

INDIA NAVY SELECTS LIBRASCOPE

Contract Valued at \$11 Million

The Government of India has selected Librascope to produce a combat control system for its new submarines.

The initial contract awarded to Librascope is valued at approximately \$11 million with additional funding for more systems and support to follow.

India's new-construction submarines will be the German 209-class built by the Howaldtswerke-Deutsche Werft (HDW) shipbuilding firm of Kiel, Germany.

Librascope's initial contract, directly with HDW, is for four systems and associated documentation and installation services.

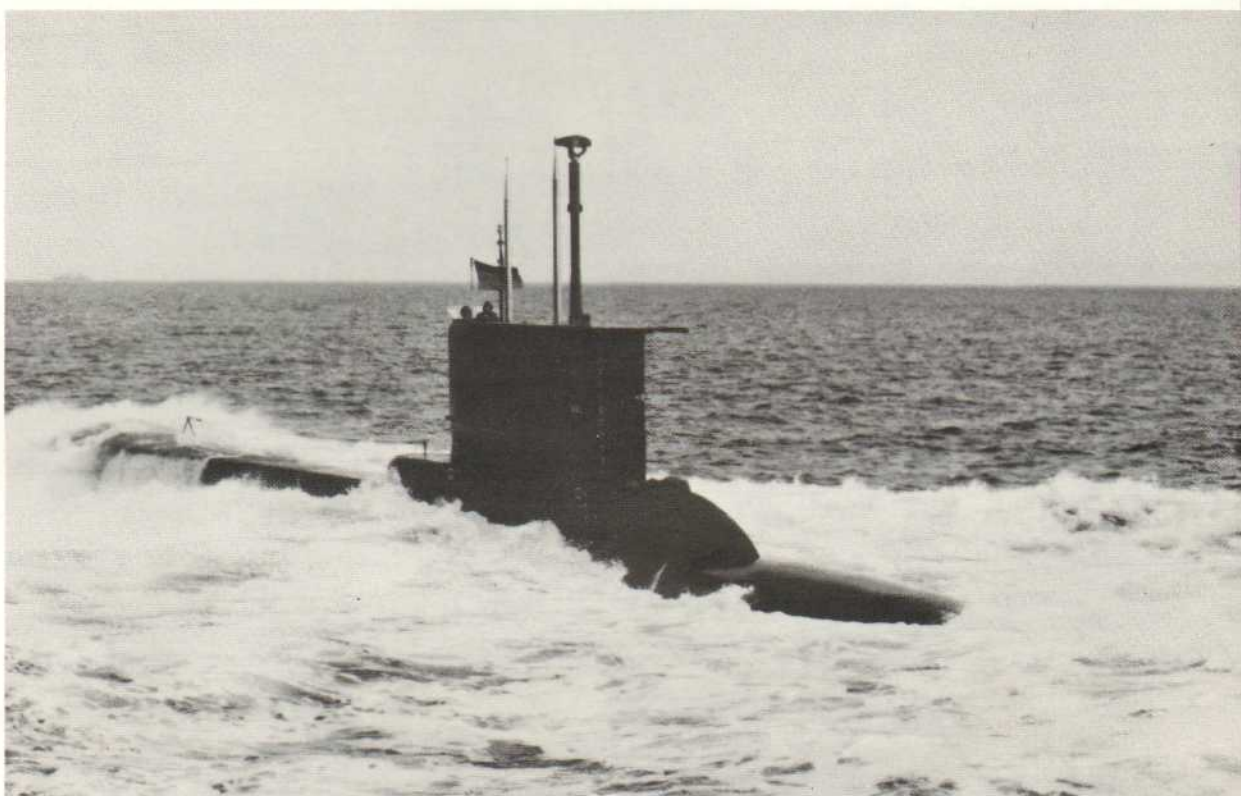
According to William Hudson, Librascope Systems Engineering Manager, the systems for India will be a derivation of our SFCS Mk 1. The first two systems will be installed on submarines to be built by HDW in Kiel, with the second two constructed later in Bombay, India.

Completion of the first submarine is scheduled to take place in about four years.

Additional contracts will be received directly from the Government of India. The first will be for the development of shore-based support facilities and repair parts inventories. Later contracts are anticipated for additional systems as India adds more submarines to its fleet.

Selection of the Librascope system followed a successful competition against several major European suppliers of similar systems.

The Mk 1 was previously selected by the Australian and Canadian navies, and the adoption of the system by India further enhances Librascope's growing international reputation in the combat control systems field.



Shown surfacing above is an HDW 209 class submarine, the type India is purchasing from Germany and on which Librascope's fire control system Mk 1 (below left photo) will be installed. Relatively small and cost-effective at 201 feet in length, the submarine promises to attract increasing international business for the Mk 1 systems.

April, 1982

Librazette

1981: A Good New-Business Year For Librascope

New business orders for 1981 proved to be the largest ever for Librascope and the resulting backlog also represents a new Company record.

