



## Dugway Data Services Team

The Sprung Staging Facility at the West Desert Test Center (WDTC), U.S. Army Dugway Proving Ground (DPG) is the forward command point from where the majority of local field testing is managed. It was originally constructed as a temporary shelter to support the Stryker Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) program. It provides customers with all the resources and technical support necessary for testing the performance of military vehicles equipped with nuclear, biological, and chemical (NBC) agent detectors.



JaNeel Nielsen (left) reviews test data with lead data collector Pedro Trevino (right). Data were collected during recent testing of the Stryker NBC Reconnaissance Vehicle.

Since its creation as a vehicle storage facility in the summer of 2005, the site has rapidly expanded and now includes three vehicle shelters, 19 office trailers, and seven storage connexes. It has led to a tremendous increase in DPG's capability for large-scale military vehicle testing as a direct result of contributions from the Dugway Data Services Team (DDST). DDST is headed by Science and Technology Corporation (STC) with support from teammates Mellor Engineering (ME) and Jacobs Engineering (JE). **Craig Gurling** is the Program Manager.

The "Sprung site allows us to adapt to an ever-changing test environment. Since its construction, the Sprung site has proven that co-locating the DPG test team,

Government TD, Government TO, scientists and support staff together with the customer allows for efficiency in coordination and data transfer. Face-to-face interaction is the most valuable means of communication and the Sprung Staging Facility allows for this type of interaction," says Anders Wiborg, Government TD of the Chemical Test Division at WDTC.

DDST personnel provide all the logistic and documentation efforts needed for testing including receipt inspection, test item control, test incident report-

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## STC Supports Aberdeen Test Center

The Aberdeen Test Center (ATC), one of the Department of Defense's (DOD) foremost major range and test facilities conducts developmental testing for all branches of the service on a broad spectrum of military hardware and equipment throughout the lifecycle, from cradle to grave. ATC, a tenant on United States Army Aberdeen Proving Ground, encompasses land and water totaling approximately 70,000 acres with an extensive inventory of facilities. ATC is organized by Directorates, for which the contractors provide services as part of an integrated team. ATC Directorates include Automotive, Command Staff, Firepower, Plans and Operations, Survivability and Lethality, Test Technology, and Warfighter.

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## Honors and Awards

### Langley One NASA Center Best Award

The EVA IR Camera Team, which was selected in 2005 for the One NASA Peer Award (*please see article in STC Newsletter, Vol. 14, No. 2*), was selected this year to receive Langley's One NASA Center Best Award "for working across boundaries to design a camera to detect orbiter wing leading-edge damage below the surface of RCC material." As members of the Team, **Kent Davis, Mick Hartzheim, Viola Jackson, Peggy McCloud,** and

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From left to right: Peggy McCloud, Viola Jackson, Delores Russell, Mick Hartzheim, and Kent Davis.

### STC Receives Employer Support of Guard and Reserve Award

STC recently received the 2006 Employer Support of the Guard and Reserve (ESGR) "Above and Beyond" Award presented by the Maryland Chapter of the United States ESGR national organization. These awards are presented annually to recognize employers which through policies and actions support their employees

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Dick Gilligan accepting the "Above and Beyond" award from Major General (retired) Boyd Cook, Maryland ESGR State Chairman (left) and Aris Melissaratos, Maryland Secretary of Economic Development (right).

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**ATC** (Continued from page 1)

In April 2005, Science and Technology Corporation (STC) was awarded, as prime, the Aberdeen Data Services Team (ADST) contract to support ATC. The Team consists of STC, Jacobs Engineering (JE), and LogSec. The contract includes Administrative Support, Help Desk/Computer Operations, Data Collection and Coordination; Data Compilation, Review and Reporting on a Wide Variety of Automotive, Combat, Electronic, General Equipment, and Ordnance Materiel Undergoing Extensive Testing; Data Transcription and Processing; and Technical Writing, Editing, and Word Processing of Government Technical Reports. ADST is now in the first option year of the contract.

ADST is organized into four separate teams: Administrative Support, Information Systems/Information Assurance, RAM/ILS (Reliability, Availability, Maintainability/Integrated Logistics Support) Data Collection, and Technical Reports. **Harry Kramer**, ADST Program Manager, is located at ATC to oversee and manage daily ADST operations.



Left to right, back row: Harry Kramer, Kathleen Colbeck, front row: Claudie McPhearson, Marian Owens, Trish Kennedy, Nina Blethen.

