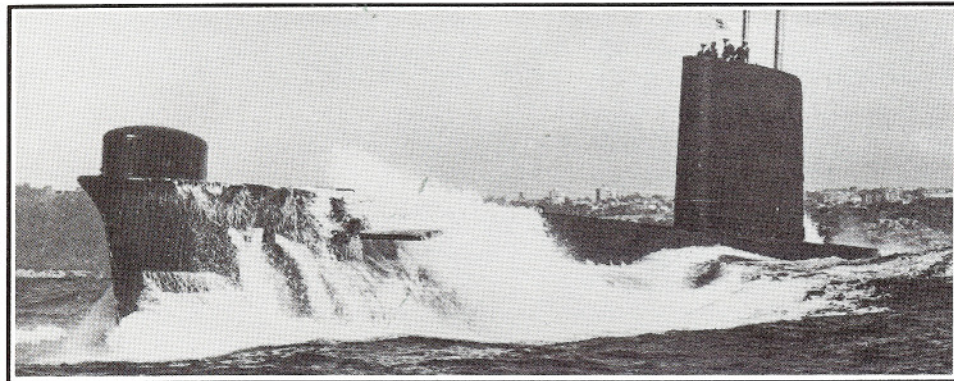


Librascope Corporation, Glendale, California

## Canadian Navy Mk 1 SFCS Successfully Completes Sea Trials



HMCS OKANAGAN

Weapon Systems Accuracy Trials (WSAT) for the upgraded Mk 1 Fire Control System for the Canadian Navy were successfully completed last month in St. Croix, U.S. Virgin Islands.

Librascope personnel Dr. Harold Klein and Kevin Buie were on board the HMCS OKANAGAN assisting during the sea trials.

"The Canadian Department of National Defence stated that the performance of the Librascope-built equipment and the quality of the Librascope support team was outstanding during the entire acceptance testing," said Larry Finkelman, Program Manager.

The following article, which appeared in the Canadian Navy newspaper, the Trident, best describes the feelings of all those involved with the program during the final testing of the Mk 1 FCS for Canada. The article was written by Lt (N) Dave Alder, who was the resident representative at Librascope during the program.

### HMCS OKANAGAN FIRES CANADA'S FIRST MK48 by Lt (N) Dave Alder

"Standby for MK48 attack," shouts the CO, LCDR Bill Irvine.

"Set Safe/Fire switch to Fire," commands the Attack Coordinator/XO, Lt (N) Dean Marsaw as he verifies the

target solution on the computer.

*A last look on the periscope to check for any wayward fishing craft or cruise ships and the Captain orders, "FIRE!" WHOOSH!*

*"Torpedo heard to run," reports the excited Sonarman.*

*The tension was high and the adrenalin flowed as OKANAGAN successfully fired Canada's first MK48 torpedo in October on the Weapon range in St. Croix.*

*After almost four years of work by DMCS/DNR, MARCOM, Fleet School, the Submarine Squadron, NEU (A), the Fire Control Shop, SRU, Librascope and a host of others, our aging submarines received a modified Fire Control System and Mk48 Torpedo capability.*

*OKANAGAN's crew pushed hard through Harbour acceptance trials, discharge trials, Command team training and finally the sea trials to test the technical readiness of the boat. The demands on our submarines and their already cramped space have increased as the updated systems have been added. As a result, fewer men are available to do more tasks.*

*In spite of the logistical nightmare caused by Hurricane Hugo on the Island of St. Croix, the boat managed to carry out her mission. The U.S. Atlantic Fleet Weapon test group had nothing but praise for our Sumariners.*

## Holiday Charity Drive Helps Earthquake Victims . . .

Librascope employees contributed a grand total of \$2,901 to the 1989 Holiday Charity Drive. The money was divided between the American Red Cross and the Salvation Army for the earthquake victims in San Francisco and Northern California.