Some of the newer work includes a U.S. Naval Sea Systems Command contract for additional Fire Control System Mk 117 hardware, including Attack Control Console

Mk 92's, Emergency Preset Console Mk 93's, and Weapon Monitor Panel Mk 19's.

Worth approximately \$11 million, the hardware will be installed in new attack class submarines. Deliveries to the Navy are scheduled to begin in April, 1983 and will be concluded in December, 1984.

In addition, Librascope received a \$6 million U.S. Navy contract in December for refurbishment of FCS Mk 113 Mod 9 equipment.

This contract covers the refurbishment of 15 systems currently on board submarines of the SS(B)N Lafayette class.

An earlier contract covered the refurbishment of 10 more such systems. In 1982, an additional contract to complete refurbishment of all submarines in this class is expected.

Still more new business in December included a \$4.4 million order from the U.S. Navy for RD-433 militarized disc memories.

Inside:

Golf Club Opener	P-2
Credit Union	P-2
Security	P-3'
Test Equipment	P-4
Retirements	P-7
Blood Drive	P-8
Libravets	P-8

Top Awards For Two Suggestions

Edward Murphy, an installation engineer in Maintenance Engineering, and Verle "Mac" McClure, a machinist, Tool Room Jig Bore—Lead, have won top honors in recent Employee Suggestion Program competition.

Murphy's suggestion was to provide a special wiring aid that assists production wireers and service engineers in identifying and locating wire wrap pins.

The wiring aid, called the "Pin Finder," is a simple tool made of plastic that will clip on-to and identify wire wrap pins during rework and modifications. Several types of these wiring aids are being fabricated and will be available in the tool cribs.

McClure's suggestion was to add tooling lugs to various weldments, making them easier to handle and easier to machine.

This innovative suggestion resulted in reducing costs and improving schedules.

Both men received ESP gift certificate awards.



promotions



D. Pinkston



R. Tsai



L. Cox



J. Kelley



J. Wagers



R. Locklear



J. Lamerson



B. McGlaughlin



T. White



B. Granger

Diane Pinkston, from Engineering Aide to Automated Graphics Operator.
Robert Tsai, from Manager—Advanced Displays to Manager Electro Optics.

Larry Cox, from Supervisor In-Service Engineering to Project Manager.

John Kelley, from Senior Combat Systems Analyst to Supervisor-In-Service Engineering.

Billy McGlaughlin, from Senior Combat Systems Analyst to Supervisor—Combat Systems Analysis.

Jack Lamerson, from Senior Combat Systems Analyst to Supervisor—Combat Systems Analysis.

Timothy White, from Systems and Procedures Analyst to Supervisor—Project Administration.

Richard Locklear, from Inspector Surface Plate to Quality Control Engineer.

Johnnie Wagers, Jr., from Customer Training Engineer to Supervisor Customer Training.

Bonnie Granger, from Supervisor Assembly to General Supervisor Assembly.

William Volding, from General Helper to Manufacturing Estimator.

Victor Cohen, from Associate Engineer to Engineer.

Thomas Cuda, from Senior Engineer to Staff Engineer.

Carl Jappe, from Designer to Senior Designer.

Daniel Ponka, from Senior Electronic Technician to Electronic Engineering Associate.

Lance Bailey, from Associate Accountant to Budget/Financial Analyst.

Robert Bills, from Senior Engineer to Staff Engineer.

Ernest Dorazio, from Senior Engineer to Staff Engineer.

Patricia Kirby, from Technical Illustrator Trainee to Technical Illustrator.

James Landman, from Associate Engineer to Engineer.

Carmela Monasterio, from Drafter Engineering to Drafter Design.

Clifford Rourke, from Designer to Designer-Senior.

Antonio Sanchez, from Mail & Records Clerk to Group Leader.

Eugene Steen, from Engineer to Senior Engineer.

Nicholas Thomas, from Engineering Drafter Trainee to Engineering Drafter.

Barbara Wills, from Parts Lister Senior to Data Base Coordinator.

PEOPLE
LIKE YOU...
HELPING
PEOPLE
LIKE YOU!



The United Way

Golf Club Holds 1982 Opener at Brookside

Some 40 members of Librascope's Golf Club competed in the 1982 season-opening golf tournament March 6 at Brookside Country Club in Pasadena.

Low net honors for the day went to Frank Copple and Charlie Gilkey (tie) who both carded 71. Jessie Fuchiek won low net for women with a score of 70. Fuchiek also won low gross honors for women with a 90, and Phil Eklund, 83, took the honors in men's competition.

The Brookside tourney was

the first of nine such events planned by the Golf Club this year.

Building #3 has assumed responsibility for running the club for 1982-83 and elected a slate of officers. Included were:

Marty Lindusky, president and assistant tournament chairman; Duane Vennes, vice president and handicap chairman; Melba Puryear, treasurer; Carl Smith, secretary; Steve Wallace, flight play chairman; and Doug Goshorn, tournament chairman.

