

General Electric Trio To Conduct "Value Analysis" Seminar Here

"Value Analysis and Engineering," a product improvement and cost reduction concept developed by General Electric, comes to Librascope next month in the form of a two-week seminar.

The course, running from Wednesday July 6 through 19, will be conducted by G.E. Analysis Specialists Alan Taplow, John Williams and Glen Hart. Thirty-one Librascope employees will participate in the seminar.

FROM a rather broad approach, Value Engineering is a process of getting something less expensive—with the required reliability—to do the required job. For General Electric, the pioneers in this field, it has a very substantial dollars and cents basis.

Using dozens of teams of competently trained Value Analysts, G.E. production is now geared for reducing the costs of a product to an absolute minimum with no decrease in quality. In more concrete terms, G.E. has 120 full-time analysts in its many plants, each of which is expected to save his plant an average of \$200,000 a year.

THIS IS WHAT Value Engineering can do, but what is it and how does it operate? Basically, the Value Analyst takes a long, hard look at a part or component in the light of these critical questions: What is the part? What is its function? What does it now cost? What else would do the job, and what would that cost?

The function of the group is different than that of a cost-reduction operation in that it tries to analyze and apply its critical procedure at the point of design. The Value Analyst is expected to bring into a project new information on materials, processes and functions. He puts the dollar sign into value improvement opportunities, with cost advantages to the designer, the production engineer and the buyer.

FOR THE JULY seminar, the participants will be divided into teams of three and will apply this new concept of evaluation to a number of already existing Librascope-designed components on the basis of a function—cost relationship. The teams will be composed of personnel from Engineering, Production and Purchasing departments in

an effort to give a full evaluation of each component under study.

The twelve selected from Shipboard will include: Mark Allison, Anthony Falco, Byron Hayworth, Herbert Hansen, Virgil Jewell, Paul Kreinbring, Fred Kolm, Buzz Newman, R. P. Schleicher, Charles Sparks, Jim Studdard and J. T. Torbron.

Production's Industrial Engineering Dept. will be represented by Donald Guy, W. T. Holmes, Leroy Johnson, C. A. Keesling, Elmer Pfeiffer, J. A. Rossi, R. K. Smith, A. E. Thompson, Dick Walters and C. M. Watson.

Materiel will send five men to the seminar. They include: L. P. Fatz, Joe Frieberg, V. S. Gillette, Byron Roper and Dick Walsh.

THE BURBANK Branch will be represented by Bob Curran, Leonard Kulesa and Hugh Smith. Design Specialist Joe Riddle from Subroc rounds out the roster for the two-week course.

Date Set for Annual Picnic

The Annual Precisioner picnic for employees, friends and families, will be held Saturday, July 9, at Sunland Park, according to Precisioner President Jim Studdard.

There'll be free rides on ponies, ferris wheels, midjet cars and sundry other entertainment devices for the youngsters — and free soft drinks as well. Admission — by badge—is free, too.

PRESIDING over the food department will be Master Chef John Buckens, Machine Shop, an expert in the barbecue department. Co-chairmen Charlie McKallor and Jim Manley will host the beer bar, aided by a staff of willing volunteers.

A turnout of more than 3,000 is expected. The gates will open at 11 a.m. and close at 6:00 p.m.

Blessed Quiet!

For the first time in years an unusual quiet pervades the working atmosphere in Bldg. 3. The reason: loudspeaker paging for interplant and incoming telephone calls has been discontinued. From now on, says Larry Cahill, supervisor of plant communications, the paging equipment will be used only for emergencies and to transmit lunch and coffee-break signals. The sound-free air is welcomed by all!

Cowan Reveals Relocation of Materiel Units

Future geographical relocation of various units of Materiel, to permit closer integration and liaison between procurement, material and inventory control, receiving and inspection functions in serving the Engineering, Production and administrative departments, were announced this month by Marsh Cowan, Materiel manager.

ON JULY 25, the Purchasing and Procurement Follow-up, and the Sub-Contracts Administration sections will move from Bldg 1 to Bldg 26, at 1000 Air Way. Pending hookup with the main plant switchboard, the units will be reached through a separate switchboard with the number of CHapman 5-8792.

