

# Librazette

January 1999

## **A Message from our General Manager**

### **Key 1999 Future Business Milestones**

This year will be important to our future. Two key competitive contracts, JWARN and MICAD Production, will be awarded during the coming months. We are aggressively pursuing both of these contracts. JWARN is currently scheduled to be submitted 8 February, with oral presentation 15 days later. Contract award is expected to be in the April/May timeframe. The MICAD production RFP was received 18 January with a submittal date of 14 March. We are projecting contract award in the May timeframe.

We still have 4 international bids in place from last year. Rick Read is pursuing these, but we currently have no definitive dates as to when contract awards will be made.

The new IRAD program has started (\$250K). In addition, we are pursuing an additional \$425K of IRAD funding for our Battlespace Lab effort to augment our current \$100K allocation.

Cliff Megerle is in the process of submitting four advanced concept proposals. These will be submitted by 1 March. Awards of this nature are always small initially but lead to development contracts in the future. I'll keep you posted on how this effort develops over the coming months.

Our current contracts continue to generate new business. MICAD Basic will be restarted with a

Software Development ECP by the end of January. The third, and final, MICAD FOX production buy of 12 systems should also be in place by the end of January.

Our performance on JBPDS and our continued excellent performance on BAWS is our foundation for winning new business. So keep your focus on meeting schedule milestones within budget while, in parallel, we pursue these new business opportunities.

As always, my door is open, or stop me in the hallway if you have questions.....or better yet if you just want to talk to me.

*Craig*

## **PROMOTIONS**

**Sue Petrique**—From Secretary Specialist to Administrative Analyst

## **JANUARY - MARCH COMPANY ANNIVERSARIES**

January 6 --- **Larry Knowles** – 30 Years

February 10 – **Dick Kennerknecht** – 40 Years

March 5 – **Melesio Velasquez** – 15 Years

## **GENERAL INFORMATION**

### **1999 Holidays**

Monday	May 31	Memorial Day
Monday	July 5	Independence Day
Monday	Sept. 6	Labor Day
Thursday	Nov. 25	Thanksgiving
Friday	Nov. 26	Day after Thanksgiving
Friday	Dec. 24	Christmas Eve

+ Five Optional Holidays



**Congratulations!....Steve Taylor** of the Facilities Department recently received his license as a "Class-B General Contractor" from the City of Glendale. Steve is now formally licensed to perform construction, installation and repairs of electrical, plumbing, heating and air-conditioning systems and other general contracting activities. To prepare for the required examination, Steve took advantage of Lockheed Martin's Continuing Education Program which provided the textbook and classroom instruction to prepare him for the licensing examination. Steve's capabilities are well known here at Librascope and we are proud of his accomplishment. **Congratulations Steve!** For information about the Continuing Education Plan or other educational assistance available, checkout the LMFS-Manassas Homepage under "Education".

**Web Page....**Work is underway to develop a web page for Librascope to be available on the internet. The intent is to provide an easy-to-use web page with basic information about our products and us. The site will also include basic information on how to locate us and current information on potential employment opportunities. We hope this will improve our ability to project Librascope into the customer community. Plans are to have the page "on-line" by early February.

**ISO-9000....**As a team, we have made significant progress on the findings from the September 1998 Pre-Assessment and we are scheduled for a re-visit from the NQA team in early March to assess corrective actions. During the re-visit audit we anticipate being in a posture to avoid any major findings and very few minor findings which will then posture us for a full-assessment in May resulting in our ISO 9001 registration. ISO registration is a very important part of our ability to successfully bid new business opportunities since it is rapidly becoming a basic requirement in proposals to qualify as a competitor for government contracts. Please do all you can to ensure we meet the necessary requirements to obtain this important business objective.

**Librascope has endorsed DOORS** as the new tool for requirements management. DOORS (Dynamic Object Oriented Requirements System) is a powerful tool for creating, structuring and managing complex sets of requirements. The tool which is comprised of a fast server and software packages, enables engineers to manage development projects by maintaining traceability to the requirements, assess the impact of a requirement change on the system design, identify requirements that have not been addressed by the system design and view the requirements that are allocated to a specific element of the design. Engineers from systems and software departments have successfully completed two days of intensive on-site training. The engineering department intends to use DOORS on every new development program. The first program to pioneer the use of the tool is the detector Generic Interface Box (GIB), with JWARN and other new programs to follow.

