The Center's portion of the project is an airspace redesign effort involving four air traffic facilities in the Eastern Region: New York Center, Washington Center, Philadelphia Tower, and the New York TRACON. This particular part of the project is aimed at reducing delays into Newark Airport by testing airspace changes generated by the controllers from the four affected facilities and then simulating the changes and measuring their effec-

tiveness.

ACT-510 personnel have finished the work on Washington Center and the Philadelphia ATCT. The New York Center and New York TRACON studies will be completed the week of May 28. The overall study results will then be transformed into new ATC procedures that the controllers at the affected facilities will be trained to undertake. New sectors at two of the facilities are also being created as a result of this work. The final products of this work will be implemented in the four facilities in the fall of 2001.

After the Washington Center study was completed in March 2001, the National Air Traffic Controllers Association (NATCA) presented several federal and contract employees in ACT-510 with plaques in recognition for their dedication, service, and contributions to the study. It was certainly unique for a union to formally recognize employees, but it was well received by the recipients.

The recipients were:

**Dan Warburton** (ACT-510)

**Scott Cramer** (Raytheon)

**Mike Ross**

(Raytheon)

**Ella Terrel**

(ACT-510)

**Heather**

**Augustin** (

Titan/SRC)

**Scott Doucett**

(ACT-510)

**Mike**

**O'Donnell**

(ACT-510)

**Stan Rimdzius** (Titan/SRC)

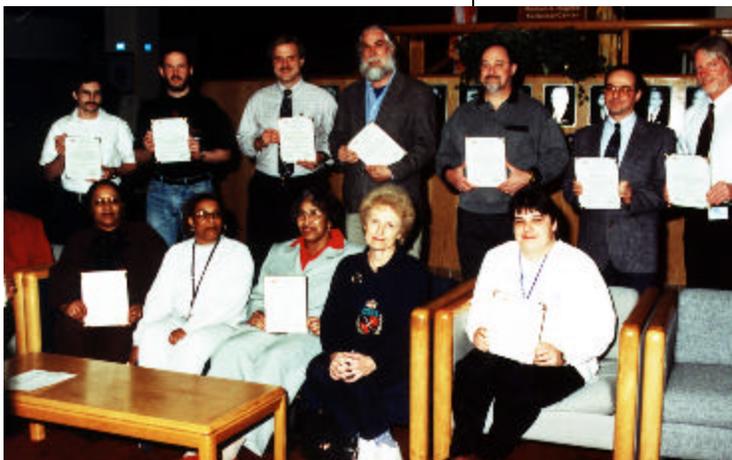
**Jullia Moore** (Titan/SRC)

**Adam Greco** (ACT-510)

**Air Traffic Assistant section of ACT-510**

### SCIENCE FAIR CONT.

beth Mangiameli; Joseph Marshall; **Carol Martin** (ARTZ-GRAPHICS); **Radame Martinez** (ACT-320); **Theos McKinney** (ACT-370); **Harriet McKinney** (ACT-240); Davine McWilliams; Janet Mead (Williamstown Middle School); Stacy Moore-Hagan (Rutgers Marine Field Station); **Eric Neiderman** (AAR-510); Donald Netz; Chuck Nickles; William O'Brien, Jr.; Charles Olinda (Atlantic County Vocational Technical School); Ed Paul (Stockton College); **John Richards** (SRC); **Gary Richey** (CSC); William Rochin (NJ State Police); **Anthony Rodriguez** (ACT-411); **Josh Rubinstein** (AAR-510); Joyce Ruffolo (NJ Fresh Seafood Festival); Annette Scherer (US Fish and Wildlife Services); Steve Shenk; **Danny Sims** (ACT-320); Kimberly Smitelli (Port Republic Schools); Kristin K. Snyder; Brenda Solomon; Debra Sommers (Arthur Rann Elementary School); Joseph Sowers (CSC); **Louise Speitel** (AAR-422); Tom Sutherland; Susan Van Nest; **Nancy Van Suetendael** (SRC); Wackenhut Folks; Carroll Wagner; **Richard Walters** (AAR-420); **Rosanne Weiss** (AAR-423); Lee Wolff (CSC); and **Stephen Woods** (JSA).



