

Librascope Corporation, Glendale, California

AN/BSY-2 Major Milestone

First Delivery of BSY-2 LP CSDC Hardware

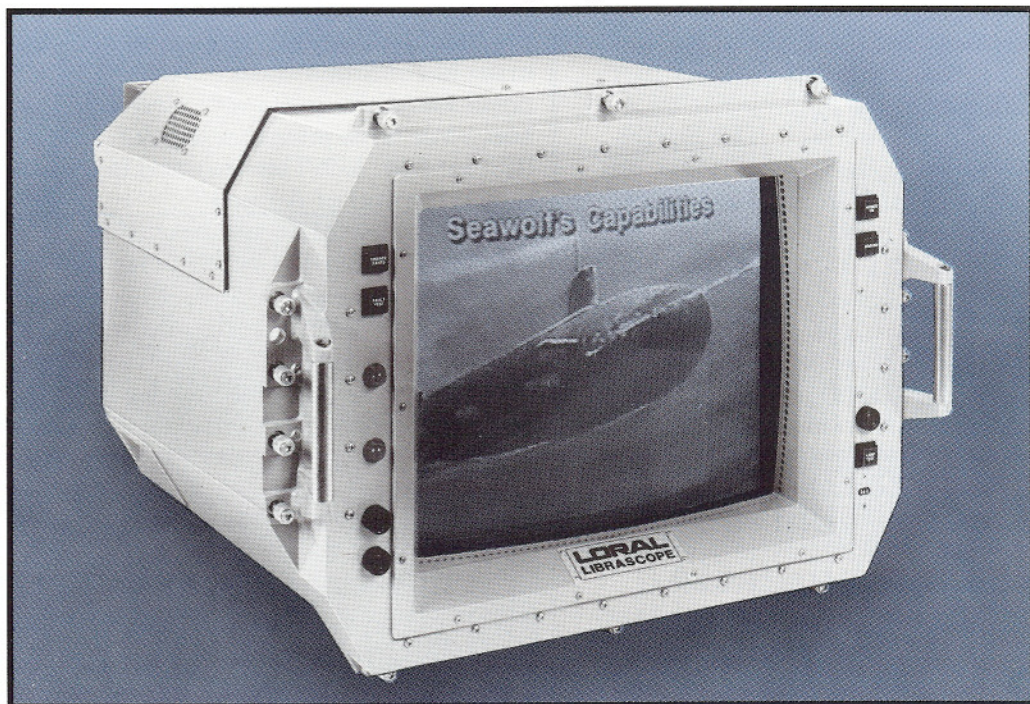
Loral Librascope recorded a major milestone on the BSY-2 program this month. The first two Limited Production (LP) Combat System Display Consoles (CSDC) successfully passed factory acceptance testing and were accepted by General Electric (GE) for integration into the AN/BQG-5 combat control system.

GE will begin installation of the system this December on the Memphis, a Los Angeles Class 688 nuclear submarine that is used for

testing of advanced submarine technologies.

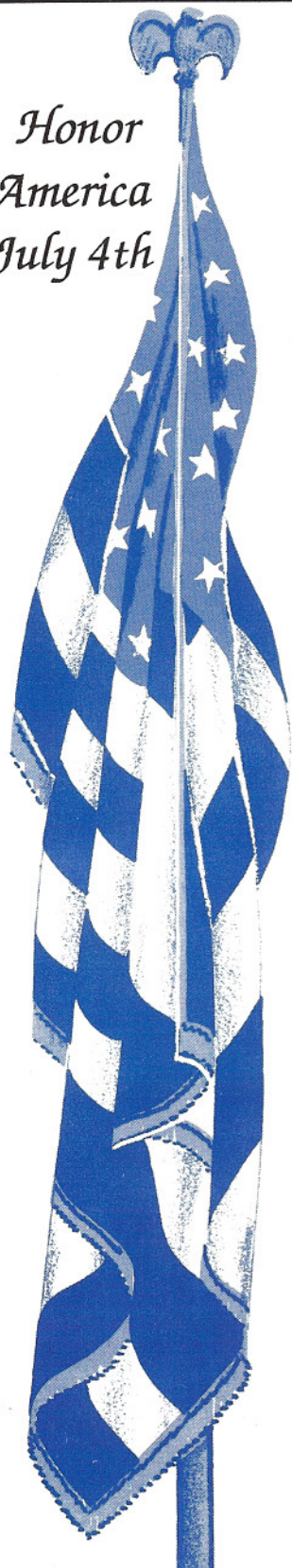
These units are identical to those units planned for the AN/BSY-2 installation on the new Seawolf submarines, SSN-21 and SSN-22, except for the software suite which is a subset of the final AN/BSY-2 requirement that we expect to deliver in October of this year. Starting with this delivery, our plan calls for CSDC deliveries at the rate of three per month through April 1993. ♦

