



"Submarine Under Sail" . . . The new-look Royal Australian Navy Oberon-class submarine HMAS OXLEY, shows off its new dome with the "sails" of the Australian Opera House providing the backdrop. The HMAS OXLEY has been refitted with the Librascope Mk 1 Mod 0 Fire Control System.

April, 1980

Librazette

FCS Mk 1 Mod 0 Surfaces in Australia

The HMAS OXLEY (pictured), one of the Royal Australian Navy's six Oberon-class submarines, was recommissioned into service last month after having undergone a two-and-a-half year refit and is currently undergoing extensive sea trials. The recommissioning of OXLEY marked a new era in submarine development for the Royal Australian Navy (RAN) with OXLEY being outfitted with advanced sonar, electronics, and the latest in the technology computerized weapon control and firing system; namely, the Librascope Mk 1 Mod 0 Fire Control System (FCS).

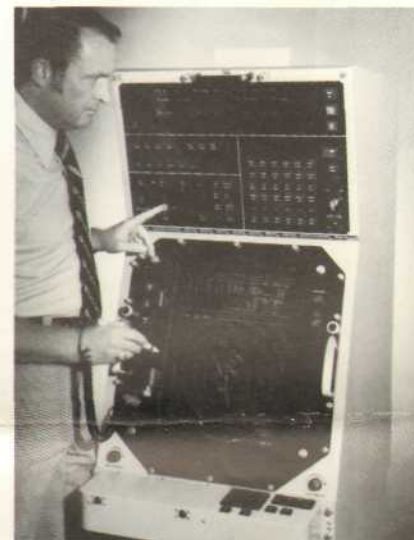
The Mk 1 Mod 0 FCS is believed to be the first fourth-generation fire control system to go to sea in a diesel-electric submarine. The new

computerized fire control system was developed by Librascope for the RAN as part of their Submarine Weapons Update Program (SWUP). Librascope was awarded the fire control system contract in 1974 and shipped the first system to Australia in 1978.

The new, all digital Mk 1 Mod 0 FCS provides control of selected and processed sonar, periscope, and other sensor target data; generation of weapon orders; and control of weapon selection, setting, firing, and guidance. Far beyond simple torpedo control, the Mk 1 Mod 0 FCS is a tactical system which gathers data from many sources, then collates, analyzes, and presents the information in graphic form on a display screen

to assist command in making timely, accurate decisions in any combat situation.

Under the SWUP Program, a projected ten-year project, all of RAN's six Oberon-class submarines are to be outfitted with the Mk 1 Mod 0 FCS and the Mk 48 torpedo, now being acquired by the RAN for their submarine squadron. The SWUP Program is expected to be completed in 1985. By then, the RAN's submarine squadron will have been converted into one of the most up-to-date and potentially capable conventional submarine squadrons in the world and Librascope will have scored another "first" in a long list of firsts in submarine and anti-submarine weapon control systems.



Alan LaRue, Int'l Marketing Mgr., demonstrates the operation of Librascope's latest Fire Control Console, a major element of Submarine Fire Control System Mk 1 Mod 0.

Business Highlights

New Navy Business

Librascope received two major contract modifications in March to continue engineering and logistics support of the TRIDENT Fire Control System. One contract modification in the amount of \$1.6M will provide funds for continued systems engineering studies and other related engineering services. This will ultimately modify and enhance the TRIDENT equipment in anticipation of the next TRIDENT production contract expected to be received during late 1981 or early 1982.

The second contract modification for \$300,000 will provide funding to continue the development of training curricula and to conduct a series of training classes for civilian and military personnel in the operation of the TRIDENT equipment onboard ship.

Englehardt Named Sec., ADPA

Dan Englehardt, Librascope Marketing Department, has been appointed Secretary to the Combat Systems Section, Undersea Warfare Systems Division of the American Defense Preparedness Association (ADPA). En-

glehardt will be working directly with the ADPA Combat Systems Steering Committee and will be acting as liaison with the Navy's Combat Systems Manager at NAVSEA Headquarters and field offices.

Dan has been with Librascope sixteen years, working in the Washington, D.C. area. He started as a Program Manager with the Electro-Optics Group in Rockville, Maryland, and moved to the Washington Marketing Office when the Electro-Optics Group moved to Glendale.

Newman Named Mgr. Ft. Monmouth Office

John H. Newman has been named Manager of the Librascope Fort Monmouth Office in New Jersey. The announcement was made by Ernest T.



J. Newman

Pool, Vice President of Marketing. Newman will assume overall responsibility for Army programs in the New Jersey area. He comes to Librascope from Avco/Cincinnati Electronics Division where he was Marketing Manager.