Employees designated \$1,012 to the American Red Cross, and \$893 to the Salvation Army. The total of undesignated donations amounted to \$996, which was divided equally between the two agencies.

The charity drive, which is normally held in December, was held in October in order to respond quickly to disaster relief efforts resulting from the earthquake in Northern California.

Last year's charity drive donations totalled \$898, which was given to the Glendale Self Aid Workshop.

The annual charity drive was started over 35 years ago at Librascope when employees decided to eliminate the exchange of holiday cards and donate the money to a worthy cause.

Holiday charity drive wreaths will be hung throughout the plant beginning December 11. Holiday greeting cards will be distributed to employees to attach to the wreaths.

Employees' Holiday Buffet

December 22

Calif. Rm., Bldgs. 2, 3 & 8



## Tactical C3I Equipment Shown at AFCEA

Librascope's Tactical C3I equipment was recently exhibited at the Armed Forces Communications Electronics Association Symposium (AFCEA) held in Los Angeles. Equipment demonstrations included the Tactical Computer Terminal (TCT), Programmable Communications Interface Units (PCIU's) and the recently developed Advanced 24-inch Plasma Display Unit. The plasma display unit is designed to meet the military environmental, reliability, quality and producibility requirements specified in military specifications MIL-E-16400, MIL-STD-454 and MIL-E-5400.

Extensive use of very large scale integrated circuits (VLSI), and open architecture have been incorporated into the design to provide the ultimate combination of performance and flexibility attainable in a display.

The Advanced 24-inch terminal plasma display is offered as: (1) a smart stand-alone display, (2) an intelligent terminal, and (3) an analog VGA compatible monitor. In each of its versatile configurations, the unit is entirely self-contained, thereby eliminating the cable and component clutter common to the previous generation of plasma displays.

For the AFCEA exhibit, the 24-inch plasma display was interfaced with a 2-channel PCIU, a keyboard and printer, and a personal computer to demonstrate the ability to operate the Army's Maneuver Control System (MCS) software in the capacity of an NDI Tactical Display Terminal.



*Librascope attendees at the exhibit included, from left, Chris Pearson, Neil Gilbride and Ray Nelson. Not pictured: Dick Kennerknecht and Richard Pierce.*

## Childrens' Christmas Party Saturday, December 9



*The annual Librascope Childrens' Christmas Party will be held this Saturday, December 9, in the employees' cafeteria, from 10:30 am to 3:30 pm.*

*Invitations were mailed to all employees in November. The party includes a visit and photo with Santa, a gift for every child, entertainment, hot dogs, cookies, punch and milk, and a visit to the "Gingerbread House."*

*Party times are assigned to everyone attending in order to avoid a long line to see Santa. For more information, call the Employee Service Office, x-1210.*

## Earthquake Preparedness Video Available

Living near a faultline means living with earthquakes. The earth's landscapes are shaped by forces that inevitably produce major disasters.

According to Henry Johnson, Los Angeles City firefighter and earthquake preparedness expert, a little knowledge and preparation can dramatically increase your ability to protect both your property and your life.

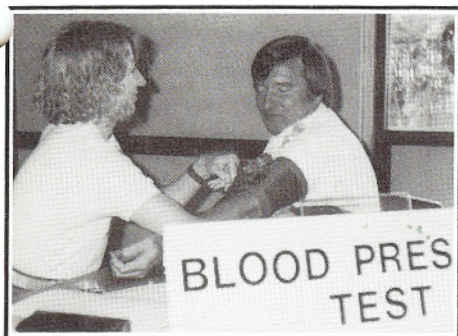
The Los Angeles City Fire Department has developed a 58 minute video, produced by television station KCET, entitled, "Surviving the Big One: How to Prepare For A Major Earthquake." The video is available for check out by employees in the Employee Services Office, between 11:30 to 12:30 pm daily.