**ADST Administration Support**

The ADST Administrative Support Team (Admin Support), led by LogSec employees Trish Kennedy and Claudie McPhearson, are located near the ATC Commander's office. Admin Support receives its work from the ATC Directorates. The team currently includes 48 word processors located with the ATC Directorate they support. Admin Support's mission is to support or manage all administrative duties within the Government Directorates while providing quality work and contributing to value-added performance. Admin

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Support Team performs a wide variety of work, e.g., word processing, timekeeping, creating travel orders, preparing memos, editing reports, safety releases, and safety recommendations in a timely manner. In the Command Staff Directorate, the word processors review, process, and research purchase orders on the Versatile Information Systems Integrated Online (VISION) Digital Library (VDL) and manage property accountability of government equipment.



**Cara Cole**, Word Processor III, Admin Support, at work on a Command Staff report.

**ADST Information Systems/Information Assurance**

The ADST Information Systems (IS) and Information Assurance (IA) Teams are led by STC employee **Kathleen Colbeck**, located in the ATC Headquarters. The IS Team comprises seven Help Desk technicians, four system administrators, two software developers, and one network technician. The IA Team includes four Information Assurance technicians. The mission of the IS and IA Teams is to support the IS infrastructure at ATC. Each week, the IS Team completes approximately 250 Help Desk work orders, varying from requests for systems access to computer problems to test and demonstration support. In addition, the IS Team monitors network access and use. The IA Team scans more than 1650 network devices daily for security compliance.

The IS and IA Teams support the entire ATC organization. Requests for assistance come through the Help Desk, from the Command via task orders, and from outside agencies, such as the Directorate of Information Management at APG. The teams are responsible for user access throughout the ATC network and for maintenance and

improvement of most devices connected to the network. In addition, the teams regularly respond to directives and requests for information.

Current initiatives of the IS Team include PC lifecycle replacement, a new Help Desk tracking system, classified network expansion, stronger security on the wireless network, and a continuity of operations (COOP) site.

**ADST RAM/ILS Data Collection**

The ADST RAM/ILS Data Collection Team is led by JE employee Nina Blethen. The Data Collection Team includes 128 employees: 5 computer operators with a leader, 109 data collectors, 11 field leaders, 2 supervisors, and 1 technical program manager. The Team's mission is to provide data collection services, including Reliability, Availability, and Maintainability (RAM), of complex military test items to ATC.

ATC daily scheduling meetings are the source of work for the Data Collection Team. Each month, the Team produces approximately 3500 Test Incident Reports (TIRS) on equipment undergoing testing, 400 revisions, 1500 mission forms, 500 servicing forms, and 500 technical data forms, which the customer uses to compile test information for plans and reports.

Current initiatives of the Data Collection Team include supporting a large assortment of programs, such as the Mobile Gun System, M915, Land Warrior, Generators, High-Mobility Multipurpose Wheeled Vehicle (HMMWV), Expeditionary Fighting Vehicle, M1A1, and Bridge Erection Boat.



**Anita Marie Williams**, Data Collector, gathering information on the Assault Breacher Vehicle.

**ADST Technical Reports**

ADST Technical Reports Team, led by STC employee **Marian Owens**, is located in the ATC Headquarters. Tech Reports comprises 15 technical writers, 4 editorial technicians, 2 proofreaders, and 3 word processors. The mission of Tech Reports is to produce accurate, clear, and professional ATC test documents. Tech Reports handles approximately 400 technical documents per year, including unclassified and classified detailed and abbreviated test plans, formal reports, and test records.

Tech Reports receives work from the ATC test divisions under each Directorate. A test director is responsible for submitting a draft copy of the report providing



**Larry Shepard**, System Administrator, IS/IA Support, finishes racking another server for the ATC Active Directory test environment.

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## STC Extends Operation of the International GEWEX Project Office to nearly 20 Years

STC has been notified that NASA will continue STC's operation of the International Global Energy and Water Cycle Experiment (GEWEX) Project Office (IGPO) for at least another three years, extending STC's very successful operation of this office to nearly 20 years. The IGPO was initiated under an agreement between the United States and the World Meteorological Organization (WMO) and is one of four international climate research project offices (located in four countries) established under the World Climate Research Programme (WCRP) umbrella. The IGPO, with both NASA and NOAA support, oversees the implementation of the recommendations of the GEWEX Scientific Steering Group (SSG) and is responsible for the outreach of GEWEX with over 22 subprojects and nearly 2,500 participating scientists. This organizing and communications outreach effort includes such activities as the internationally recognized quarterly GEWEX Newsletter, an extensive web site, publishing numerous brochures and reports, and organization of the essential numerous meetings and conferences required for the coordination of the over 20 subcomponents of GEWEX.

