

DATA SYSTEMS TODAY

March 31, 1998

Dawning of a new age



Vice President of Engineering Dick George (fourth from left) pulls the plug on Intergraph as Data

Systems moves to a new state-of-the-art mechanical CAD capability. Looking on are (l to r) Engineering Technical Manager Art Kitzler, Principal Engineer Andy Smits, Technical Manager Fred Greco, Engineering Specialist Bill Eledge and Engineering Lab Director Bill Ballard.

In the beginning, there was Intergraph and Litton said, "We, too, shall have Intergraph." Intergraph, a mechanical design/drafting tool based on proprietary software, a UNIX operating system and, to some extent, custom hardware, was very costly to maintain. Nevertheless, it was an excellent system when it was acquired 13 years ago.

Today, we embark on a new journey with a state-of-the-art mechanical CAD capability based on the NT operating system and NT workstations. As we look back on the reams and reams of paper, literally a forest, that we created and controlled, it is hard to visualize that paper is on the 'endangered species list.'

Yes, the paperless era has arrived. This new Solid Modeling capability we now have allows us to go from concept to completed part with literally no paper. It allows rotation, layering and other advantages, and is considerably more flexible and much less costly to maintain than Intergraph. With the improved efficiencies and resultant cost savings this system provides, we will be able to maintain our competitiveness in the market place

So, it is time to unplug the old and plug in the new! □

Litton Announces Second Quarter Results

Litton Industries reported results for its second quarter and first six months of fiscal 1998 ending January 31, 1998 with net income of \$40.6 million for the second quarter, which is 12% higher than in fiscal 1997 second quarter. Net income for the first six months rose 11% to \$84.1 million. Diluted earnings per share for the quarter and six months reflected increases of 13% and 11% respectively.

In addressing the financial performance of the Company's Information Systems Group, John Leonis noted that, "Profits from the Information Systems Group were impacted by significant program technology investments made at our Data Systems Division. One of the principal investments centered on converting the software in mobile command and control systems to a next-generation open architecture system.

The development of this product should allow the Company to address many sizable new business opportunities. Other investments were related to displays and computer products for military as well as commercial markets. While these investments have reduced short-term profitability, the Company expects they will provide new market opportunities going forward." □

DSD San Diego Kicks Off ICARE Program



Council members served cake and offered informational

presentations designed to acquaint employees with San Diego's new ICARE program.

On February 23, DSD San Diego launched its ICARE Employee Recognition program. The program kick-off began with complimentary cake served in the cafeteria by recently appointed Council members. Other activities familiarizing San Diego employees with the ICARE program included work-center informational presentations by Council members.

Nomination forms received from February 23 through March 16, 1998 will be evaluated by the Council for potential award at the first San Diego ICARE Awards ceremony, scheduled for April 2, 1998.

San Diego ICARE Council members and the departments they represent are: Donna Blythe, Program Finance; Lori Brown, Pricing; Jim Cowley, Finance/Facilities/MIS; Mary Dowling, Procurement; Lorraine Gallagher, Operations; Jim Gates, Program Management, Navy/Test & Measurement Systems, Kevin Govea, Program Management, Computer & Display Products/Army; Bob Harrison, Engineering; Jo Jefferds, Human Resources; Wayne Shupp, Customer Support; John Wetter, Business Development; and Diane White, Contracts. □

New Tie Line Numbers Installed

Telephone communication from Agoura Hills to the San Diego, Ocean Springs and Huntsville facilities is now much easier thanks to the addition in February of new "Tie-Line" numbers.

The Tie-Line prefixes are as follows: San Diego - 89, Ocean Springs - 87, Huntsville - 85.

To reach someone at any of these three locations from the Agoura Hills

facility, simply dial the designated Tie-Line number and the extension. For example, dialing 89-6877 will reach the San Diego reception number. No access number (9), area code or prefix is required.