It is aimed at dispelling the myths and explaining the facts, lists the correct supplies to store at work and home, shows how to safety proof your home, answers "what if" scenarios such as "What if I'm in a car, in a tall building or in a crowded theater?", provides coping strategies for the difficult weeks after the first major shockwaves, and reveals your own human perspective and allows you to stop worrying and begin to prepare.

The video was developed under the direction of Donald Manning, Chief Engineer and General Manager, L.A. City Fire Department; Frank Borden, Assistant Chief, Commander Disaster Preparedness Division; and Henry Johnson, Fire and Safety Specialist.



## Librascope Health Fair Well Attended



Over 500 employees and their families attended a daylong health fair Saturday, September 17, at Librascope.

Participating at the health fair were medical personnel, dieticians, and counselors from Glendale Memorial Hospital, St. Josephs Medical Center, the City of Hope, Pathologists' Clinical Laboratories, Charter Oak Hospital, and the Glendale YMCA.

Health tests available to attendees included tests for hearing, pulmonary function, complete blood chemistry, blood cholesterol, body composition, blood pressure, and a mammogram.

Dieticians answered dietary questions, and counselors from the represented hospitals described their outpatient programs for substance abuse, stress management, exercise and weight control.



In addition, CPR demonstrations were given, and there was a continuous video presentation on "earthquake preparedness," "cancer awareness," and "AIDS."

Pamphlets were available from the American Cancer Society, the American Heart Association, and the American Lung Association on the latest information on smoking, diet, and other factors that cause cancer, and what you can do to help lower cancer risks and heart attacks.

# Librascope Open House ...

Over 2,000 employees and their families attended open house festivities at Librascope on October 7. The day-long event included self-guided tours, demonstrations of equipment and products, the latest Company video presentations, door prizes, entertainment, and food. Music was provided by "The Verdugo Swing Society."

"The open house was a big success," said company president Dr. Walter Picker. "That success can only be attributed to the fine efforts of all of those persons 'behind the scenes' who contributed to the successful outcome of this event.

"To put on such an event takes a lot of planning, preparation, and cooperation from a number of departments. In particular, the outstanding job performed by the entire Facilities Department in the preparation of the buildings and grounds, the Art and Photo Departments, the Printing and Reproduction Department, and all departments in getting their areas ready for inspection by employees and their families.

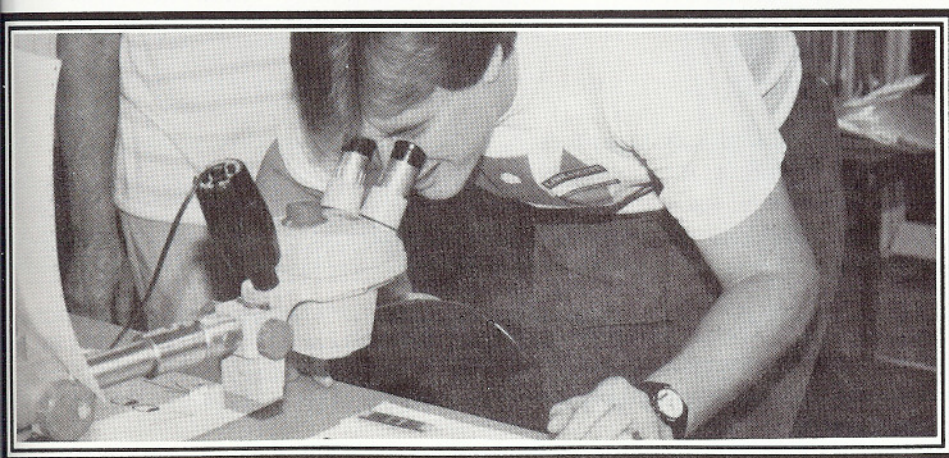
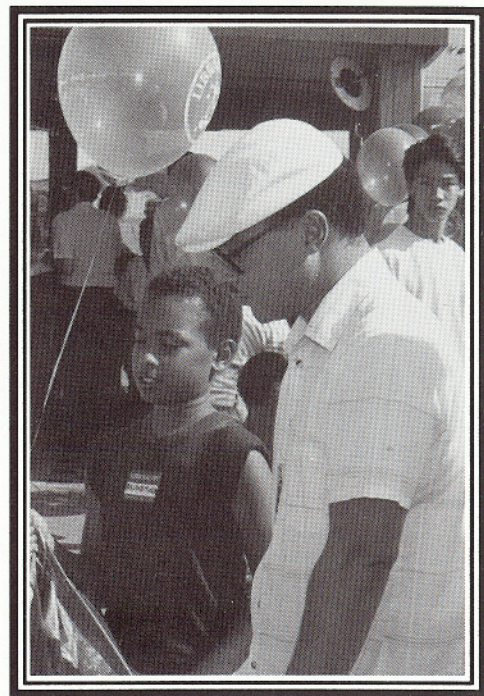
"In addition, we wish to acknowledge those who volunteered their time during the open house to answer questions, demonstrate equipment and Company products, and handle the open house festivities."