At the heart of the IGPO is **Dawn Erlich**, who, as the Assistant to the Director of the IGPO for the last 12+ years, has been the heart of the IGPO, as the Editor of *GEWEX News*, the WebMaster for GEWEX, and the Meetings Coordinator for the numerous IGPO supported international meetings and conferences with participation ranging from



Dawn with husband Harry in Bangkok, Thailand, where she coordinated one of many international conferences.

20–30 to over 300 attendees. Dawn has a B.S. in environmental sciences, extensive experience in web site, database, and newsletter layout development, and over 15 years of scientific and technical support experience for numerous satellite missions [e.g., TOPEX/Poseidon Program, the Tropical Rainfall Measurement Mission (TRMM), Advanced Earth Observing Satellite (ADEOS), etc.], including serving as a liaison between NASA Headquarters and the NASA field centers, the National Space Development Agency of Japan (NASDA), and the French space agency, CNES.

The IGPO is also supported by STC's **Carolyn Serey**, who, as the Administrative Assistant, with a BA in English, Business and Technical Writing, brings publications and graphics software experience as well as editing/proofreading experience (at Montgomery County Public Schools, Maryland) to the IGPO. **Dr. Paul D. Try**, STC Sr. Vice President, IGPO Senior Scientist and past Director of the IGPO for over 12 years, continues with part-time support.

The operation of the IGPO brings STC's broad experience and expertise in remote sensing, meteorology, and the atmospheric and environmental sciences into the center of the international climate research community's current and future activities. □



Dawn Erlich

## Welcome to Julie Schornack Maschke

**Julie Maschke** joined Science and Technology Corporation in May 2006 as Corporate Recruiter located in the Hampton office. Julie is responsible for company-wide recruiting efforts. In addition, Julie has assumed responsibility for coordinating company events and promotional items.

Julie received a B.S. degree in business from Ferris State University in Big Rapids, Michigan. She has a background in administration and human resources with specific expertise in recruiting and employment functions.



Julie Maschke

She started her human resources career working with Orbital Fluid Technologies, a leading developer of intellectual property and provider of engineering services, where she held a generalist role as Human Resources Coordinator. She also worked for Anserv Communications, a cable company call center, as Human Resources Specialist. She most recently supported Jefferson Lab, a U.S. Department of Energy national laboratory for nuclear physics research, handling recruiting, employment and assisting with benefits administration as Human Resources Consultant. □

### SPRING 2007 ISSUE

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### ATC (Continued from page 2)

analysis of the product/equipment at completion of testing. Together with the test director, Tech Reports' technical writers assemble and present the raw test data in a readable format. The technical editors copyedit the material following ATC guidelines and standards for document preparation, while compiling a list of queries for the test director. The word processors incorporate the copyediting changes and



**Terri Kearns**, Editorial Technician II, Technical Reports, at work on a test document.

adjust the document to fit the ATC standard format, after which the proofreaders double-check the word processing.

Current Tech Reports initiatives include the receipt, transmission, storage, and tracking of ATC documents on the VDL. Tech Reports also is facilitating the preparation of completed ATC documents in Adobe with embedded photographs and videos of the specific testing processes.

In addition, Tech Reports prepares completed documents for distribution on CDs, omitting the hard-copy printing stage at the ATC printing plant and vastly expediting the publishing process.

### The Future

Through ADST's emphasis on quality, technical know-how, and responsiveness, STC and its teammates have established a positive and professional working relationship with the ATC Directorates they support. Through all of its daily activities, ADST strives toward meeting STC's "paramount goal of customer satisfaction." □

## Student Aboard NOAA Ship Albatross

STC's Boulder office, under manager **John Cunning**, supports the mission of NOAA's Earth System Research Laboratory with scientific, technical and administrative staff. In August this year, STC literally brought aboard 17-year old **Alexa Carey**, on a temporary basis, to take part in NOAA's intern hands-on program. Alexa was one of three winners of NOAA's "Taking the Pulse of the Planet" award at the Intel International Science and Engineering Fair, for her project on "Effectiveness of Strobe Lights, Sound Frequency and Lasers in Reducing Salmon Entrainment through Hydropower Turbines." Alexa won a paid NOAA internship and chose to work with scientists and crew aboard the ALBATROSS IV during its ecosystem monitoring from Cape Hatteras, N.C., to the Gulf of Maine. This is the first time that a Teacher At Sea program has sponsored a student onboard a NOAA ship. □



Photo courtesy of NOAA

Alexa Carey sieves bottom grab sample to capture and preserve benthic organisms for EPA.