He replaces Peter Moran who retired from the Company last November.

New Office Opens

Newport, Rhode Island, is the site for the Company's new East Coast office, to open on or about April 30, 1980. (Librascope has had a marketing office in Fort Monmouth, New Jersey, since 1975.)

The Rhode Island office will deal primarily with the U.S. Naval Underwater Systems Center, located in Newport. This includes advanced development programs, software development, in-service engineering and logistics support activities for Fire Control Systems MK 113, MK 117, MK 118, and other related programs.

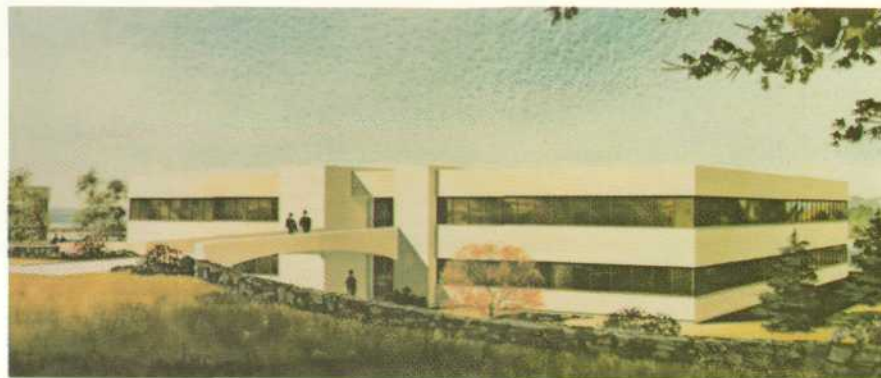
Manager of the Newport Office will be Dick O'Connor, as announced by Roy Bartlome, Director Naval Weapon Systems. O'Connor has been with the Company for twenty-eight years, and stationed in the Rhode Island area since 1965.

Reporting to O'Connor in Newport

are Gary Jasper, Systems Engineering Manager, and Phil Eklund, Logistics Manager. Jasper and Eklund were promoted to these positions in February. Both are from the Glendale operation. A third group under O'Connor has been established for software development work.

"This expanded activity in Newport is important to the Company's continuing U.S. Navy business," stated Bartlome. "Our customers in the Navy, both at Newport and Washington, D.C., have been requesting additional technical support and have encouraged this expanded activity at Newport."

The business activity in Newport has and will continue to result in new contracts and work for the Glendale operation and will provide for an improved liaison with one of Librascope's most important customers.



Site of Librascope's new engineering office in Newport, Rhode Island. The Company will occupy a portion of this newly-constructed two-story facility.

News, events and other interesting things...

Club Corner

AMATEUR RADIO CLUB — meetings are held the first Tuesday of every month during lunch in Bldg. 17. Classes are being planned for those interested in obtaining an amateur radio license. For more info., call X-1085.

ARTS & CRAFTS — plans are underway for an arts and crafts exhibition at Librascope. Watch bulletin boards for final details. For info., call Dorothea Busch, X-1380.

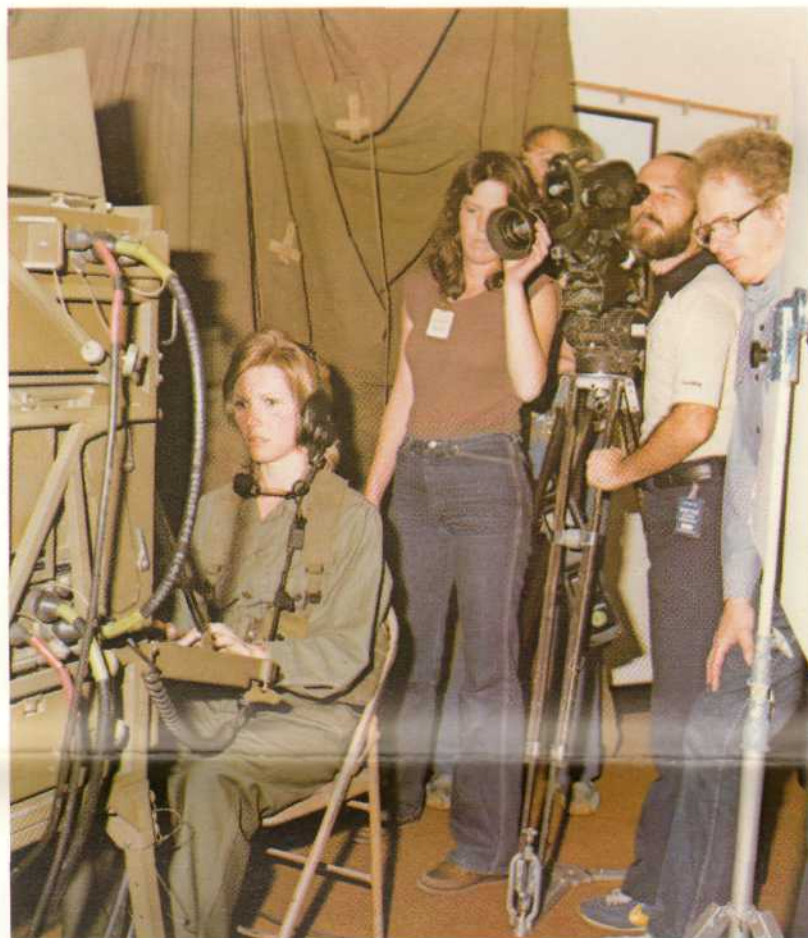
BIBLE CLUB — there are two Bible clubs active at Librascope; one club meets every Tuesday at 11:30 a.m. in Bldg. 17 (call X-1214); and the other club meets on Wednesdays at 11:45 a.m. in Bldg. 2 (call X-1447).