Those employees included the following:

- **Army Tactical Communications Display** - Neil Gilbride, Mark Derksen, Shant Kavarian, Steve Hirschberg, David Chieu, Sharon Neelands, Brent Derksen
- **Royal Australian Navy Combat Systems Display** - Gary Jasper, Bob Schmied, Delores Sanders
- **Printing and Reproduction** - Ken Mandeville, Tim Bruse

- **Computer Center** - Gerry Kroeker, Bernie Abrams, Don Sakamoto
- **Naval Combat Systems Laboratory** - Kathy Talbert, Russell Katz, David Sticks, Ray Hand
- **AN/BSY-2 Software Laboratory** - Beth Stoltenberg, Ray Madachy
- **Computer Aided Design Drafting** - Ron Howe, Jan Sweeney
- **Electronics Laboratory** - Jerry Heigel, Gus Montes
- **Test Equipment Laboratory** - Dean Munson, Doug Stanfield
- **Machine and Model Shop/Final Test & Checkout Production Assembly Area** - Jim Gilliam, Bob Sharp, Jim Carpenter, Tom Wilder, Pete DiGuiseppe, Jacqueline Allen, Maricella Chavez, David Birri, Ron Davidson, Dennis Carranza, Bert Younker, Seen Chong, Doreen Hollensteiner
- **Environmental Laboratory** - Chuck Nelson, Bob Lovejoy
- **Marketing Department** - Dick Kennerknecht
- **Submarine Combat Control System Mk 2** - Marguerite Kolar
- **Environmental Laboratory** - Chuck Nelson, Bob Lovejoy
- **Open House Welcome Booth** - Helen Esposito, Jean Cuvelier, Donnelle Hagan, Roy Shepard, Jack Naimoli, Amy Baker, Davie Henshaw, Jose, Josie and Shannnon Feliciano
- **Camera Club** - Vic Vennari, William Ketzbeck
- **Computer Club** - Stan Bucklein, Al Herndon, Charles Manes, George Webb, Phil Mayers, William Woodham, William Hall







Larry Anderson joined Librascope in September 1988 as Director of Systems Engineering. He directs approximately 100 professional and administrative personnel. His group consists of Advanced Programs, Advanced Concepts Development, System Development, System Design Newport, Rhode Island, and System Design in San Diego. Their major effort at this time is the design and development of the AN/BSY-2 subsystem components for the new SSN-21 submarine. Larry's group is also working on IR&D projects and Army programs. One of the key responsibilities that the Systems Engineering organization has is new business development. Key areas of focus at this time include Advanced Color Workstation Display applications, Imaging Center Optronics technology, Surface Ship Torpedo Defense, Submarine Self Defense and Integrated Combat Control System Development.