Plant Engineering Manager Ron Brunzell expects this Tie-Line system to be operational at the Moorpark facility by March 31, 1998. □

Daylight Savings Time

It will be time to "spring forward" on April 5, 1998 by setting your clocks ahead one hour.

Daylight Savings Time officially

begins at 2 a.m. on this day, and will remain in effect until the last Sunday in October. □

Internal Reference Site to be Added to Litton Intranet

The Litton Information Network (LIN), which unites the 19 Litton libraries throughout the U.S., resolved at its first annual conference to establish an internal reference site on the company's virtual private network.

According to Larry Zamora, manager of corporate library and research services and coordinator of the January event, the site, to be established by July 31, will be designed to provide access to the catalogs of all Litton libraries. A user could locate reference material on a particular topic, then follow up directly, either by computer or by telephone, with a library that had the information.

The LIN also decided at the conference to purchase information services and products collectively, where appropriate.

"Right now our libraries have separate contracts for a number of services with various publishers and vendors," Zamora said. "If we can consolidate these services into a single agreement, we gain leverage, which should enable us to realize significant savings."

The conference keynote address from Frank Marshall, vice president and associate general counsel, underlined the need for inter-library cooperation in the information age. Tom Hutchings, chief technology officer, cited the importance of easy access by scientists and engineers to accurate and precise information.

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Private Party at Magic Mountain

Six Flags Magic Mountain in Valencia is hosting its annual Private Party Night on Friday, May 8, 1998 from 7 p.m. to 1 a.m. Several other companies, in addition to Litton, attend this event which is closed to the general public. Tickets are \$18.50 each and include free parking (normally \$6.00).

Don't miss out on a great evening of fun! Purchase your tickets now from Chris Cavaliere in Employee Services at (818) 707-4323. □

Five ICARE Awards Presented in February



ICARE council member Jesse Galaviz (far left) and presenter

L. Richard Pennacchi (far right) recognized the achievements of February's awardees (l to r) Michael Smith, Ray Klingler, Elsie Becica, Edward Randell, Jr. and Lola Davis.

Two team awards, representing 4 employees, and one individual award were presented during the February ICARE Award Ceremony held in Agoura Hills on February 25, 1998.

Elsie Becica was nominated by Paul Smith for successfully completing the multiple tasks of preparing presentations for the Marketing Plan, an executive presentation for Corporate and a presentation for Litton's Board of Directors within a three day period.

The team of Ray Klingler and Mike Smith was nominated by Darrel Shea for overcoming software and hardware

problems to successfully train our USMC customer on the very complex process for maintenance and distribution of IETM (Interactive Electronic Technical Manual) source files.

The team of Lola Davis and Edward Randell, Jr. was nominated by Norma Wolf for exceeding customer expectations by designing an impressive KNTDS data sheet needed for the Dubai Air Show against a very tight deadline with limited data and last minute revisions.

Since February 1994, a total of 452 awards have been presented. □

Litton Newsbriefs

Litton/U.S. Army Form Partnership
Litton and Team C²IEWS of the Communications-Electronics Command at Fort Monmouth, New Jersey have established a partnership dedicated to higher quality, open communication, avoidance of conflict and rational assessment of progress in all future contractual endeavors. The pact acknowledges that all contracts between the two parties "will include an individually designed and tailored partnering agreement based upon open, effective and continuous communication and dedicated to successful contract performance, the establishment of a true team spirit, the timely resolution/avoidance of problems, and continuous product and process improvement."

Litton Takes Major Stride in Information Services

The Boeing Company has chosen Litton Enterprise Solutions to provide year 2000 (Y2K) computer conversion services for Boeing's Rocketdyne propulsion and power business in Canoga Park, California. A multi-million dollar 15 month contract authorizes LES to conduct code conversion and testing for Rocketdyne's financial and quality control systems. LES recently completed a Y2K impact assessment and conversion study for Rocketdyne under an earlier agreement. Litton formed LES last year to serve as a major supplier of enterprise-wide information systems and services to the commercial market. □

Standards of Conduct: Accurate Books and Records

The situation described here, "Accurate Books and Records," is item six in the Standards of Conduct booklet.