BOWLING LEAGUE — the winter bowling league is in its 26th week of a 31-week season. Current standings for the "Tuesday Night Mixed Five" have *The Banana Splits* in first place (John & Angie Mielkus, Grace Kleinberg, Al & Agnes Bates), and for the "Thursday Night Mixed Trio," *Team No. 8* is in first place (Ken Mandeville, Anita Hagan, Dick Kennerknecht). Anyone interested in bowling in the next session (beginning in September), should call Ron Maas, X-1748.

CAMERA CLUB — meets the 2nd and 4th Tuesday of every month at 11:45 a.m. in Bldg. 2. The club provides an active program for beginning photographers. Field trips are held as well as after work shooting sessions. Exhibits of the club's current work are on display in Jack Bamberger's office, Bldg. 2.

JOGGING CLUB — this newly formed club meets every Tuesday at 4:45 p.m. at Griffith Park for a 2 mile jog at your own pace in the park. For info., call X-1638 or X-1688.

"TCT Goes Hollywood"



Sue Meghee, Plant Engineering, plays the role of an Army operator of Librascope's Tactical Computer Terminal (TCT), the subject of a recent film shot at Librascope under the cognizance of the U.S. Army.

The film, which took a week to shoot, will be used by the Army to publicize the effective-

ness of this new communications equipment.

Librascope received a \$26 million contract from the U.S. Army for the Tactical Computer Systems and Terminals last September. The contract represented the largest 'single' award the Company has ever received.

Employees Give F to VA Hospital

Faith Rothburn, Chief of Voluntary Services, VA Medical Center, Sepulveda, is presented with six AM/FM radios donated by Librascope employees. Making the presentation is Jim Avera, Supvr., Photo Lab and Member of the VA Camp Kearney, Chapter 13 in Van Nuys. Assisting is Fred Metz, retired from Librascope, and National Executive Committeeman, District 12 (Calif., Hawaii, Nevada & Arizona), Chapter 13, Van Nuys.

The six AM/FM radios were donated to the VA Medical Center in Sepulveda as a result of contributions made by Librascope employees.

scope em
nual Ch
held last
drive wa
years ag
cided th
tribute to
spend th
mailing
low empl
been giv
since tha
In add
the VAM
money w
ees to pun
Children
geles.

Increase In Tuition Refunds

An increase in the employee's tuition reimbursement program has been announced. The program, available to all full-time employees, covers any college-level course leading to a certificate or a degree which has been approved in advance by the Company.

The increase in reimbursement is as follows:

Certificate or Associate Degree Program: 75% refund at end of each quarter or semester up to a maximum of \$800 per year (formerly \$600).

Bachelor's and Graduate Degree Programs: 100% refund at end of each quarter or semester up to a maximum of \$800 per year (formerly \$600), and 50% refund for any expenses above \$800 per year (formerly \$600).

An application for Tuition Refund must be completed for each course for which reimbursement is requested, and forwarded to the Employment and Training Department prior to the start of the course.

For complete information and/or application forms, contact the Employment Office, X-1204.

"On Sale" in Employee Services Office . . .



Susi Smith, Publications, and Jerry Benoit, Printing, model Librascope t-shirts which are on sale at \$4 each in the Employee Services Office, Bldg. 2. The shirts are available with either a Navy or Army logo, representing the Company's two major customers.