Larry has over 25 years experience working in the defense industry. He has a Bachelors degree in mathematics and a Masters in Applied Mathematics and Physics. Larry started his career at the Naval Ocean System Center naval laboratory as a research mathematician in the field of acoustics. He

## Employee Spotlight



**J. Larry Anderson**

spent twelve years in the naval laboratory system working on advance weapon guidance and control concepts and acoustic signal processing techniques for adaptive beamforming and noise cancellation. He spent a lot of time riding submarines and surface ships in support of at sea experiments and evaluation of system concepts.

In 1978, Larry joined Hughes Ground Systems Group in Fullerton, as a Senior Scientist. He was assigned as the Technical Director of the

ADCAP Mk-48 torpedo development program. This program provided an upgrade to the current submarine launched torpedo used by the U. S. Submarine force against surface ships and submarines. He left Hughes for two years in 1980 to work at Aerojet Electro Systems in Azusa. After his return to Hughes he was assigned responsibility for Corporate Mission Analysis and as Technical Director of the CCS MK-2 Combat Control System design effort.

While at Aerojet Electro Systems Larry was the manager of the Electronic Design organization responsible for the design of electronic hardware for space based satellite sensor systems for the first year and then Chief Engineer of an Ocean Systems Group to develop new business in the ASW.

Larry recently retired from the Naval Reserves as a Commander Engineering Duty Officer. He completed 23 years of service where his active duty time was spent on submarines and most of the reserve time was spent in support of the AEGIS Combat System on CG-47 platforms.

Most of his spare time is spent raising and showing Persian cats along with teaching mathematics at Citrus College in Glendora.

## HIGHLIGHTS

### Retirees' Dinner . . .

Over 200 persons recently attended a dinner in the California Room for Librascope retirees and their spouses. This was the first dinner for retiree's held by the Company.

President Dr. Picker welcomed the attendees and conducted an after dinner 'question and answer' session.

The "senior" retiree at the dinner was George Dill, 86 years old, who joined Librascope in 1951 and retired in 1964.

"We have received many letters from those who attended the dinner, expressing their delight with the entire evening, and especially in seeing and reminiscing with former friends and co-workers," said Frank Yapp, Vice President, Human Resources. "We would like to make this an annual event."



*Attending the Retirees' Dinner was Edwin Thorpe, who joined the Company in 1953 in the Machine Shop, and retired in 1967.*

### Craft Fair . . .

Librascope artisans exhibited their handiwork for sale at the Company's third craft fair held for employees, their families and friends, on Saturday, November 11. Craft fair coordinators Lila Reynolds and Marie Fults, said this was the biggest craft fair yet to be held at Librascope, with over 40 exhibitors, and a big turnout of holiday shoppers.

"There were many, many manhours behind all of the handmade items offered for sale," said Marie Fults.

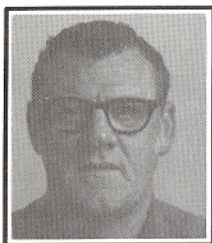
Among the items available to eager buyers included handmade holiday ornaments, baskets, wreaths, jewelry, handpainted t-shirts, flower arrangements, dolls, knitted items, breads, cookies and candy.



*Jan Sweeney, left (Automated Graphics Dept.) was one of over 40 exhibitors at the Craft Fair.*



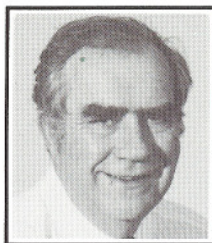
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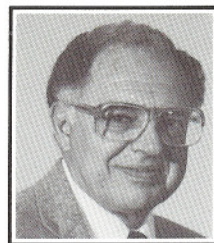
**David Sanderson**  
30 Years  
Field Service



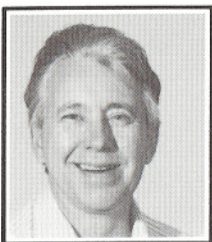
**Margarett Vasilieff**  
30 Years  
Scheduling &  
Records Control