Upon returning from Acme Electronics, Richard submitted a Petty Cash Expense Report (PCER) to his manager, John Martin, for approval.

"Richard, these connectors you purchased are element 30 material, not indirect. Element 30 material must be identified as an end item on the PCER. Additionally, the PCER will need to be approved by Quality Engineering and Receiving Inspection."

"John, are these connectors really considered to be end items? I've been really busy and end items require so many approvals. Couldn't we just identify these parts as indirect items on the PCER. After all, these connectors didn't cost very much and they were purchased from one of our vendors who signs an annual Quality Certification."

Do you feel that Richard should allow the connectors to be identified as indirect material on the PCER?

Regardless of your position within your organization, if you are involved in the preparation or review of Division financial data, you are responsible for maintaining compliance with Division accounting procedures. Anyone who prepares or reviews documents which represent financial transactions for Data Systems, (including, but not limited to, PCER's, timecards, journal vouchers, travel expense reports and purchase requisitions), must be aware that these documents are frequently used as the basis for future business decisions and financial claims. For these reasons, Richard should not allow the connectors to be identified as indirect material on the PCER.

It is important to understand that your signature is more than just a necessary means to expedite paperwork, it is the company's assurance that, to the best of your knowledge and belief, the transaction is authorized by the company and that the information contained on the document is accurate and

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Data-to-Day

Business Development Charters New Business Unit. Introduces "Deployable C2 Systems"

Late last fall, as the handheld terminal production business was transitioned to the San Diego operation, Business Development did some reorganizing of its strategic business units. One of the newly formed units is Deployable C2 Systems (DCS).

With David Johnson in the director's chair, and with their offices in the Moorpark facility, the DCS team has hit the ground running. As you can see in the cartoon (opposite), they're really serious about "playing to win" in today's tough markets. According to Johnson, the DCS charter is primarily to provide *tactical, deployable, command and control system solutions for armed forces*

worldwide.

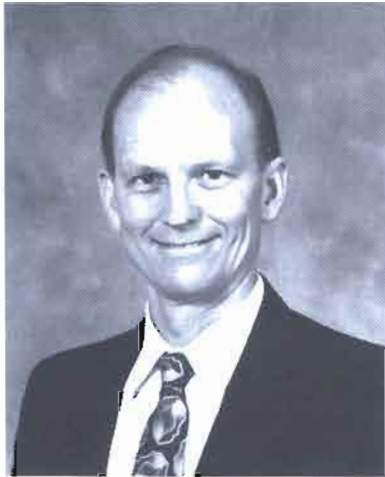
In emphasizing system solutions for dismounted soldiers and other high mobile weapons, DCS is striving to offer integrated hardware and software systems that best meet this customer's needs. "Our military customers are heavily influenced by widely available commercial hardware and software," says Johnson, "and we're responding to this commercial influence in our military market by offering solutions that include commercial product derivatives."

A secondary focus of DCS is to *develop a brand new business in system and software engineering support services.* This work will be done at the new Data Systems' facility in Huntsville, Alabama. According to Johnson, "Department of Defense agencies in Huntsville procure over \$5

billion of goods and services per year. We plan to team with other companies in the area to pursue system and software life cycle support programs for the majority of the US Army's weapons systems."

DCS is targeting six major business areas, each of which requires a unique adaptation of core command and control functionality centered on a "common operational picture" or COP. Residing within this COP will be the capability for digital mapping with horizontal and vertical performance and with positional overlays so the user understands the battlefield situation. Wireless communication supporting digital radio protocols for secure voice, digital data and imagery will be an integral part of maintaining a current and

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David Johnson
Director

Business Area Managers



Lamont Hagans
Reconnaissance,
Surveillance, Target
Acquisition



Walt Hicks
Force Protection and
Maneuver Control



Bill Johnson
Fire Support



Tom Murray
Systems and Software
Engineering Support



Joe Radford
Combat Service Support

Data-to-Day

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accurate COP. Decision aids will be included to enhance the user's decision making in high-stress, fast-tempo situations. This core capability, in compliance with the Joint (Services) Technical Architecture, is the key to DCS's future primary business areas.