AN/BSY-2 Color Display Monitor (CDM)



Librascope recently provided, on loan, a modified BSY-2 monitor to the Naval Undersea Warfare Center (NUWC), New London, CT, for incorporation into the General Dynamic Corporation's full scale mock-up of the next generation Centurion Submarine combat control center. The Librascope unit will be prominently displayed as an integral part of the operator workstation console assembly. Librascope will also be providing video inputs that will demonstrate some of the Company's advanced ASW display capabilities. ♦

*Honor
America
July 4th*



“What is the Company Doing About New Business?”

This is the first in a series of continuing articles from Librascope's Executive and Business Development Offices to keep employees informed about the Company's future with respect to new business opportunities, programs, and developments.

Like most companies in the Defense business, the words heard often around Librascope today are, **“What we need is more new business!”** Librascope is experiencing the result of the “peace dividend” which is causing our principal customers—both domestic and foreign—to reexamine military missions and procurement requirements. This, coupled with budget reductions, is causing program cancellations and delays in issuing requests for proposals (RFPs) and contracts. The question is—**“What is Librascope doing about it?”**

Librascope is most closely identified with the antisubmarine warfare (ASW) market. **The Soviet submarine fleet is no longer our nation's most significant threat and ASW is no longer the U. S. Navy's top priority.** Some good programs remain, and new programs will come, and they will be pursued. However, ASW is not now our priority market. This, and other market priority shifts, started last year and occurred at a rate which defied prediction. We are now paying the price for the cancellations and delays of 1991.

Our response has been along several lines occurring simultaneously. **We have sharpened our ability to rapidly examine shifts in military priorities. We have spotlighted our key technologies, excellent engineering skills, manufacturing capabilities, and our ability to compete.** When military priorities started shifting

in 1991, we focused on new priorities. We are concentrating on new near-term business opportunities, and have increased our Bid and Proposal (B&P) funds to do so.

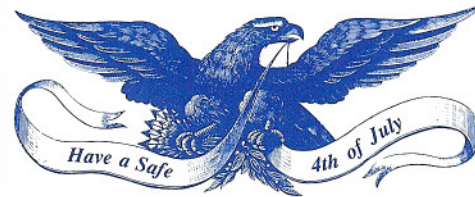
Results, at least at the bid level, are beginning to be seen. We saw a match between our capabilities and two new, to be competed, Army programs—Multiple Launch Rocket System (MLRS) Improved Fire Control System (IFCS) and the Multi-purpose Integrated Chemical Agent Alarm Detector (MICAD). The near-term potential from these programs is in excess of \$100 million. The proposal for MLRS was submitted in May. We have just received the RFP for MICAD. The proposal is due at the end of August.

On the Navy side, the newly announced priorities are Surveillance, Strike Warfare and Ship Defense. We have reoriented a large part of our Independent Research and Development (IR&D) in this direction, teamed with another Loral organization, and proposals are in process. Also, as you may be aware, the Navy recently started planning for a new attack class submarine and Librascope will participate in the early research and development phase.