### DUGWAY (Continued from page 1)

ing, and System Support Package (SSP) tracking. Currently, DDST has 11 full-time employees stationed at the Sprung site. "Having our staff support the needs of the 300 [weekly] visitors here...allows the TDs and TOs time to focus on the science involved in planning and executing the test," says Shannon Cantrell (ME), Test Support Coordinator for DDST.

Shannon leads the DDST field support team of Renee Drochner (JE), Stacy Lundy (ME), **Christian Baron** (STC), Tina Marshall (ME), **Mary Merritt** (STC), Walter Curry (ME), **Pedro Trevino** (STC), **Julie Garvin** (STC), **JaNeel Nielsen** (STC), and Kristee Castagno (JE).

DDST's support has been vital to WDTC's continued success in NBC testing of military vehicles. The "Sprung Facility is a mission-critical component for future field-testing efforts at DPG. DDST's efforts here at the Sprung Facility will contribute to continued work and recognition for DPG as a leader in testing and evaluation, and to ensure its longevity as a major Department of Defense asset," says Christopher High, Government Detector Group Lead for the Chemical Test Division at WDTC. Test support frequently requires long hours and weekend work to meet the customer's test schedule. DDST's staff has consistently provided outstanding support.

Currently the Sprung Staging Facility is supporting the testing of the Stryker NBCRV, one of the U.S. Army's premier programs. The Stryker contains a variety of NBC detectors for standoff detection, surface detection, and point detection, all of which have undergone production verification testing (PVT) at the WDTC/DPG. The site houses eight Stryker NBCRVs used

in test execution. The Joint Service Light Nuclear Biological, and Chemical Reconnaissance System (JSLNBCRS) PVT and Multiservice Operational Test and Evaluation (MOT&E) programs were staged out of the Sprung site from July 2005 through April 2006. Testing included participating warfighters from the U.S. Marine Corps and U.S. Air Force. The JSLNBCRS MOT&E was the largest operational test conducted at WDTC to date. The Sprung Staging Facility will also be used as the testing command post for other large sensor platforms such as the Future Combat System, the Chemical Un-manned Ground Reconnaissance vehicle, and the Joint Chemical Agent Detector. □

### ESGR (Continued from page 1)

who are called to serve in the military forces across the country and world on active military status.

This award was presented at the Maryland ESGR chapter annual luncheon and awards meeting September 9, 2006. Accepting on behalf STC was **Dick Gilligan**, Senior Vice President for STC Edgewood, Maryland, Regional Office. Commenting on this recognition, Dick reiterated the STC policy of full support to all of our employees who are called to service and that 2005 was a particularly busy year for STC Maryland Guard and Reserve members who were called to serve overseas as well as in Hurricane Katrina relief efforts in the New Orleans and on the Mississippi Gulf Coast. Dick also remarked that what makes this award particularly meaningful is that the nomination of STC originated with several of our employees who sent it in without STC knowledge ahead of time. □

### LANGLEY (Continued from page 1)

**Delores Russell**, all part of STC's Electronics Fabrication Service group, were recipients of the award. At an Honor Awards Ceremony on June 23, 2006, Mrs. Lesa B. Roe, Center Director, presented the award, which was accepted on behalf of the team by Dr. Michael J. Gazarik, EVA IR Camera Principal Investigator and Development Lead. The team's nomination has also been submitted to Headquarters to be evaluated for the Agency "Best of the Best" Award. □

## New Contracts

Our Millimeter Wave subcontract with L-3 was extended through October 2007 and our Newport subcontract was extended with Alion. We are currently awaiting the extension to GEWEX contract for an additional three years. We received a follow-on contract at SPAWAR. We also received a commercial contract with Exxon through 2011.

Recently, STC has been awarded new contracts and subcontracts valued at over \$6.5M from our Government and Commercial/prime customers, with aggregate orders totaling over \$4.6M awarded under our GSA IT contract.

## Safety Training



STC's Electronics Fabrication Services group participates in safety training conducted by NASA firemen.



Hands-on experience for Jeri Carter.