In the coming months, we'll be telling you more about DCS' plans in the six business areas, as well as showing you how the Business Development, Program Management and Engineering directorates in Moorpark are interacting to provide a more cohesive approach to customer satisfaction in this market-driven business unit. Watch this space. □

Support



Elsie Becica
Presentation/Graphics Support



Chuck Bronson
Manager, Demonstration Laboratory



David Eskildsen
System Support Engineer



Yolanda Puckett
Executive Secretary



Norma Wolf
Proposal Administration



The Deployable C2 Systems team takes to the field with confidence and enthusiasm.
(Artwork by Tom Fritz from Graphic Communications)

ETC Notes

Gift Certificate Winners

Winner of the \$100.00 J.C. Penney gift certificate for January was **Chet Wyche**. The quarterly drawing winner for a \$250.00 J.C. Penney gift certificate was **Estelle Cervantes-Loy**. □

Standards

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complete. If you have questions regarding the accountability of a financial transaction, ask questions before you sign. You may be called on later to explain the transaction.

Additional information regarding division financial practices can be found in the Accounting Manual and the Division's Disclosure Statement. Company policy regarding procedural controls (i.e., those involving petty cash transactions) are described in detail in the Division Standard Practice manual and the Administrative manual.

Questions about financial accountability can be referred to your supervisor, or to Cost Accounting. □

In the Spotlight

Last month's mystery employee, **David Rindels**, began his Data Systems' career in November 1992. In his position as a Senior Pricing Administrator, Dave is involved in the development of new business as it relates to the generation and negotiation of proposals and contracts. He is responsible for providing the data necessary to determine how we can bid competitively on contracts while still making a profit. About 90% of his efforts are in the international arena where, in addition to his normal responsibilities, he must also ensure that we are aware of and take into



account the numerous costs of doing international business. Dave says a successful pricing administrator must be self-sufficient and able to remain focused on the ultimate goal. "No matter what extenuating circumstances may arise, the due date never changes. If your contract is not submitted on time, you've lost an opportunity."

A native Californian, Dave graduated from L.A. Baptist High School at the age of 16 and received two very tempting offers; he was drafted by the San Diego Padres and he was offered a scholarship from John Lesley College in Oxford, England. Dave says it wasn't difficult for him to decide that his best avenue lay in furthering his education, and he went to England to study economics and math.

Upon his return to California, Dave married his high school sweetheart, Teri, and began to race motorcycles professionally. After a horrendous accident, in which he broke his leg in 24 places and spent several months in the hospital, Dave decided to pursue a less dangerous occupation. Following up on a lead from his father-in-law (who also thought this was a good idea!), Dave was hired as an estimator at Lockheed, where he spent the next 15 years working on their top secret programs, including the F-117, until Lockheed

moved to Palmdale.

Dave devoted the next couple of years to indulging his entrepreneurial side. He successfully marketed a product called Kid Card, which provides daycare centers with the means to ensure that children are picked up only by an authorized person whose 'credit' card matches the child's 'credit' card. This business was eventually purchased by Kindercare. Another venture, subsequently purchased as well, was a successful computer business, which contracted with supermarket chains, auto parts stores and car dealerships to perform the maintenance on their price scanners.

To refer to Dave's time off as *leisure* time would be a misnomer. Weekends are spent watching his children compete in sports. And there are many, with daughters Jessica, 14, Whitney, 11, and son, Garrett, 8, involved in volleyball, soccer, basketball and baseball. The family also owns their own boat and enjoys water-skiing. When they do get a chance to relax, one of their favorite activities is going out to dinner and a movie. As Dave said, "At least when you're at the movies, you have to sit still!"