According to Lindusky, flight play will only be played this year if there is sufficient interest.

"Last year, interest waned in the final weeks and matches were not played in a timely manner," the Club president said. "This year forfeit rules will be strictly enforced, so you'll only hurt your team by not playing your match in the two-week period allotted."

The club is currently accepting new membership applications. Interested employees are encouraged to contact Golf Club building representatives listed on bulletin boards.

Tournaments scheduled for 1982 include:

April 9—Camarillo Springs.

May 8—Azusa Greens.

June 12—Dunes C.C. (Las Vegas).

July 24—Whittier Narrows.

August 14-15—Tijuana La Escondida.

September 12—Los Olivas (Oxnard).

October 2—Shadow Ridge (Vista, CA—Kearfott).

October 30—Valencia (final tournament).

Sign-up sheets for the next tournament—April 9 at Camarillo Springs—are posted on bulletin boards.

Credit Union Gets a New Home

Remodeling of the old cafeteria building between buildings 1 and 2 is almost completed and the Librascope Credit Union will be moving in three weeks.

"We would like to thank all of those who worked on our new home. It's beautiful," said Helen Ferrari, manager-treasurer of the Librascope Credit Union.

"Everyone's invited to visit us and become a member," she added.

The new location provides added security for the Credit Union as well as a more efficient office layout.

Members from outside the plant (retired employee members and former employees who are members) will be able to visit the Credit Union by obtaining special badges at the Main Security Gate.

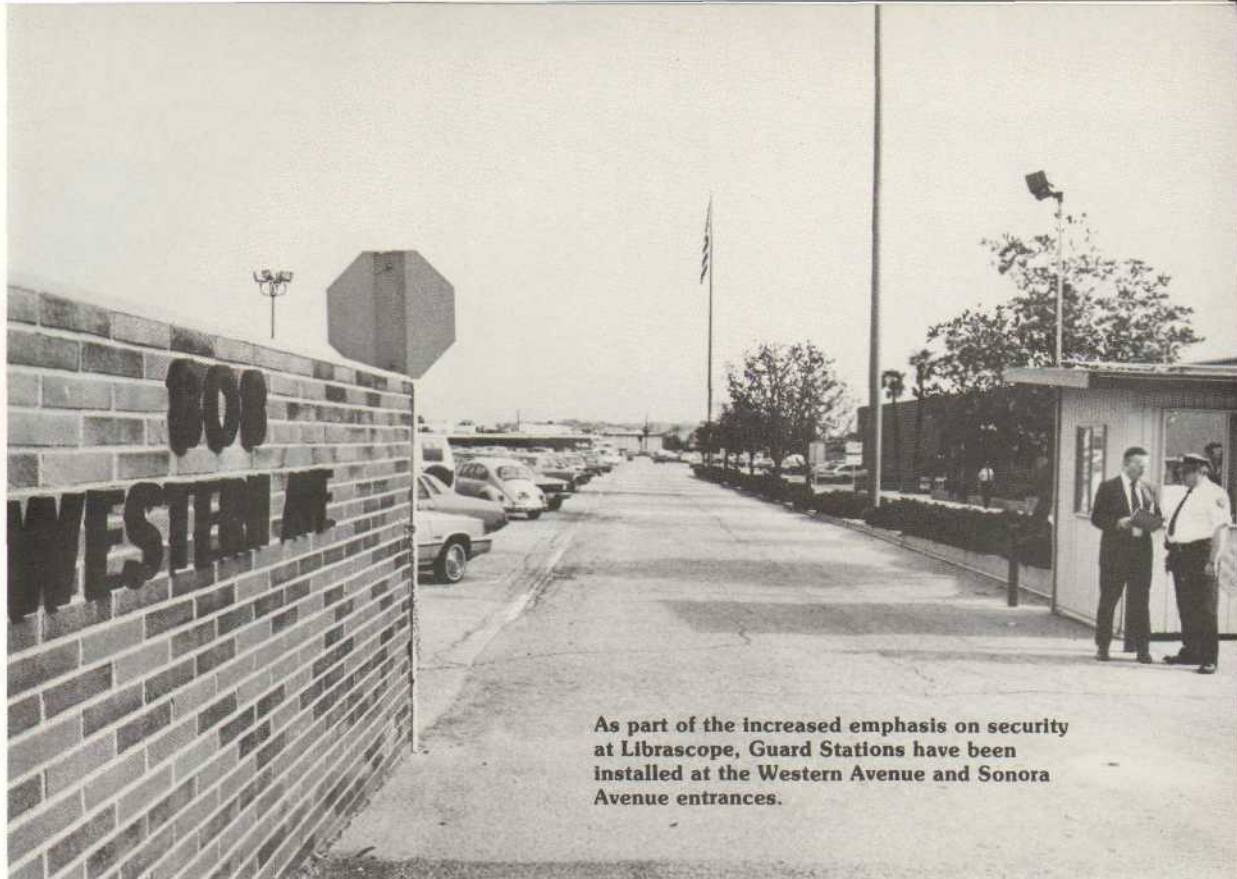
Since the new Credit Union building is only a short distance from the gate and in a direct line-of-sight, no visitor escort will be required for members.