## PLANS, PLANS, WHERE ARE THE PLANS?

Ever wonder what FAA's formal mission statement is, or what FAA's strategic goals are and how you fit in? It's in the FAA Strategic Plan. Want to know about the air traffic control system that the FAA and its Air Traffic Organization (ATO) are building for the future? It is in the NAS Architecture and the Aviation System Capital Investment Plan (CIP), supported by the National Aviation Research Plan (NARP).

All those documents are online, and now you can get to all major FAA plans (even those not online) in one place, the new FAA DIRECTORY OF PLANS. The Internet address is: <http://www.apo.data.faa.gov/dirplans/>

Come take a look. Even when a plan is not online, the Directory has the name, a description, a contact person, and how often it is updated. If the plan is online, you will be able to link directly to it. So see for yourself. Better yet, bookmark the address.

Plans change, and the site will be updated as information is received. Comments and suggestions are welcome. The contact is: Chuck Stan (APO-120) at (202) 267-3283 or via email at [chuck.stan@faa.gov](mailto:chuck.stan@faa.gov).

## LONG TERM CARE SECURITY ACT

Public Law 106-265, the Long Term Care (LTC) Security Act, authorized the Office of Personnel Management (OPM) to contract with one or more insurance companies to offer a new Long Term Care Insurance (LTCI) program for Federal and military employees and retirees, and eligible family members. The insurance program will be available by October 2002. It will be the largest program ever offered by OPM, with an eligible population of some 20 million individuals.

OPM has created the Office for Long Term Care Implementation to oversee the myriad of activities that will be necessary to start up this major new program and has established an Internet website, [www.opm.gov/insure/ltc](http://www.opm.gov/insure/ltc). The site contains a wealth of information on long term care insurance and a "Frequently Asked Questions" section. OPM updates the website regularly and intends to use it as a major vehicle to pass on LTCI information to employees and human resource offices. Federal employees are invited to visit the website frequently to learn about this new program as it evolves. If you do not have access to the website, or after you have visited the website, you have questions or require further information, please contact your servicing human resource management division.

## A VISIT TO EGG HARBOR TOWNSHIP MIDDLE SCHOOL

(Thanks to **Barbara Para**, ACT-510, for this first hand report.)

On Friday, March 23, I was asked to visit a classroom of seventh grade students by their teacher, Paula Roberson. My mission was to speak about Women in Aviation from the very first women to fly to present-day women pilots. This was a very broad era to cover within a few minutes. The students were tasked to write down at least three items that they learned from my presentation, and to ask intelligent questions. The questions asked were indeed intelligent, thought provoking, and stimulating, which showed me how interested the students really were.

I began by telling the students that the Wright Brothers were dubbed the first people to be up in the air flying an "airplane." As with most inventions, there are many individuals trying to earn that first spot. Many "flew" before them in non-motorized vessels called "balloons" in the early 1800s. Some of these early "pilots" were women who actually owned their own balloons. Napoleon appointed a woman minister of the Ballooning Society. Ballooning lead to the beginning of aviation, and France got the distinction of being the

## A BOEING 747SP Is ACQUIRED



The Center recently purchased a United

Boeing 747SP1. The aircraft will be used by AAR-400 to test ground-based and aircraft-based fuel tank inerting. Limited testing has been done on ground-based inerting, and researchers say more work is needed to develop and demonstrate the concept, especially its use in an onboard inerting system.

Two phases of research are planned. The first will examine the use of ground-supplied, nitrogen-enriched air to inert a large commercial airplane fuel tank and to study what conditions affect the ability of the fuel tank to stay inert. The second phase will involve soliciting proposals for onboard inert gas generating systems and testing them as they relate to commercial operations. Both phases will be ground-based with no flight tests planned.