Dave says he is a strict father who believes in setting high standards. It's easy to see that he is proud of his family, and he works hard at staying involved and supporting their efforts, not only in their sporting activities, but in school as well. Dave has coached their soccer and baseball teams, and volunteers at their school by assisting in the computer lab during lunch hour every Wednesday.

Traveling is also high on Dave's list. Every other year, he and Teri go away without the children to such wonderful places as Paris, London and Rome. In the off years, the whole family takes a trip together. Dave says one of their best vacations was one they took last year

to Washington, D.C. where they went on a tour of all the Christmas trees on display at the White House. He recommends it as something really special to see.

Congratulations to **Bev Woodward**, **Norlyn Stromeyer**, **Jim Scilimenti** and **Chuck Lyons** for correctly identifying Dave as our mystery employee.

This month's mystery employee has been with Data Systems since the early 1980's after having worked for several years in the health care field. She was promoted to her current position in August 1996. Her hobbies include cooking and clog dancing. Do you know who she is?

Please submit all entries to Data Systems Today Spotlight Contest at M/S 15-22 by April 6, 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 or United Artist theater. All current Data Systems' employees are eligible to participate. □

Seize the Day! Come Out and Play!

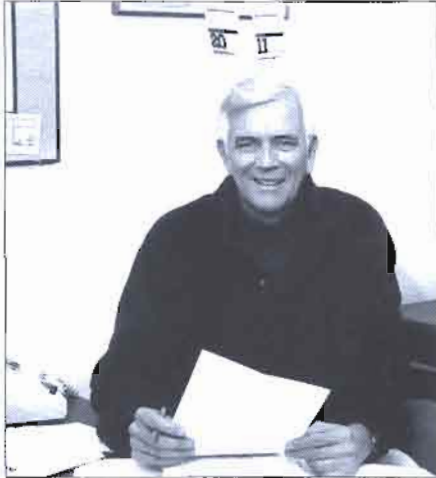
The Renaissance Pleasure Faire invites you to their 36th annual recreation of a 16th century English May Market. This year's event is taking place each weekend from April 25 through June 21, 1998. The Faire will be held once again at the Glen Helen Regional Park, San Bernardino, at the northern junction of I-215 & I-15.

Among the attractions to be enjoyed are unique handmade gifts, thousands of costumed entertainers, adventurous games of skill and daring, jousting and sumptuous food and drinks.

Employees Services has discount tickets available at a cost of \$13.00 for adults and \$6.00 for children 5-11. Please contact Chris Cavaliere on extension 4323 in Agoura for additional information. □

Milestones

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



Richard Lawrence

25 years, Manager, Contracts, Contracts and Pricing.

35 years: Albert Kushida.

25 years: Michael Grotefend.

15 years: Bobbi DeVault, Julieta Hayashi, Steve Purcell, Robert Stermon.

10 years: Kenneth Berry, Deborah Fowler, George Pyfrom, Scott Wright.

5 years: Christopher Adams, Robert Beil, Aaron Cooperman, James Harris, Gary Mancuso, Scott Olthoff, Ted Palmer, Mark Scott, Eleanor Smith. □

Promotions

Engineering: Jean Jernow to Director, Engineering Laboratory. Stuart Mills to Member, Senior Technical Staff. Ying Fu to Senior Engineering Specialist. Wilson Ramos to Senior Engineering Specialist. Valerie Arvizu to Data Management Specialist Senior. Linda Friedman to Director, Engineering Laboratory. □

Gone Fishin'

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

Charles Arndt

Richard Logan □



Albert Tipay

25 years, Publications Production Editor, Engineering.

On Board

Data Systems welcomes the following new employees.

Engineering: Jennifer French, Joseph Meagher, Charlene Stone.

San Diego: Robert Hudson, John Lewis. □

Personals

Notes of gratitude were received from: Rick and Paul Bolduc for the beautiful flowers sent upon the death of their mother.

