

DATA SYSTEMS TODAY

August 31, 1998

AN/TSQ-73 Program Ends After 28 Years



Some of the individuals who helped to make the AN/TSQ-73 program a success over the years gathered to watch the final three shelters being loaded for their return to the Government on July 15.

"Long Awaited AN/TSQ-73 Contract Win Celebrated" read the headline in the August 1970 issue of *Data Systems' News and Opinion*. Thus began the 28 year history of this program which ended on July 15, 1998 with the return of the final three TSQ-73 shelters to the Government. The article went on to describe the intensive competition for this contract, which encompassed almost two years and more than 10,000 pages of documentation on a system described as 'the most advanced microelectronic air defense system of its time.' The AN/TSQ-73 consisted of a single, easily transportable shelter which housed computers, communications, displays, radar and video simulation equipment. Its weapons control system performed area surveillance and coordinated the action of the Army's Hawk and NIKE (and, later, Patriot) surface-to-air missiles against enemy aircraft.

The initial contract, valued at \$8.5 million, called for the system to be deployed with the U.S. Army and Allied Forces Air Defense Units.

Through the years, the AN/TSQ-73 played a vital role in other successful

proposals. Its reputation was instrumental in the awarding in 1972 of the initial TOS² (Tactical Operations Systems Operable Segment) and the TACS/TADS (Tactical Air Control System/Tactical Air Defense System).

Recognition of the system's capabilities came from overseas as well. At one point, 69 systems were deployed in the United States and various locations throughout the world, including Kuwait, Saudi Arabia, Egypt, Jordan, Korea, Spain, Italy and France. This sale to Italy and France, a NATO co-production, was the first international co-production in which Data Systems was involved. Material was purchased and kitted at DSD, circuit cards and power supplies were assembled in France and shelter installation and testing was done in Italy. The system is still in use internationally, as well as with the National Guard in the U.S.

How did TSQ-73 perform in the field? The customer's point of view was shared by former Business Development Center Director Mike Anderson. While serving in the U.S. Army, he

accompanied Data Systems' employees to Egypt in 1981 in connection with the Camp David Accords to teach the Egyptian General Staff about the system's capabilities. Several years later, the '73' was an integral part of the air defense arsenal in Heidelberg, Germany where Mike was a Lieutenant Colonel with air defense staff responsibility over NATO surface-to-air forces. In addition to the U.S. Army battalions under his staff responsibility, the area was also defended by German and Canadian forces. The brigade TSQ-73 could control not only American surface-to-air Hawk and Patriot missile systems, but could also be used to integrate command and control functions for the German Hawks and Patriots when the forces conducted combined operations. According to Mike, this intercommunicational adaptability made the system unique and highly prized by the forces in the field.

Not only was the TSQ-73 a superior product in its own right, it has engendered quite a legacy. The customer's

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Litton Newsbriefs

Litton to Sell Solid State Division
Litton Industries, Inc. announced that it has agreed to sell its Solid State Division to Filtronic plc of the United Kingdom, subject to Government approvals. The purchase price is approximately \$43 million. Solid State, located in Santa Clara, California, designs and manufactures microwave and millimeter wave semiconductors, components and integration assemblies. Its approximately 260 full-time employees will be retained by Filtronic.

TASC Wins Transportation Department Contract

TASC is among five winning contractor teams selected for a five-year, \$45 million indefinite delivery/indefinite quantity (ID/IQ) contract to help protect the nation's transportation infrastructure from physical or cyber attack and furnish technical assistance, engineering and design support for all related security systems. The potential contract revenues for Litton could be worth up to \$20 million over 5 years.

The contract award was made by the Volpe National Transportation Systems Center in Cambridge, Massachusetts, a U.S. Department of Transportation technical center providing research, analysis and systems engineering services for the transportation and logistics needs of both civil and military government agencies.

Electro-Optical Awarded Majority of Army Night Vision Contract

The U.S. Army Communications-Electronics Command, Fort Monmouth, New Jersey, awarded Electro-Optical Systems Division the majority of a three-year, Omnibus (OMNI) V co-production contract for the production of night vision systems and image intensification (I²) tubes. The contract award to Electro-Optical of \$18.9 million was part of a fixed price contract for Enhanced Third Generation (GEN III) Night Vision Devices and associated spares. Including all options, the contract could exceed \$196.5 million. Work will be performed at Electro-Optical's operations in Garland, Texas and Tempe,

Arizona and is expected to be completed by March 31, 2001.