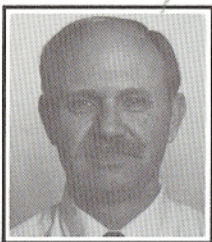
**Charles Reuter**  
30 Years  
Project  
Administration



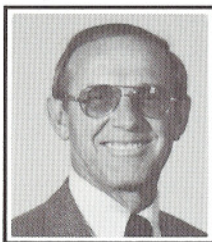
**Nicola Costantini**  
30 Years  
Value/Liaison  
Engineering



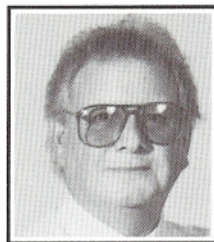
**Gene Swygard**  
30 Years  
System Design



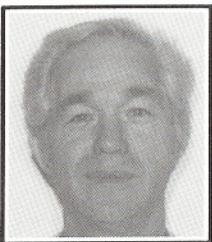
**Warren Lebow**  
30 Years  
Support &  
Evaluation



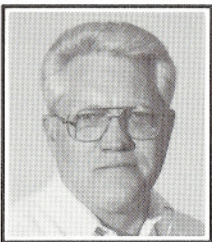
**Frank Yapp**  
30 Years  
Human Resources



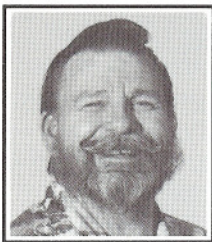
**Albert Saenz**  
30 Years  
Source Control



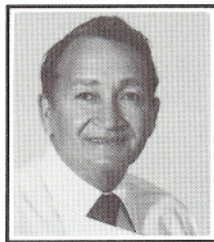
**Richard Havener**  
25 Years  
Field Service



**Carl Mandernacht**  
25 Years  
Field Service



**Arthur Owens**  
25 Years  
Finance



**Harry Ford**  
25 Years  
Scientific  
Programming

## promotions

**Quentin Anderson** from Supervisor Product Design to Manager Mechanical Engineering; **Michael Ossmann** from Senior Engineer to Supervisor Mechanical Design; **George Kallin** from Engineer to Senior Engineer; **Patrick Burk** from Quality Control Engineer to Senior Quality Control Engineer; **Nancy Heath** from Engineering Planner to Project Administrator; **Bradley Hummel** from Technical Programmer to Program System Specialist; **Mary Hogen** from Engineering Aide to Library Assistant; **Margot Sobel** from Department Clerk to Secretary; **Jason Au** from Associate Engineer to Engineer; **Kelly Ross** from Engineering Planner to Project Administrator

### MORE LIBRAVETS . . .

**15 Years** — Walter O'Connor

**10 Years** — Don Belcher, Ron Howe, Jeffery Ow, Charles Gooley, Stanley Raymond, Bruno Lozingot, Jerry Riley, Eduardo Salud, Rudy Nunez, Donna Howe, Christine Heinmiller, Edward Murphy, Ernest Dorazio, Diane Howe, William Bowen

**5 Years** — Nelson Young, Everett Pond, Jerry Peterson, Lee Jashinsky, Joel Rooks, Craig Worcester, Eunice Smith, Mark Supanchick, David Jones, Larry Panarelli, Rhonda Rockwell, Robert Mehman, Patricia Quarles, Rodney Turner, Lawrence Turner, Mary Monette, Mercedes Garcia, Jack Indreland, Pat Lehman, Donald Timmons, Dieter Bohning, Frances Opitz, Doug Stanfield, Navinchandra Patel, Robert Shelton, John Leighton, Ralene Berry, Brenda Hoelter, Ronald Estes, Lance Newton, Ira Childress, Selga Zanders, Gary Guttman

## retirements



**Elda Jamieson**, 7 years, Finance



**Virginia Garcia**, 15 years, Scheduling & Records Control, with supervisor, Jim Holmes.



**Pat Enos**, 21 years, Printing and Reproduction.