New Faces—Engineering



The Engineering Department is really growing. Among the newcomers are (left to right) David Chiu, Zev Palmor, Joanne Olsen, Craig Ziegler and Stephanie Barker.

Manager of Security Herb Bock, left, and Capt. Douglas Carver, California Plant Protection, Inc., discuss the new traffic control requirements. Carver recently celebrated his first anniversary as Post Commander at Librascope.



As part of the increased emphasis on security at Librascope, Guard Stations have been installed at the Western Avenue and Sonora Avenue entrances.

LIBRASCOPE SECURITY TIGHTENED

Remember the days when posters on bulletin boards carried reminders like "Loose lips sink ships," and "Security is everyone's business"? There was even one rather lengthy one that read, "What you see, here...what you hear, here...when you leave here...let it stay here."

Well, as corny as those posters might sound today, the thought behind them is more important now than ever before.

According to Herb Bock, Manager of Security, the rapid growth of Librascope during the last year has brought the need for a renewed emphasis on security into sharp focus.

"Librascope's customer base is much broader today," Bock explained. "Customers and

potential customers from all over the world are visiting our plant constantly. Vendor and other visitor-traffic in and out of Librascope is also increasing. And," he added, "Librascope's products and services are certainly no less security-sensitive than they have been in the past."

"Add to this the fact that auto theft and vandalism statistics are up throughout the Los Angeles area, and you can well understand why we are making 1982 a year of increased emphasis on security."

The new chain link fencing around the premises and the new guard stations and gates are examples of this emphasis.

The Ruberta Avenue entrance and the second (alternate) Sonora entrance now

have gates which will be kept locked except during peak traffic hours. Both gates will be open for employee traffic from 6 a.m. to 7:30 a.m., and from 3:15 p.m. to 4:30 p.m.

In addition, there is a new pedestrian and truck gate providing access to Bldg. 18, which will be unlocked during normal working hours.

The new guard stations at the Western Avenue and Sonora Avenue entrances will be manned by Security Guards to control access to Librascope's parking area.

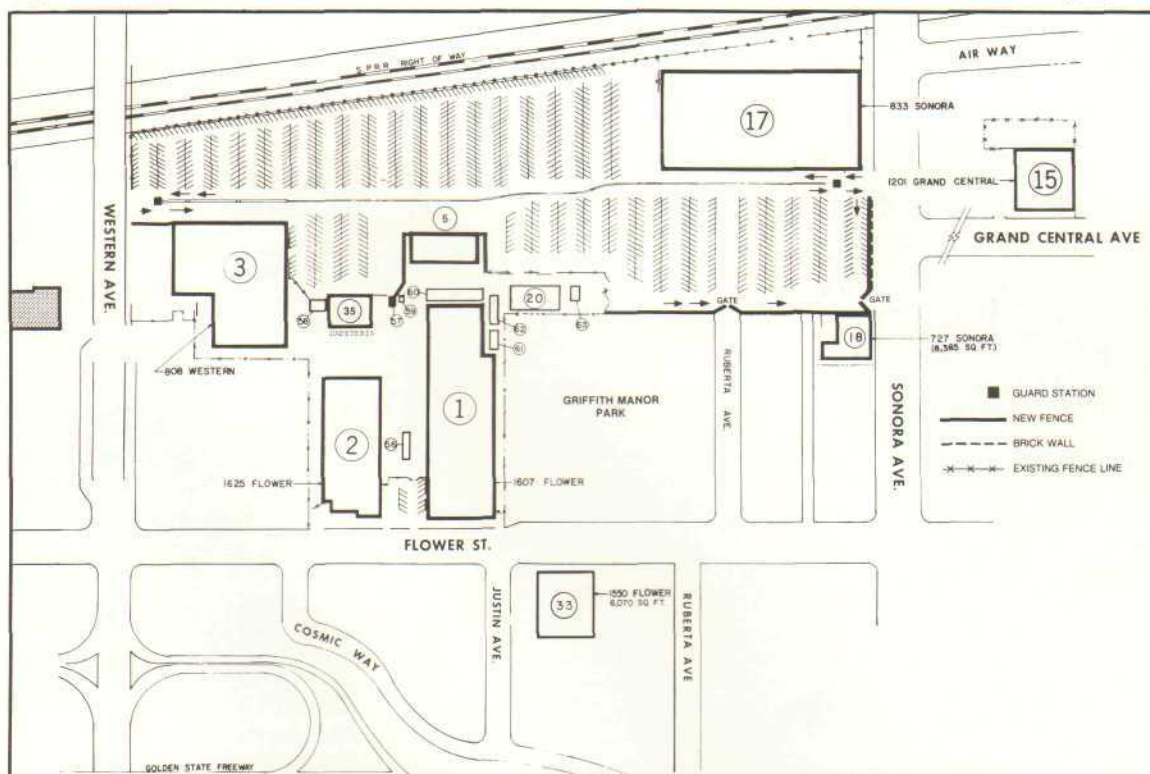
"During peak hours, employees going to and from work will not be required to stop," Bock explained. "We do not wish to impede the flow of traffic during those times."