Coffield President of Life Support
Kelly M. Coffield has been appointed president of Life Support Division (LLS) replacing John J. Helfferman, who is retiring. Prior to being named president, Coffield was director of commercial products, a position he held since 1994. Coffield holds a bachelor's degree in mechanical engineering from the University of Iowa. He joined LLS in 1983.

Kester Consolidates Canadian Solder Company Assets

Kester Solder has begun consolidation of the assets of CRAMCO Solder Alloys, Ltd., a leading Canadian provider of soldering products. Kester purchased the assets in February and is incorporating them into its facility at Brantford, Ontario, to meet increased demand from the Canadian market. This purchase also brings Kester the new capability of certified solder reclaiming. The Brantford facility is being expanded, increasing the production capacity to help serve Canadian customers locally. □

Financial Security and Savings Program Six Month Earnings

Finalized earnings for the month of June, second quarter and six months ending June 30, 1998 were as follows:

Fund	June	Second	Six Months
	1998	Quarter	Ended
	%	%	6/30/98
Retirement	1.62	2.85	9.19
Money Market	.47	1.41	2.73
Bond	1.01	2.60	4.15
Growth (formerly Equity)	5.34	5.33	20.47
S & P 500 Index(*)	4.35	4.35	4.35
Value (**)	-1.68	-1.68	-1.68
Fixed Income (**)	N/A	.96	2.22

(*) The S & P 500 Index and the Value Fund were added to the FSSP on June 1, 1998.

(**) Fixed Income Fund Assets were transferred into the Money Market Fund as of June 1, 1998. Its second quarter and six months results are calculated through May 31, 1998.

It is important to remember that past fund performance is not indicative of future fund performance.

You may change your rate of deposit, fund allocations for future deposits and transfer existing balances among accounts every 30 days. Changes for future deposits, fund allocations and transfers of existing account balances must be made through the Litton Benefits Phone Line at (888) 554-8866. □

Now Hear This! Litton SIVCS is at Sea

Data Systems and Amecom have installed the first of six scaled integrated voice communication systems (SIVCS) scheduled for delivery to the Navy in the next two years.

The next-generation shipboard system integrates various communication services, such as telephone, video conferencing, wireless, intercom, public address, console interphone and external communications. The initial system was installed on the USS Enterprise (CVN-65).

After extensive sea trials, the system has begun service. Reports from the Enterprise indicate high reliability in integrating air traffic control and tactical communications. □

Initiative Praised During ICARE Presentation



Two teams and one individual were recognized by ICARE in

July. From left (front row) are Andy Anderson, Long Tri and Ed Agner and (back row) presenter Bill Joseph, Greg Winter, Lenny Thomsen, John Rodwig and Tim Schimke.

Eight ICARE awards were given to two teams and one individual during July's ceremony. Presenter Bill Joseph, THAAD Program Office Director, noted that demonstrated initiative was the common theme marking all of the winners

Greg Winter, nominated by Bill Cook and Niko Loukatos, was recognized for voluntarily creating a SPR (Software Problem Report) database that enabled a rapid assessment and compilation of costing estimates for the THAAD Build 2.6 proposal and saved precious bidding budget

The team of **John Rodwig**, **Tim Schimke**, **Lenny Thomsen** and **Long Tri** was nominated by Frank Smalarz for implementing a design change that reduced recurring costs on the TAOM OCU Workstation production program and allowed it to progress into a proposal phase. In addition, they developed a demonstration that convinced the Marine Corps customer this was a

viable approach to use for production.

The team of **Harold Cook**, **Andy Anderson** and **Ed Agner** was nominated by Barrie Bartulski for preparation of a training plan and course materials, in less than a week, resulting in the Marine Corps customer's successful operational testing of the AN/TYQ-82.