On the same date buyers in the Model Shop area of Bldg 1 will shift to Bldg 17. During August the Materiel Control section, Receiving, outside processing buyers and clerical staff will shift from Bldg 1 to Bldg 2.

FINALLY, completing the move from Bldg 1, Cowan will shift his own office to Bldg 3, preparatory to organizing divisional Materiel staff functions and policies for use in future planning, to accomplish branch organization objectives.

Airborne Group Transfers To Solana Beach

Airborne's building-block computer engineering study and development group is scheduled to move from Glendale to the Solana Beach facility early in July, Project Director Bob Bible announced this month.

Bldg-Eng Cliff Dahl has completed plans for remodeling the group's new home on Acacia street and work was to start as LIBRAZETTE went to press.

SPONSORED by the Air Force, the building-block project aims to develop digital computer capabilities for advanced weapons systems now being planned by the service. The concept represents a big departure from existing computers in many respects, according to Bible, but its manufacture will be similar to the ASN-24 computer.

Bible retains over-all direction of the Centaur project, but the work will be carried on here by a team composed of Bill Scott, assistant project director, Marv Alberda and Ansel Berglund, project managers.

Navy Unveils ASROC As "Deadliest Weapon"; Librascope Role Told

The Navy has taken the security wraps off the ASROC program, on which Librascope has been working for the past three years, and has publicly revealed it as its "newest and deadliest anti-submarine missile system."

As defined by official Navy news releases, ASROC is "a weapons system designed to deliver a range-controlled, rocket-propelled ballistic missile against modern, high-performance submarine targets. Delivered from the firing ship through an aerial path, the missile enters the water close to its target."

"THE ASROC system detects a submarine at long ranges, quickly computes its course and speed, and fires its missile from a 'pepper-box' launcher holding eight missiles. The launcher can cover almost a full circle about the ship, while the vessel remains on formation course."

"The missile can be either a homing torpedo or a depth charge. Either follows a ballistic trajectory after launching, shedding the rocket motor on a predetermined signal, and its air-frame shortly before water entry. When the payload is a torpedo, a parachute blossoms in flight to slow its plunge into the water in the target area."

REAR ADMIRAL P. S. Stroop, Chief of the Bureau of Naval Weapons, described ASROC as "A significant advance in the Navy's anti-submarine warfare program."

ASROC is the product of team effort by the Naval Ordnance Test Station at Pasadena and China Lake; the Minneapolis-Honeywell Company of Minneapolis, as prime contractor and designer-builder of the depth charge; the Universal Match Company's ordnance division, designers and builders of the launching device; General Electric, which designed and built the homing torpedo; the Sangamo Electric Company, which designed the detection system; and, of course, Librascope's Shipboard Engineering department, as designers of the fire control system.

"THE FIRE-CONTROL system marks the first shipboard use of a digital computer," the Navy's announcement said. The computer, as the heart of the system, "receives electrical signals of target course and speed, wind direction and speed, and the attack-ship's course, speed, pitch and roll."

"These signals are used to compute future position of the target, where the launcher should point, and how far the missile will fly. The computer-directed fire-control unit aims the launcher, sets the missile range and fires the missile upon command."

THE NAVY announcement, describing Librascope's fire-control apparatus, declared:

Commenting on the Navy's ASROC announcement, President Lewis W. Imm made the following statement to Librazette:

"Just as the whole ASROC project was a team effort by the Navy, the prime contractor and the sub-contractors, Librascope's design and manufacture of the fire control system was a team effort, too."

"It is impossible to name all who made significant contributions to our effort, but I want to thank everybody who took part in the design, manufacture and support activities. By cooperation they succeeded in creating a design and overcoming interim problems that led to a Navy weapon system vital to the safety of our country."

"The essential value of the digital computer, in addition to its speed in processing combat information, is the readiness with which it can be modified to accept new data. Freed of the necessity to perform mathematical calculations, combat personnel can devote full attention to the making of sound military decisions."