At other times, employees

will be required to show their security badges to gain entrance. Visitors will be stopped only to be given directions by the Security Guard.

The Sonora Avenue Guard Station will be manned and open 24 hours a day, seven days a week. The Western Avenue access will be manned and open Monday through Friday from 6 a.m. to 6 p.m. and will be locked at other times.

"It may take a little time to get used to these new traffic patterns, but when we realize that the new fences and gates provide added protection for Librascope's security-sensitive areas as well as added security for employees' vehicles and personal property, I am sure we will all agree that it is well worth the effort," Bock added.



Sgt. Roy Wesley checks the lock on the new Ruberta Avenue gate.

Parking decals will be available to employees by the end of the month, to avoid the need for showing badges when entering the parking lot.

Librascope's Test Equipment Department...

Audrey Moran, Test Equipment
Secretary.

DESIGNED FOR MAXIMUM SERVICE

Librascope has long been known for the talents of its highly skilled people in design, engineering, programming and maintenance...and nowhere are such talents more evident than in the Test Equipment Department.

Reporting to Director of Product Assurance Herb Meyer, the Test Equipment Department is headed by Harold Ferguson, manager of Test Equipment.

Located in Bldg. 17, the department is a unique service organization.

According to Manager of Test Equipment Harold Ferguson, the department supports almost every function at Librascope.

"Due to the unique requirements of developing quick action, commercially-oriented test systems within a

military product line organization, the Test Equipment Department was organized as a support facility functioning within the framework of Librascope," Ferguson explained.

The department has its own design capability, supplies its own maintenance and support services...all independent of the normal product line operation.

"This way we can provide a concentrated effort...maximum service...in support of Librascope's test equipment requirements on an as-needed basis," Ferguson added.

Test Equipment Department, for example, is responsible for the design, fabrication and maintenance of all special test equipment used for Librascope's factory testing. The department is also responsible for installation, calibration and periodic maintenance of more than 5,500 pieces of

special and commercial test equipment used throughout the company.

The majority of special test equipment produced for use with our military products is used for final system or unit acceptance...and because of this, remains at Librascope for continuing production.

On occasion, however, specially designed test systems are delivered along with the product to Librascope's customers. For example, the Australian RAN project—recently delivered—includes an automatic card test system developed by the Test Equipment Department.

The department has an outstanding record of achievement and credit for this, says Ferguson, should go to department supervisors and their staff.

"Three key groups—design, programming and support—work in close harmony on every project," Ferguson said. "We meet regularly and often to forecast needs, review designs, discuss problems... and just make sure everyone is aware of project status."

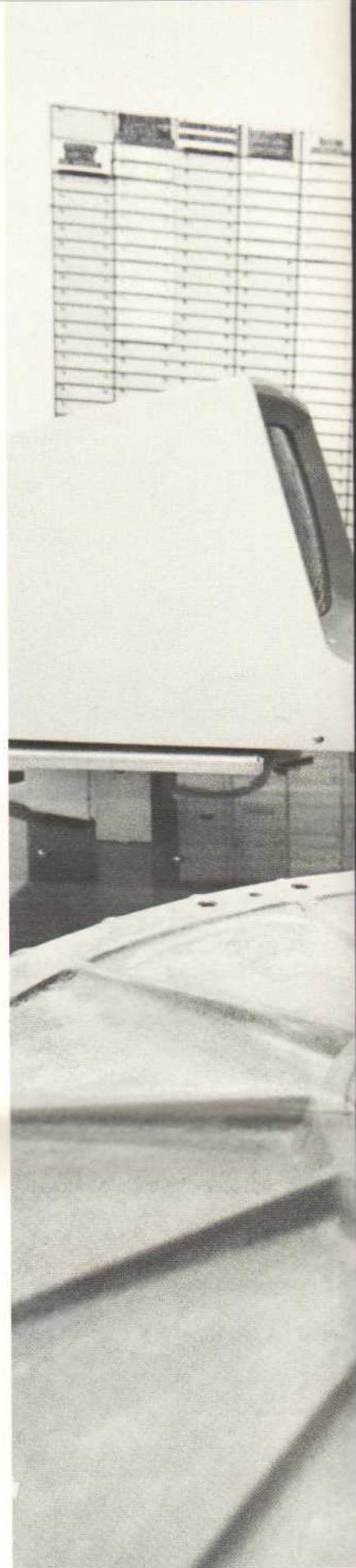
Heading the Test Equipment Design Group is Supervisor Pat Keegan.