Each awardee receives a \$100 gift certificate to one of five department stores, an ICARE cup, desk pen set, pin and certificate. Employees selected to receive a second ICARE award receive a photo cube to add to their desk pen set and employees receiving their third award receive a matching paper clip dispenser. All winners are also invited to attend an ICARE luncheon held semi-annually at the Radisson Hotel in Agoura Hills

Since the program began in February 1994, 494 employees have received ICARE awards. □

Future of Moorpark Facility Addressed During All Hands Meeting

On August 4, 1998, Division President Allen E. Powers held an all hands meeting in Moorpark to address a number of issues related to the future of that facility and the employees located there

Powers began the meeting by setting the record straight on the rumors that have been circulating concerning the sale of Building 5. He confirmed that the building is on the market, and that Corporate real estate has received an offer in writing. However, he stressed that the offer had not yet been accepted. If and when an offer is accepted, Powers believes that a minimum of 4 to 6 months will be required before Data Systems would be prepared to completely vacate the premises.

With regard to the specifics of where the Division's programs will be located, Powers told the audience that legacy manufacturing will move to San Diego, along with spares and O&R administration, some program management and contracts functions, and engineering support in the areas of mechanical, electrical, test equipment and document control. Relocating to the existing Agoura Hills facility, or additional space we may need to lease nearby, will be the Deployable Command Systems Business Development Group, design engineering for hardware, ILS, software, systems engineering and systems test, Agoura shelter operations and program management for systems.

The president acknowledged that this will result in the loss of some jobs. But, as he stated during an all hands meeting held in Moorpark last year, division management believes it is in Data Systems' best business interests to consolidate manufacturing to the San Diego facility and its software and systems operation in Agoura Hills. This course of action has been adopted in response to our recognition of our customers' strongly expressed preference for the IPT (Integrated Product Team)

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TSQ-73

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appreciation of its capabilities and proven track record directly influenced our securing of the THAAD contract. This, in turn, has led to our OAADS (Open Architecture Air Defense Systems) R&D program whose technology flows into several of our most important programs today, including R/SAOC, UK TACC and KNTDS II. □

1998 Annual Family Picnic at Calamigos Ranch

The heat didn't seem to keep anyone from enjoying the fun at this year's picnic on Saturday, July 18. Here are some memories of the day captured by photographer Mike Marcus.



In the Spotlight

Last month's mystery employee, **Jean Lierman**, began her Data Systems career in 1980 as a Data Aide. According to Jean, this was a great introduction to the company. By working in different departments, she was able to learn a great deal about our products and how the company operates, and also become acquainted with many different people. This made it easy for her to decide where she wanted to work when a permanent position became available. She accepted a secretarial position in the TAOC program office and, following the successful completion



of a shorthand class, she was promoted to the position of Executive Secretary.

Jean left Data Systems in 1989 when she was offered a position elsewhere as an Executive Administrative Assistant. Five years later, with her new company encountering serious financial problems, she returned to work as an Executive Secretary for THAAD where she supports Program Office Director Bill Joseph and the THAAD Program Office. Jean says being successful in her position requires organization, excellent computer skills and the ability to interface with people. One of her strongest assets is the creativity she brings to PowerPoint presentations. She has had quite a bit of experience using computer graphic design, and has also begun to work with computer animation and CorelDraw.

Jean's artistic abilities extend far beyond her work with computer graphics. She is a partner in a thriving business called GJ's which makes Christmas trees, crystal angels and other decorations for miniature settings. GJ's products have been featured in craft magazines, upscale Christmas catalogs and the Internet (and *Data Systems Today!*) just recently. Jean was asked to be a guest on the Home and Garden Channel's hobby show which is on every Saturday morning at 10 a m

Look for Jean's television debut when her segment on room boxes (a concept similar to dioramas) airs in October!

Most of Jean's vacations are spent traveling with her partner, Georgia, to Miniature Shows all over the country. She just returned from Dallas and will be attending several shows in San Diego this month.

When Jean is not attending shows or spending time at home working on her miniatures, she makes a point of participating in as many social activities as possible. She has taken numerous crafts and painting courses and is currently attending a class called Movie Madness in which she and her classmates go to see a new movie each week. She goes to musicals and live plays as often as she can, and she likes walking and hiking and reading mysteries and thrillers.

Jean is definitely a people person and believes that interacting with fellow employees is a very important aspect of working. To that end, she has always taken part in division activities, and has served as president of the Art Club and secretary for the Management Club, Ski Club and the Employees Recreation Association. This history of involvement continues as Jean assumes the duties of Employees Recreation Association vice president on August 1.