For the international market, two new initiatives have been started and proposals are underway. We have teamed with a German sonar company to propose a new integrated combat

system for diesel-electric submarines. One proposal has been submitted to an allied country planning to buy new submarines, and a proposal for another allied country is in preparation. The second new initiative is a Librascope proprietary surveillance device for submarines and proposals for this initiative are in process.

But, what about the commercial or non-defense related markets? This was best answered recently by Bernard Schwartz, Chairman of the Loral Corporation. He said, **“Loral is a defense company and proud of it.”** As our national defense priorities are realigned, Loral will remain committed to serving a solid, but obviously changed, defense market. **Loral expects future growth in defense and is supportive of Librascope's new business activities.** This is not to say that Loral, and Librascope, will not look for opportunities to devote skills and technologies developed for the defense market to non-defense applications. As we transition this period of changing defense priorities, the old adage is still true—**“When the going gets tough, the tough get going!”** ♦



AN/BSY-2 HIGHLIGHTS

○ **Weapon Status Monitors (WSMs) Complete Factory Acceptance Testing**

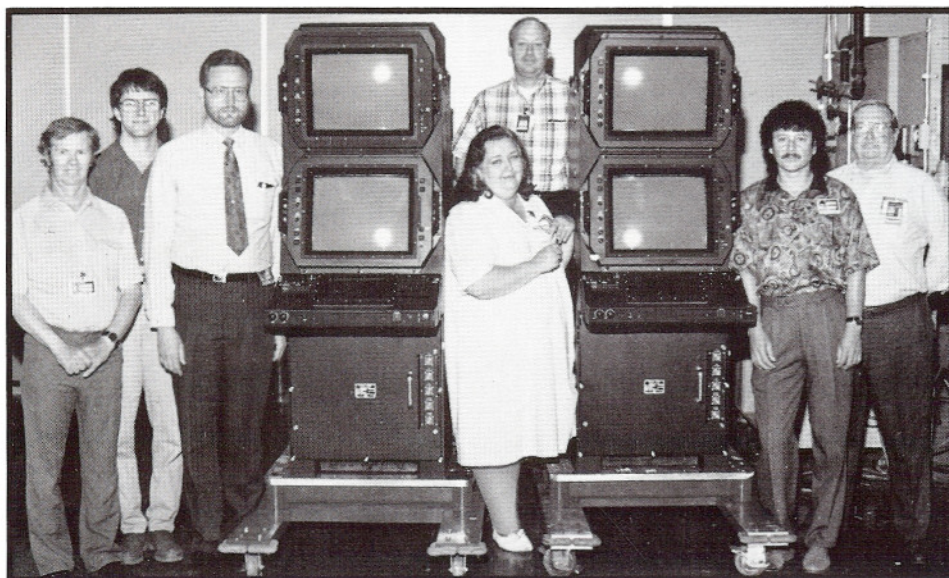
On June 19, eight Weapon Status Monitors (WSMs) completed factory acceptance testing in preparation for Functional Configuration Audit (FCA) and Physical Configuration Audit (PCA) which were completed week ending June 20. The significance of these milestones is that they make the WSMs the first AN/BSY-2 hardware certified for acceptance for system integration. The last remaining step for certification for use of the WSMs aboard the SSN-21 Seawolf submarine is Environmental Qualification Testing (EQT) which will be conducted this summer.

○ **Virtual Display Interface (VDI) Undergoing Intensive Testing**

An upgraded Virtual Display Interface (VDI), the software that will go to sea with the two CSDCs aboard the Memphis, was delivered to General Electric earlier this month and is currently undergoing intensive testing both at GE and at Librascope.

This version of the VDI has the complete functionality to support the BQG-5 system requirements including Performance Monitoring and Fault Localization (PM/FL). One more upgrade, with some performance enhancements to increase throughput speed, is scheduled for August.