The Tech Center said it plans to conduct the first phase from July through October and will install the on-board inerting system for testing early next year. Fuel tank safety has gained emphasis since the crash of TWA 800 in July 1996. Most recently, the NTSB said physical evidence indicates the center fuel tank exploded on a Thai Airways 737 on the ground last month in Bangkok.

## VISIT CONT.

Balloon Capitol during that era.

The Wright Brothers, who were bicycle mechanics and owned their own store, invented the first flying machine in the United States. We all know what happened in 1903 at Kitty Hawk, but do you realize that women wanted to fly just as their counterparts were doing? The first American woman to get her license was Harriet Quimby in 1911. She was a writer, assuming both her own name and that of George Sheridan. She wrote many articles about traveling, all of which appeared in *Leslie's Illustrated Weekly*. Her photography work also won her many prizes, as well as her career in the movie business that began in Ft. Lee, NJ. One of her successes in aviation was her trip across the English Channel. She predicted that the airplane would open a fruitful occupation for women. She died in an accident on July 1, 1912.

Katherine Stinson flew various flights during the early days, one of which was delivering mail. This was quite an accomplishment for a woman. She was most famous for "Skywriting," which she demonstrated all over the world. Today, skywriting has become a lost art. Bessie Coleman was another aspiring woman pilot, but she had two strikes against her: one being a woman, and the other that she was black. Bessie moved to France to pursue her dream of becoming a pilot, and had to learn another language to understand flying instructions. "Queen

Bessie," as she was affectionately known, performed in air shows, thrilling crowds until her untimely death in 1926.

The next decade proved to be exciting for women in aviation. Remember, women still couldn't vote yet, drive cars, or own land in many states. Amelia Earhart, Louise Thaden, and a whole host of other women began flying just about the end of World War I. At the 1929 Cleveland Air Derby, the gals began talking of forming their own group or club. At the time, there were 117 women pilots in the U.S. who were invited to join. A meeting on Long Island at Curtiss Field in November 1929 began what is now known as the Ninety-Nines International Women Pilots. The name came from the number of women who replied to the initial mailing of 99 out of the 117 women pilots. Today the "99s" have chapters world wide, with over 6000 members, with headquarters located in Oklahoma City. Amelia Earhart became the first official president adding to the long list of her accomplishments. She was the first female to cross the Atlantic (but as a passenger), the first woman to pilot an aircraft across the Atlantic, the first to earn the high altitude record (before getting her license), the first female to fly the Pacific Ocean from Hawaii to California, and the first female to fly from Mexico City to Newark Airport. She disappeared while flying over the Pacific on an attempt to fly around the world.

## VISIT CONT.

During World War II, Jackie Cockran's WASP program made it possible for women to become involved in the war effort. In 1953 Jackie was the first woman to break the sound barrier -- Chuck Yeager was the first pilot to break the barrier. In the 1950s the Russians made it to outer space with Sputnik, and in the sixties they put a woman in space. In America, women had a decade to go before they got into space. U.S. women began flying to space in the 1980s. Sally Ride and Eileen Collins were two of the early astronauts. Today women fly everything from Piper Cubs to F-16's, general aviation, commercial, or corporate planes. Jane Garvey is the first female Administrator of the Federal Aviation Administration, so the old saying "You've come a long way Baby" definitely applies from the early pioneers to today's career women.

I believe that the children who participated in this presentation learned a lot about aviation, women, and the hardships some had to endure to preserve their dreams. Their teacher mentioned at the end of each presentation that she had a full page of items that she had learned. Hopefully, the students came away with a better knowledge of women in aviation. Mrs. Roberson has been working with **Carleen Genna-Stoltzfus** and the ACT-70 Aviation Education/Community Outreach Program to further the student's interest in aviation.

## GOOD CATCH

**Mark Ehrhart** (ACT-370) found a mistake in the March issue of *Intercom*. On page 8, the photo identified as Jackie Cochran, is really a photo of Amelia Earhart.

## DON'T FORGET

**Please try to get *Intercom* submissions (articles, photos, ideas) to Terry Kraus via email by the second Tuesday of every month.**

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