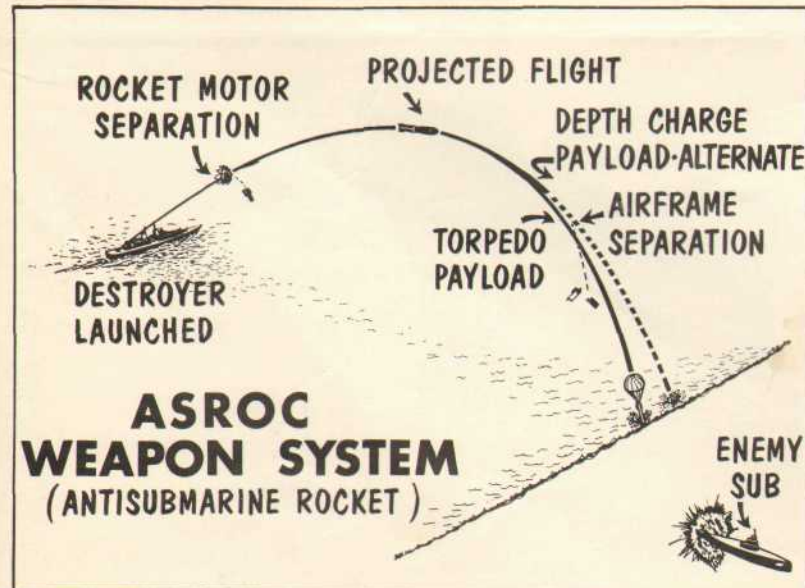
The Navy's announcement, made June 21, followed a successful completion of a two-month evaluation program by BuWeaps aboard the Destroyer-Leader USS Norfolk. Librascope personnel from Shipboard and Field Operations took part in the tests and directed the installation of the fire control apparatus.

Hewitt Recovering Following Stroke

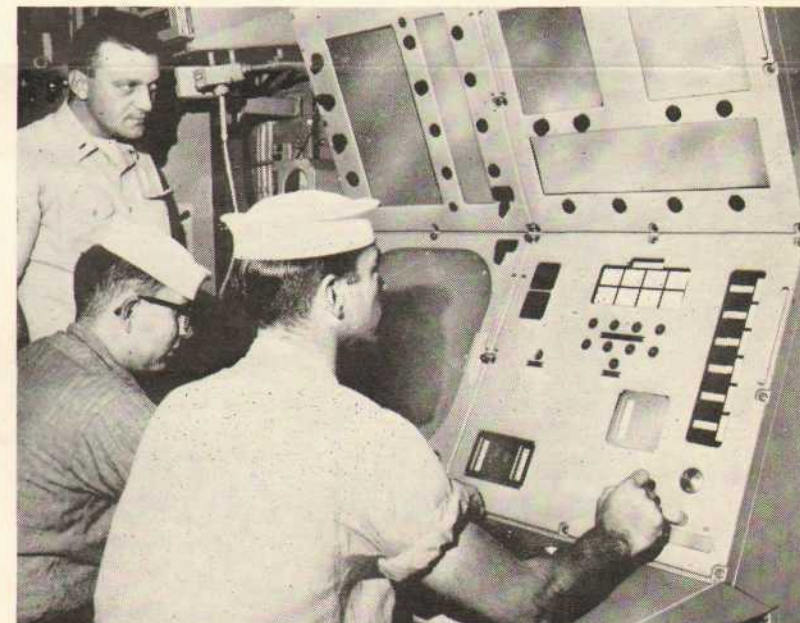
Leland Hewitt, veteran business agent for Precision Lodge 1600, International Association of Machinists, is recuperating at his home following a paralytic stroke suffered several weeks ago.

A frequent visitor to Librascope, where he represents union members in dealings with management, Hewitt is a well-known and respected figure to hundreds of Librascopers.

During Hewitt's illness his responsibilities are being handled by Business Agent Al Hammond, a one time Librascope machinist, who has been assigned to the post by District 94, IAM.



HOW ASROC MISSILE gets to target is shown in this copy of an official Navy drawing. Kept under close wraps of secrecy during development, drawing is first official revelation of weapon's nature, answers questions of many Librascopers who worked on fire control system.



ASROC COMPUTER attack console, with significant information read-out devices obscured, is shown here in official Navy photograph. Control center of ASROC fire-control system, the console visualizes target course and speed, and attack ship's course, speed, pitch and roll.