Also "on sale": See's candy certificates at \$3.70 ea. (regularly \$4.30); Renaissance Pleasure Faire tickets at \$5 ea. (regularly \$8.25); Magic Mtn. tickets (can be used any time this year) at \$7.50 ea. (regularly \$9.50); and tickets for Mann and/or General Cinema Theatres at only \$2 each.

An added feature in the Employee Services Office is a discount photofinishing service. Employees can drop off their film on Tuesday and pick it up on Thursday. Film can also be purchased at discounted prices.

Credit Union Offers Share Drafts

Share drafts may be new to you, but for over 35 million Americans who belong to credit unions, they've been around long enough to be loved, says Helen Ferrari, Manager/Treasurer of the Librascope Employee's Credit Union. "Members love share draft accounts because they earn 5 1/2% interest on an average balance and they can write their own checks," said Helen. "In addition, there is no monthly service charge, not even a minimum balance requirement."

For more information, visit the Credit Union Office, or call X-1242.

radios

Employees during the annual Christmas Charity Drive in December. The charity was established over 22 years ago when employees decided they would rather contribute to a worthy cause than spend money in buying and selling Christmas cards to fellow employees. Over \$29,000 has been donated to various charities over the years. In addition to the radios for the Medical Center, enough were donated by employees to purchase a wheelchair for the Hospital in Los Angeles.



Blood Drive May 9

Donations of blood are down this year. This has local Red Cross officials worried. Local residents are not contributing enough blood to meet the urgent requirements of the hospitals. Recently a Librascope employee experienced a delay in open heart surgery due to a lack of blood needed for

the surgery. A call to the Red Cross by the Librascope Nurse Anita Hagan resulted in the necessary blood being obtained in time for the operation.

The next Company Blood Drive will be held on Friday, May 9. Blood donor cards will be distributed to all employees on April 24.

Wear Your Badge Proudly!



Most important, badges are a security requirement at Librascope. The Company must comply with Government security regulations in the wearing of badges. Periodic security inspections are made by the Government to assure of this compliance.

"Employees are reminded to wear their badges in plain sight at all times," said Herb Bock, Security Manager, "and to respond to requests from plant protection officers and lobby receptionists when asked to display their badges."

Your badge is your Librascope membership card . . . when it is clearly visible! The badge quickly identifies the person to whom you are talking, whether it be a fellow employee, an Assigned Government Representative, or a visitor.

Referral Awards Up!

Employees can now receive up to \$50 for referring new employees to the Company. This is a 50% increase over the \$300 maximum that was being offered. The annual referral award has also been increased, from \$25 to \$50.

The amount of the award is based on the particular job classification filled by a referral; e.g., the amount currently being offered for

the referral and hiring of Installation Engineers, or, \$150 for a Government Property Specialist. (All awards are subject to withholding taxes.)

A list of current job openings and their respective cash awards is posted on bulletin boards throughout the plant. If you have referrals for any of the listed positions, contact the Employment Office, X-1204.

JA, Librascope's Mini-Business . . .



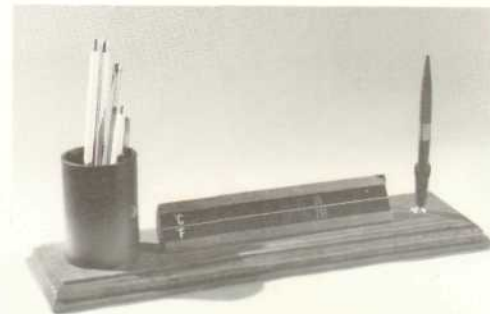
JA Plant Visit & Officer Training — officers of Desk Mate, a Jr. Achievement Company sponsored by Singer Librascope, from left: Larry Hoffman, V.P. Finance; Karen Kearney, V.P. Production; Robert McClure, President; Tony Hall, V.P. Marketing; Julia Dinger, V.P. Administration; and Librascope Production Adviser, Perry Christensen.

Junior Achievement makes it possible for young people to learn about the American business system by actually organizing and operating small businesses of their own during the school year. The essential ingredient making this program work is input from business and industry through qualified men and women who work with the youth and counsel them as they develop miniature enterprises.

Each minicompany operates for one semester, and includes the formation of a corporation, production of a product, sale of the product, and eventual liquidation of the company. The ultimate goal of each company, aside from the learning experience of its members, is PROFIT.

For the 26th year, Librascope is sponsoring a JA company. Named Desk Mate, their product is a desk set, which includes a digital thermometer, and sells for only \$7.

Librascope volunteer advisers are Perry Christensen, Production Adviser; Fleury Middaugh, Executive Adviser; and Marina Macias, Finance Adviser.