**Two Engineers Receive Training in Design Reliability....**In 1998 **Larry Knowles** and **Frank van Lingen**, who work in Specialty Engineering under Ron Brualdi, successfully completed a three-day Hardware Design Reliability course in Anaheim, CA.

The course was conducted by the Reliability Analysis Center (RAC), a renowned information analysis center operated by Illinois Institute of Technology (IIT) Research Institute, Rome, NY, under sponsorship of the US Department of Defense. Individuals who complete the course and pass the final exam are rewarded with a valuable reliability documentation Toolkit, a Certificate of Achievement from RAC, continuing education credits, and a well-rounded comprehension of reliability discipline.

The course covered an intensive introduction to Reliability Methodologies: Parts Management, Failure Mode Effects and Criticality Analysis (FMECA), Parts Derating, Reliability Demonstration, Reliability Growth Management, Fault Tree and Failure Mode Analyses,



Environmental Influences, Reliability Testing Techniques, and overall Reliability Program Management.

**New Mechanical Engineering Design Tool....**The Mechanical Engineering organization has acquired SolidWorks 98, a 3-D product design software application. SolidWorks 98 will streamline the process of capturing, modifying and communicating designs, permitting the Team to evaluate more design alternatives, reduce errors, and enhance product quality. The features and benefits of the software tool include:

- Change dimensions, relationships, and geometry at any time: design data is 100% editable, and relationships between parts, assemblies, and drawings always stay up-to-date.
- Work faster with pull-down menus, point-and-click, cut-and-paste, and drag and drop.
- Access and reuse standard parts and feature libraries easily.
- Through the use of free viewers, peer reviews, PDRs, CDRs and drawing authentication reviews can be conducted with management, other departments across the organization, subcontractors and customers more readily.
- Generate drawings automatically from 3-D models, including views, dimensions, and rotations.
- Construct fully associative drawings-- the model, drawing view, and assembly update automatically, so that when a modification is made to the drawing, it also appears in the model. Conversely, when changes are made in the model, they appear in the drawings.
- Create new views automatically, cut and paste views between sheets, control specifications with a full set of dimensioning tools and symbols, and generate Bill of Materials automatically.
- Object Linking and Embedding (OLE) enables the linking of drawing data to other applications.

- Pro/E files are easily translated into and out of SolidWorks 98.

These powerful solid modeling capabilities will enhance Mechanical Engineering productivity and enable faster delivery of quality designs and documentation requiring minimal revisions. The ability to automatically generate isometric and conceptual views will be extremely effective tools for proposals, op sheets, technical manuals and presentations. The 1999 IRAD Generic Detector Interface Box project will be the first design created in the SolidWorks 98 environment.

## NEW BUSINESS

**MICAD Production.** – The RFP for MICAD Production was finally received on 18 January. We have until 14 March to prepare and submit our proposal. With all of the background and experience Librascope has with MICAD, this presents an excellent opportunity to really "show what we can do". The proposal team is being assembled and will be hard at work over the next few weeks. If you are called upon to assist, we need your best effort to bring this contract home.

**JWARN** – Final submission of our proposal continues to be delayed by the government. We now expect to turn in our proposal in early February. **Craig Gifford, Rick Read, and Mel Metcalf** will make our oral presentation to the government later that month. We anticipate award by the end of May. Many people have done a lot of hard work preparing what we feel is a strong competitive proposal on this very important program.

**International Business** – This year will be one in which we make a strong push for entry into international markets. The initial efforts have concentrated on making the skills and capabilities of Librascope known to potential customers. Now we will be concentrating on both existing products such as MICAD and BAWs, as well as new efforts such as systems integration for NBC reconnaissance suites. In further support of these efforts, Librascope will

be marketing extensively at IDEX'99 in Abu Dhabi, United Arab Emirates and IDEF'99 in Ankara, Turkey.

## TRADE SHOWS & CONFERENCES

The new year is off to a quick start for Librascope marketing efforts with our participation in AFCEA West in San Diego, 18-20 January. **Dick Kennerknecht, Cliff Megerle, and Chris Chandler** represented Librascope as part of the corporate Lockheed Martin display. In addition, Ivan Chan took advantage of a professional development opportunity and attended an AFCES-sponsored seminar on C4I, a subject with direct application to our future work here. Our overall plans for the year include 2 international shows and 10 domestic shows covering not only national defense, but counter-terrorism and hazardous materials as well.

Any ideas or comments on the *Librazette?*, call Marti Anderson, ext. 1153.