Jean also enjoys spending time with her three children, Rob, Steve and Pam. She has no grandchildren, but says she does have 9 'granddogs'!

Jean was born in Iowa and moved to Southern California when she was 2. Chatsworth has been her home for the last 12 years. Her condo was severely damaged during the 1994 earthquake and she had to move out for 13 months while it was rebuilt. It was a frightening and unsettling experience, but she looks on the bright side. "After all," she says, "how often do you get a chance to buy all new furniture and redecorate

your whole house?"

Congratulations to **Debbie Castillo**, **Terri Danberg**, **Kathy De Simone**, **Linda Friedman**, **Chris Huffman**, **Dick Kaeller**, **Deborah Moscoso**, **John Murillo**, **Angela Norville** and **Joanne Stone** for correctly identifying Jean as last month's mystery employee.

Thanks to his extensive military experience, next month's mystery employee is well versed in radar operations. He has worked in three organizations since joining Data Systems in the late 1980's. He enjoys playing golf and playing the horses. Do you know who he is?

Please submit all entries to Data Systems Today Spotlight Contest at M/S 15-22 by September 4, 1998. Include your name, employee number, location and extension. A total of ten winners will be chosen at random from all correct entries. Winners will each receive a pair of movie tickets to an Edwards, General, Pacific, AMC, Mann or United Artist theater. All current Data Systems' employees are eligible to participate. □

Moorpark

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approach with a strong program office presence. According to Powers, "If we want to win contracts, we must structure our operation in alignment with customer desires."

Also addressed was the issue of Data Systems' proposal to consolidate the material service function at our San Diego facility rather than continue to work through the Material Service Center (MSC) at Guidance and Control Systems. This recommendation of senior management is based on a study showing that our cost of procurement would be lowered by this move. Corporate's decision on the recommendation is expected within the next several weeks.

Powers concluded his remarks by promising to hold periodic meetings to keep the population apprised of developments in this planned transition. □

DSD San Diego Holds Second Annual Picnic



Calypso music from the Steel Drum Duo filled the air as employees arrived at the Data Systems San Diego *Jamaican Me Crazy* Picnic held on Saturday, July 25, at Mariner's Point in Mission Bay. Employees and their families enjoyed water activities with Hobie Cats and Aqua Cycles. The surprise hit of the day was the palm reader; bingo still reigned as the king of board games. Children enjoyed the slime and silly putty creations of the Mad Scientist, the twirling Spin Art creations and the wild décor of the Airbrush face painters, as well as tumbling in the Moonbounce. Competition was spirited during the lawn games with the tug of war deciding the ultimate winners. All in all, it was a fun day for everyone! ☐



Discover the Fair

It's Los Angeles County Fair time once again! This year's theme, *Discovery*, ties into the state's celebration of the 150th anniversary of the discovery of gold in California and gives the Fair the opportunity to showcase the many discoveries that are synonymous with California.. the gold strike, agriculture, the movie industry, oil, technology, wine and other aspects that have helped to shape the character and cultural heritage of California. There will also be a look toward the future at the Science and Technology Pavilion's Space Expo 2000 and Star Trek Earth Tour attractions. Entertainment will be provided by Bryan White, REO Speedwagon, the Pointer Sisters and Peter Frampton, just to name a few



The 1998 Fair runs from September 10 through 27. Discount tickets are on sale in Employee Services at the cost of \$7.00 for adults (normally \$9.00) and \$4.00 for children ages 6 - 12 (normally \$5.00). And, for the first time in the Fair's history, free admission is being offered for up to three children any Monday through Friday with every paid adult admission.

Also available through Employee Services are 10-tab Carnival Wristbands good for any ten rides on any one day. Cost for the Wristband is \$8.00, a savings of \$7.00 over the price charged at the Fair.

Contact Chris Cavaliere in Employee Services at (818) 707-4323 if you need additional information ☐

Milestones

Congratulations to the following employees who celebrated their anniversaries during the month of August. Employees with 20, 25, 30 and 35 years of service are invited to be pictured here.