The final version of VDI for the AN/BSY-2 system is currently scheduled for October of this year. Achieving the October date would be a significant accomplishment for Librascope. Not only will this software represent a huge step forward in terms of U.S. Navy display technology, but Build 4, as this delivery has been designated, would be only one month late of our original contract date of September, 1992! ♦



Personnel responsible for the final acceptance testing of the first two BSY-2 Limited Production (LP) Combat System Display Consoles (CSDC) include—from left, Charles Morgan, E&M Instrument Technician; Gary Mellor, Sr. Engineer; Shep Girion, Program Manager; Barbara Zuchegna, Instrument Inspector; Bill Hessler, Quality Engineer (GE); Armando Rivas, Final Assembler; Lauren Hicks, On-Site Representative (GE). Story on Page 1.

SECURITY BRIEFS

Security Department Moves to B-17

In conjunction with the facilities consolidation, the Security Department will be moved into Building 17 by the first week in July. The department will occupy offices in the former Production Office area and in the nurse's office.

Production Office personnel have been relocated to offices next to the Purchasing Dept. in Building 17.

An emergency treatment room will be maintained by the Security Department in the nurse's office. Security Department personnel, have received Red Cross first aid training.

The Security Department is responsible for issuing Workman's Compensation forms only. All other insurance forms are available in the Compensation and Benefits Office in Bldg. 8. ♦

STOP Sign Safety Warning!

Vehicles exiting the plant via the Sonora gate are failing to STOP at the stop sign located before the pedestrian sidewalk. This negligence forces the pedestrian to leave the sidewalk and cross behind the vehicle, resulting in the possibility of being struck by oncoming traffic or other vehicles exiting the plant. Obey all STOP signs inside the plant for your safety and the safety of others. ♦

EMERGENCY

All Buildings
Day or Night



DIAL 1111

1992 Libravets Celebrate 580 Years of Service



40 Years—
Helen Perez
with Ralph
Simon, V.P.,
Operations



30 Years—from left, Earl Valdez, Helen Esposito, Clay Newell, Carol Goldthwaite.

June Service Anniversaries . . .

20 Years: Douglas Hunter

15 Years: Ron Hoover

10 Years: Steve Hankins, Linda Spencer, Tim Parks,
Darryl Day, Joe Illuminate

5 Years: Laura Edwards



35 Years—from left, Joe Schlegel, Marjorie Kelleher, Robert Chambers, Ken Burton.

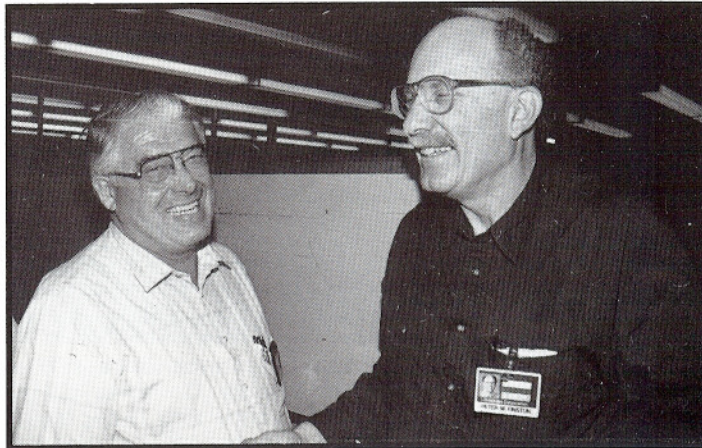


25 Years—from left, Ron Davidson, Al Peppi, Melba Puryear, Patricia Luff, Ron Norton, Al Wilson, Richard Bell, Ron Brualdi, Robert Alvarado. (Not Pictured: George Anderson)

Retirements



Jack Kelley, 36 yrs., Sr. Engineer, Speciality Engineering with wife, **Chickie Kelley**, who retired from Librascope in March.



Peter Finston, right, Sr. Systems Analyst, Management Information Systems, with **Chuck White**, Manager, M.I.S.