Working closely with the Engineering Department and the Manufacturing Test Department, Keegan's group is responsible for the development of special test systems...from initial specifications through release to manufacturing.

Librascope's computer-aided design capabilities are utilized in design of test circuit cards. Electro/mechanical designers within the group work directly with the Model Shop for parts, and staff members use the manufacturing wiring shop for harness and cable fabrication.

"Our programmers also have access to Librascope's Data General System through an AOS terminal located within our department," said Keegan.

Test Equipment Programm-



Kurt Carter, Electrical and
Mechanical Adjusting Department.



ing Group Supervisor is Jon Benken.

Left to right: Mike Aritam, Electronic Technician, and Mike Salas, Engineer.

Responsible for the design, development and release of circuit card programs, the Programming Group also produces special box test programs for use on automatic test systems.

For cost effectiveness, programs are developed on an English language format called ELUCIDATE (developed at Librascope) which is specially oriented to test criteria. The Group also produces test procedure documents and manuals for each project and continually updates test programs to incorporate any product design for manufacturing changes.

The Programming Group is currently responsible for more than 2,000 active test programs at Librascope.

Phil Rodowsky, supervisor of the Test Equipment Support Group, is responsible for providing the equipment and manpower to install and maintain test equipment used throughout Librascope.

The Support Group has complete capability for testing, trouble-shooting, repair, modification, maintenance, calibration and coordination of

Continued on page 6



Judy Becker, Engineering Storekeeper.

Left to right: Harold Ferguson, Test Equipment Manager; Jon Benken, Test Engineering Supervisor; Phil Rodowsky, Test Equipment Services Supervisor; and Patrick Keegan, Test Equipment Supervisor.



Left, Jon Benken, Test Engineering Supervisor, and Dean Munson, Electronic Technician.



Right photo: John Kennedy, Electronic Engineer Associate, and Dean Munson, Electronic Technician.

Blanche Erickson, Programmer.



Designed for Maximum Service

Continued from page 5

all special and commercial test equipment.

Maintenance and calibration ranges from simple gauges and meters to some 18 minicomputer-based test systems active in the manufacturing area. To provide detailed, pertinent data on each of the more than 5,500 pieces of test equipment in use at Librascope, and to maintain accurate periodic maintenance and calibration schedules, the Support Group uses an EDP System 10 computer located within the department's equipment stock room.

The key to the Test Equipment Department's ability to keep up with both continuing test requirements and fast-breaking needs is something Ferguson calls "the distributed test system" (see illustration, Page 6).

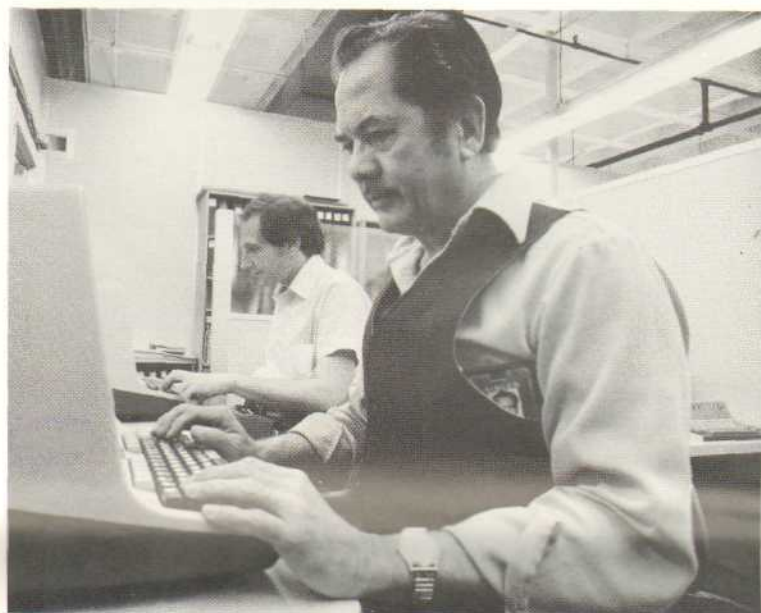
"This system is made up of a number of interlinked computers and peripherals, product test interfaces and special operating software," he said.

"The combination of these data bases allows us to specifically address any one of