Darrell Kee and family for the donation given in honor of Darrell's father, Lorne. □

Hotline

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

Moorpark/
Agoura Hills.....818-706-4669
Other Ca.....1-800-843-5165
Outside Ca.....1-800-237-0934 □

United Way Campaign Set for April

United Way of Greater Los Angeles is the largest private funder of health and human services in Los Angeles County. In 1997, United Way distributed \$48 million dollars to a network of 252 Community Care charities and major health partners, including the American Cancer Society and American Heart Association; youth programs such as the Boy Scouts, Girl Scouts and Boys and Girls Clubs; basic and emergency needs providers like the American Red Cross and Haven Hills shelter for battered women; and children and family services such as those provided at the San Fernando Valley Child Guidance Clinic.

Data Systems' 1997 employee contributions to United Way, which totaled \$60,925 and averaged \$126 per donor, support United Way's Impact Goals for the 1997-98 year:

- Improve health care with delivery of 600,000 health care visits to low-income residents of Los Angeles County, one in every three of whom lacks primary health care insurance;
- Support youth with after-school enrichment, mentoring and developmental programs for 400,000 youths between the ages of 10 - 17.
- Meet basic and emergency needs with service of 1,000,000 nutritious, low-cost meals for the hungry;
- Support children and families with affordable, quality child-care placements for 60,000 children.

Data Systems' employees who live in Ventura County may designate their contributions to United Way of Ventura County. United Way of Ventura County supports a network of charities that provide basic needs, crisis intervention, specialized and senior services, youth programs and health services.

Data Systems' 1998 United Way Campaign will be conducted from April 13 through April 24. Please give generously and help make United Way 'the Best Way to Help the Most People.' □

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.

Deadline for the next issue: April 6.

FOR SALE

STATIONARY BIKE. \$50. 991-9414 eves.
'86 FORD TEMPO - \$1,500. '88 Chevy Spectrum - \$1,700. '90 Grand Plymouth Voyager LE - \$5,000. Call (760) 598-6443 for additional info.

RV. 1981 Cross Country 26' Class A. Low miles, auto - 454 V8, 6.5 kw gen, complete bath and kitchen, awning, sleeps 5, ideal for young family. \$8,200. (805) 298-4254.

FOR RENT

HOUSE. 3 + 2 + FP. Peach Hill Area, Moorpark. \$1150 + Sec. Clean, den/w fireplace, fenced backyard, 2 car garage, comm pool, green belts, near schools and park. Avail. April 1. (818) 360-6718.

OTHER

ACOUSTIC CEILINGS Furnished/unfurnished. New/Respray. Interior wall repairs. Texture to match. Jim Daniels for free estimate. (805) 647-9849. License #436134.

ARE YOUR HIGH SCHOOL/COLLEGE STUDENTS receiving proper guidance about future career trends, financial aid, employment after graduation? "Expert" personal counseling; (818) 246-2710. Academic & career guidance services!

SAVE \$ NOW WITH LOWER ELECTRICITY RATES. Savings also available on long distance telephone, internet access and web page hosting. Don't delay! Call 818-345-6918. □

Credit Union News

Make Credit Union Deposits at Nearly 1,200 More ATMs

Now Premier America Federal Credit Union members can make deposits to their accounts at nearly 1,200 ATMs that are part of the CO-OP network. Transactions at these ATMs will be free of Premier America charges and most CO-OP ATMs will not levy a surcharge (check individual machines for details).

For the CO-OP ATM location nearest you, call an Information Specialist at 1-800-772-4000 or 818-772-4000, or call 1-888-SITECOOP. □

Internal Reference Site

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The LIN will use the intranet as a platform to share resources and to offer new services, such as competitive intelligence and information audits. Administered by Sergio Cortez of the Standards and Resources Group, the intranet currently provides such services as a company-wide personnel directory, surplus equipment lists and details on the expertise of Litton scientists, engineers and technicians. □

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