DESK MATE, a pen and pencil holder with digital thermometer, made by Desk Mate, a Jr. Achievement Co. being sponsored by Singer Librascope.

PROMOTIONS



Pat Keegan



John Filkins



M. Airitam



Jerry Mundy



Nancy Oberlin



R. McGinley



Ron Brualdi



Lee Atwood



Jim Gilliam



Bill Hudson



Estella Nichols



Bill Holcomb



Gary Jasper



Ed Hughes



Terry Rountree

PATRICK KEEGAN from Engineer to Supvr., Test Equipment Design; **JOHN FILKINS** from Staff Engineer to Mgr., Electro Mechanical Design; **MICHAEL AIRITAM** from Calibration Technician to Electronic Technician; **JEROME MUNDY** from Staff Engineer to Project Manager; **NANCY OBERLIN** from Secretary to Engineering Planner; **REGINA MCGINLEY** from Dept. Clerk to Government Property Specialist Trainee; **RON BRUALDI** from Project Manager to Mgr., Product Test; **LEE ATWOOD** from Experimental Machinist to Supvr., Tool Control; **JIM GILLIAM** from General Supvr., Assembly to Superintendent, Production; **BILL HUDSON** from Sr. Staff Engineer to Mgr., Systems Engineering; **ESTELLA NICHOLS** from Sr. Payroll Clerk to Supvr., Payroll; **WILLIAM HOLCOMB** from Industrial Engineer to Supvr., Standards; **GARY JASPER** from Staff Engineer to Supvr., Systems Engineering, Newport; **EDWARD HUGHES** from Programming Research Specialist to Supvr., Programming, Newport; **TERRY ROUNTREE** from PBX Operator to Employment Asst.

Libravets



Sol Elkin
25 Yrs
Maintenance Engr.



Irene Klima
20 Yrs
Sub Assembly



Werner Fien
20 Yrs
Adjusting



Jim Hachtel
20 Yrs
Purchasing



Duane Vennes
20 Yrs
Product Assurance



Alberta McClerkens
20 Yrs
Final Assembly



Vladys Gilys
20 Yrs
Pkg. Design/Drafting



Al Houchin
20 Yrs
Shpg/Recvg/Trans.



Ruth Lucas
20 Yrs
Sched. & Records



Bob Pelletier
20 Yrs
Plant Engr.



Mary Sufficool
20 Yrs
Stores



Gil Gallegos
20 Yrs
Receiving Inspection



Art Steiner
20 Yrs
Shipping/Recvg.



Tom Kokinda
20 Yrs
Field Service

NOT PICTURED:

25 Yrs - Diane Thompson
20 Yrs - Larry Cahill, Arlene Cole,
Ann Labick, Don Bauer

MORE LIBRAVETS:

10 Yrs - Margie Boudinot, Louis Palacio, Lila Reynolds, Georgiy Shyshla, Ted Aitken, Carol Anderson, Tom Mulholland

5 Yrs - Dolores Gustafson, Paul Lantz, Wilma Claybaugh, Doreen Jackson, Harry Kuruma, Dennis Toomey, Edward Hughes

retirements



SCOTT DWIRE, 20 yrs., Operations.



LEONARD BRANVOLD (center), 38 yrs., Manufacturing Engineering, with (from left): Howard Hetchko, Bob Riveria, Leonard, Berje Bagdasarian, and Rosemary Smith.



LARRY KNUTH (with card), 12 yrs., Purchasing, with, from left: Jim Hachtel, Earl Tempesta, Evelyn Manning, Larry, Phyllis Elkins, and Mrs. Knuth.



DOROTHY HANSON (2nd from right), 20 yrs., Finance, with, from left: Barbara Parker, Lorraine Reader and Estella Nichols.



ADOLPH BART (left of wife, Jane), 28 yrs., Machine Shop.



EDITH DUNCAN, 8 yrs., Eng.



MARIA NYHOLM (with orchid), 14 yrs., Stores, with, from left: Lillian Houchin, Sonia McNair, Marge Ciciretto, Helen Perez, Maria, Elsie Stefurak, and Mary Devonshire.



PHIL POIRIER, 22 yrs., Manufacturing Engineering.



DAVID FEIN (center), 14 yrs., Plant Engineering



ELLEN BUNTING (center), 26 yrs., Writing and Editing, with, from left: Charles Gilkey, Margie Boudinot, Dick Kennerknecht, Ed Tascona, Ellen, Carl Morrone, Helen Wyatt, Glenn Curtis and Jack Bertalot.