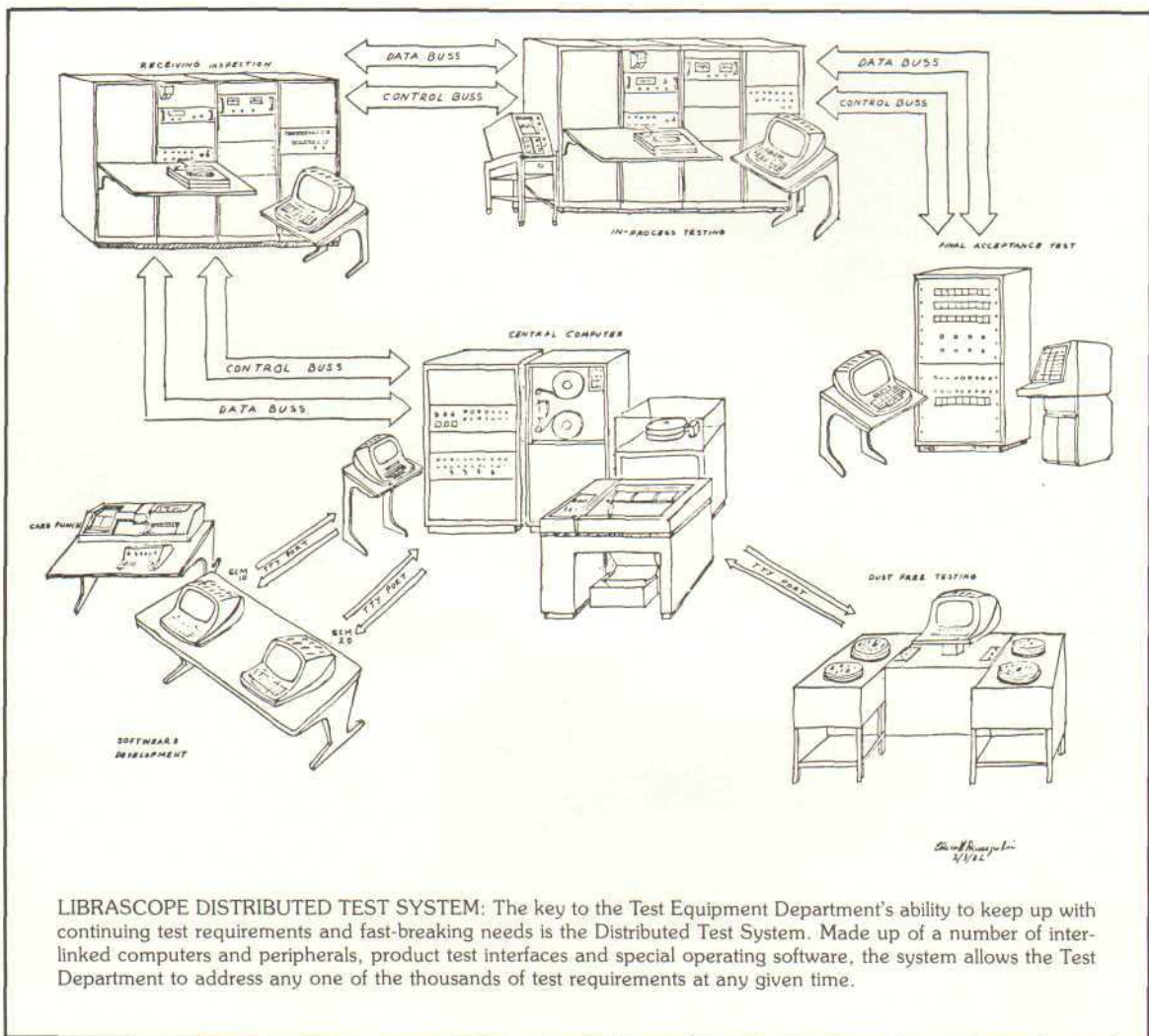
the thousands of Librascope's test requirements at any given time...and provides us with the basic tools and information to make decisions," Ferguson explained.

The Test Equipment Department: truly an organization designed for maximum service and dedicated to total support. And, a function vital to the success of Librascope.

It is also a prime example of the talents, skills, capabilities and dedication that have made our company what it is today.



Gary Rever, Staff Engineer (left), and Eddie Dumaguindin, Engineer.



William Woodham, Electronic Engineer Associate.

retirements



Oscar Schwartz, Quality Engineering, 23 years.



Joseph Dugas, Product Design, 23 years.



Vern Wilkie, Program Management, 26 years.



Jane Owen, Finance, 20 years.



Dan Mange, Product Design, 23 years.



Esther Van Essen, Shipping/Receiving/Transportation, 15 years.

Lyle Hoyt, Manufacturing Engineering, 24 years.



Gordon Madsen New Manager of Telecommunications

Gordon Madsen has joined Librascope as Manager of Telecommunications.



Gordon Madsen

Reporting to Jerry Beushausen, Vice President—Contracts & Administration, Madsen will oversee all communications including telephone systems, FAX systems, Teletype, TWX and Mailroom operations.

A former field engineer for IBM Corporation, Madsen also worked nine years as a communications consultant for AT & T. Most recently, he was sales manager for an interconnect telephone sales and service company in Portland, Oregon.

Madsen, his wife Linda, and son David, have taken up residence in Granada Hills.

Will the real Librascope please stand up!

During recent months, Librascope has been visited by government representatives from nearly a dozen countries.

In addition to representatives of the United States Army and Navy, visitors from Canada, Australia, Japan, Korea, Germany, France, Greece and Denmark have toured our facilities.