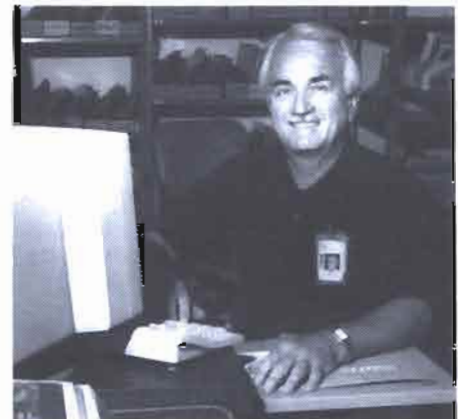
Gilbert Ramos

35 years, Mechanic Staging Specialist, Lead, Operations.



Wendal Spickelmier

30 years, Scientist, Engineering.



John Smallis

30 years, Production Control Specialist, Operations



Donald Youngman

30 years, O&R Spares Project Administrator, Program Management



Gregory Maschue

20 years, Manufacturing Engineer, Senior, Operations.

35 years: Henry Schroeder.

30 years: Ted Hebrank.

25 years: Carla Brewer, Haskel Lee, Lorace Sykes.

20 years: Dan Rimando.

15 years: James Emory, Thomas Gafford, Donald Hoffman.

10 years: Flora Abrena, Ed Agner, Donatila Bartolome, Gary Capehart, Carla Cook, Dennis Fink, Imelda Rivera, Ed Thibault

5 years: Mary Dowling, Charles Hilbers, Robert Kennedy, James Lester, Bill Maben, Jay Manahan, Leisha Myers, David Stone, Nathan Talauega. □

Promotions

Congratulations go to the following employees.

Engineering. Ivan Barak to Member, Senior Technical Staff. Ari Danesh to Engineering Specialist. Deborah Moscoso to Software Control Associate. Jerrell Selner to Member, Senior Technical Staff. Ronald Shimamura to Engineering Specialist. Georgia Traver to Engineering Specialist. John Wasko to Engineering Specialist. Steve Yoon to Engineering Specialist □

ETC Notes

Gift Certificate Drawing

Congratulations to Lil **Bergenholtz** who won a \$100.00 J.C. Penney's gift certificate in the June drawing.

Smart Commuting

Beat the heat. Get out of the habit of rolling down your windows and instead open the vents. When driving on the freeway or at speeds above 40 m.p.h., open windows create wind resistance and drag the vehicle. □

Hotline

Employees may call the Division "Hotline" with any questions or comments or perceived noncompliance with the "Standards of Conduct."

Moorpark/
Agoura Hills818-706-4669
Other Ca 1-800-843-5165
Outside Ca.....1-800-237-0934 □

Bargainmart

Employees and retirees of Data Systems may use this column free of charge. Ads are limited to one per person each edition and may be extended to another upon request

Ads must be fewer than 25 words and will include home phone numbers only (except Rideshare). Ads not meeting these requirements will not be published nor will they be returned. Send ads to Employee Services at M/S 15-22

Three Day Weekend Coming Up

Employees will enjoy a three day weekend in September when Data Systems observes the Labor Day holiday on Monday, September 7, 1998

Whether you are staying home to celebrate with friends and family or traveling out of town, have a safe and happy holiday ☐

Personals

Notes of thanks were received from Dorothy Hoover and family for the flowers, food and all of the support given following Dan's recent passing. ☐

Deadline for the next issue September 4.

FOR SALE

MOTORCYCLE: 88 Kawasaki 500cc Only 30K miles. Red. Runs great. \$1,300 Please call Tom 805-296-4756

OTHER

4.9-7.9c/MIN LONG DISTANCE, 24hrs/7days/week. Also, One Number/Follow-me, 9-way conferencing. See www.i-link.net.Call (818) 345-6918. ☐

On Board

Data Systems welcomes the following new employees

DSD San Diego: Sandra Barley, Hina Stinson-Knowle, Bernadette Suhendra. ☐

Gone Fishin'

Data Systems salutes its retirees on their years of service and wishes them success in the years ahead.

- Felix Aquino
- James Beall
- Jimmie Ford
- Marion Vaughn ☐

Sea World Ticket Prices to Increase

Effective October 1, 1998, discount ticket prices for Sea World will increase from \$24.95 to \$26.95 for adults and from \$18.95 to \$20.95 for children ages 3 - 11.



These prices still represent a significant savings over the normal admission prices of \$35.95 for adults and \$26.95 for children.

Employee Services still has tickets available at the current prices. These are good for admission through September 30, 1998

Contact Chris Cavaliere in Employee Services if you need additional information ☐



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