Why this international influx of visitors? Simply stated: they've come to look us over; to inspect Librascope's technical capabilities, its offices, manufacturing and inspection areas, engineering and support facilities...even the storage and warehouse arrangements.

And, in case you haven't noticed, they are also looking at us. They're interested in how we work, how we act, how we look. They are also looking at our competition.

All this...to get a better understanding of Librascope's overall qualifications.

Throughout the year, as Librascope seeks new contracts in established product areas and also attempts to strengthen its competitive position in new product fields, your company will be hosting more and more interested visitors.

If we are to be successful in attaining new contracts, these visitors (they are actually survey teams) must report favorably on our qualifications. These qualifications are determined not only by our technical and manufacturing skills, but by our neat, professional appearance as well.

For this reason, the appearance of the Librascope compound—the yards, the buildings, the hallways, your individual work area and you, yourself—becomes

more important this year than ever before.

Good housekeeping practices have always been stressed at Librascope because they promote safety and efficient work patterns. When the visiting survey teams come to look us over, those same good housekeeping practices can help shape a favorable impression of our company.

You can do your part by making certain that you are appropriately dressed for your job.

Let's strive to improve our appearance this year. Let's make sure that when the "real Librascope stands up," we are giving the right impression. It's important to the economic stability and future growth of Librascope.

And, that makes it mighty important to you as well.

Smoker's Clinic At Librascope

A five-day Smoker's Clinic designed to help employees and family members who wish to quit smoking was held March 1-5 at Librascope.

Sponsored by the Company, the program was conducted by the Glendale Southern California Conference of Seventh-Day Adventists.

The program, held after work hours in the California Room, consisted of films, group discussion therapy and special day-to-day instructions. Successful in helping thousands to quit smoking the Clinic provides practical, workable ideas on how to get rid of the "nicotine urge."

Thirteen employees and family members attended.

Librascope Exhibit



Librascope products were on display recently at the Armed Forces Communications Electronics Association conference, held at the Disneyland Hotel in Anaheim. Here, Ken Luther, who managed the exhibit, explains the RD-433 Mass Memory to military attendees. Librascope's new company film was also shown during the conference.



Karen Rosoff and Leo Heinz of Bldg. 17 were among the donors during the last visit by the Red Cross Bloodmobile. It was Karen's first blood donation and obviously cause for celebration. Leo — looking on approvingly — is a regular donor. Over the past 25 years he has personally donated more than 50 pints; has recruited members of his family as donors, and even plans to continue donating to the Librascope blood bank after retirement.

55 Donate Blood

Some 66 employees answered the call for blood donations when the American Red Cross Bloodmobile visited Librascope February 1.

Eleven of the prospective donors were deferred to a later date because of illnesses, but 55 donors were able to contribute blood.

According to American Red Cross coordinator Audrey Earushaw, the turnout of potential donors at Librascope has been good over the years.

"Librascope employees have always responded well to this vital community service, and we deeply appreciate it," the Red Cross representative said.

The next Librascope Blood Drive is scheduled October 11, 1982.

Libravets



Robert McFarlin
35 Years
Mfg. Engr.



Henry Hamlin
25 Years
Machining



Charles Brennaun
25 Years
Contracts



Herb Jacks
20 Years
Reliability
Assurance



Helen Esposito
20 Years
Contracts



Seymour Klein
15 Years
Product
Design



Albert Wilson
15 Years
Stores

Not Pictured:
30 years — Lois Cansler and Helen Palmore.
20 years — Betty Cardona
15 years — Terrance Wahlberg,
Albert Peppi and Melba Puryear.

More Libravets:
10 years — Edward Chan, Richard King, Barry Commons, Oscar Jimenez, Shirley Richards, Yolanda Butera, James Collins and William Blakely.
5 years — Kyung Lim, John Kelley, Charles Devine and Barbara Parker.



Into piggy banks?

Fine! But when nickles and dimes won't do, join the Payroll Savings Plan.

Save big money the EEasy way, with U.S. Savings Bonds!

Annual Charity Drive

Employees Donate Funds to L.A. Childrens Hospital

Librascope employees opened their hearts and wallets over the Christmas season, donating some \$947 to the Social Service Fund of the Childrens Hospital of Los Angeles.

The donations were part of the annual Christmas Card Charity Drive established at Librascope more than 20 years ago.

The annual drive was first suggested as a substitute for the exchange of Christmas cards between employees. Since its first year of operation, employees have contributed

more than \$30,000 to various local charities.

Childrens Hospital has been chosen as the recipient for Christmas Card Charity Drive donations for the past several years.

The hospital's Social Service Fund, which received the donations this year, provides special non-medical needs for patients. For example, it provides wigs for cancer victims, special orthopedic shoes and/or appliances, special transportation needs and special lessons to help meet the physical and emotional needs of accident victims.

New Faces — Engineering



Among the many new faces in Engineering these days are (left to right) Raymond Esquerra, Benjamin Sloninsky, Mike Breen and Harvey Geminder.