A SUBROC Spares Analysis conference, sponsored by prime contractor Goodyear Aircraft Company, was held here last month. Military as well as civilian agencies were represented. Seated from left to right: Duane Hague, Goodyear; Ed Pittman, BuWeps; Dick Cairo, Ordnance Supply Office; Jim Manotti, OSO; Bill Don-

lan, OSO; Joe Eisenberger, OSO; Bob McDonald, Librascope. Standing left to right: Charles Wilson, Naval Ordnance Lab; Don Torrance, Librascope; Chuck Baumgard, Librascope; Ben Lapenta, BuWeps; Bob Mothersbaugh, Librascope.

McIntyre Appointed Chief Engineer At Elmsford, New York, Facility

Staff Engineer Bob McIntyre of Airborne Engineering has been appointed Chief Engineer of Librascope's new east coast engineering facility in Elmsford, N. Y., and will take over his new post early next month.

Announcement of McIntyre's appointment came from Ralph Barnett, vice president in charge of Librascope's east coast operations, and resident representative at GPI headquarters.



THE NEW FACILITY will be devoted to special modifications of Burbank's new RPC-4000 and RPC-9000 computers, to fit requirements of customers, and

to the rebuilding of LGP-30 computers as they are returned from leasing firms. It is expected that the initial staff will number 25-30 electronics engineers and technicians.

The new chief engineer joined the then electronics department in 1952, shortly after graduating with a BS-EE from Cal-Berkeley, shifted to Airborne when the major engineering groups were established as separate departments.

McINTYRE, A SPECIALIST in logic design, worked on that phase of the design and development of the CP-209, ASROC, the X-407 and Centaur modification of the ASN-24 digital computers. He is an Army veteran of World War II, saw service overseas on Okinawa with an anti-aircraft unit.

It was after release from the Army that McIntyre, newly-married to the former Miss Gloria Stephens, decided to become an engineer. He enrolled at Michigan State University, later transferred to Cal-Berkeley, meanwhile becoming the father of a daughter, Bonnie, now 13. He subsequently spent two years in graduate study at UCLA, after joining Librascope.

THE McINTYRES, who also include Stephen, 6 years old, expect to be firmly established in a new home, possibly in Chappaqua, N.Y., by the time the Fall term of school opens. An avid gardener, McIntyre regrets that dichondra lawns ("best in our block up on the hill in Glendale") don't do well in New York.

The Security Office, heretofore in Bldg. 5 on Flower street, has moved. The new location is in Bldg. 19, the small, bungalow-type structure on Air Way, just west of Bldg. 21. Telephone numbers of Security Officer Don Knox and his staff remain the same as in the new directory.

Strong Appoints Hamrick, Schuster To Training Staff

Two additions to the Training staff were announced this month by Wayne Strong, Personnel's director of training. They are:

DON SCHUSTER, assigned as a training coordinator. A native of Manistique, Mich., Schuster joined Librascope from the military electronic computer division of Burroughs Corp., Detroit, where he was training and community relations coordinator.

Schuster is a 1951 graduate of the University of Detroit, where he majored in sociology and English. As a Navy V-5 cadet he also attended Iowa State, the University of Kansas, Northwestern University, St. Paul's and Gustavus Adolphus colleges.

Schuster also has a background in training work at the Ford Motor Company, Kaiser Aircraft and the Chrysler Corp., plants in the Detroit area. He has been assigned to supervisory training here.

BILL HAMRICK, who has been a test equipment technician in Reliability for the past 20 months, transferred to Training as a special course instructor.



Holder of a B/S degree in Education from the Southeast Missouri State College, Hamrick is a native of Cape Girardeau, Mo. He majored in industrial arts.

Before joining Librascope Hamrick was a machinist for three years, a draftsman for one year and an electronics technician for five years with Hoffman Laboratories, Lockheed, Menasco and International Rectifier Corp.

Hamrick will conduct training classes in soldering, general electronic theory and blue print reading.

Librascope Hosts Spares Analysis May Conference

The necessary flow of spare parts from contractor to customer was up for considerable discussion at the recent SUBROC Provisioning Conference, sponsored by Goodyear Aircraft and hosted by Librascope.

Of particular interest to the group was Spares Analyst Bob McDonald's newly designed lightweight shipping units in which the intricate and sensitive parts that support the fire control instruments are shipped to the customer.

LIBRASCOPE and Goodyear, along with three governmental agencies, were represented at the conference. Librascope personnel attending were: Chuck Baumgard, Supervisor Spares Analysis; Bob McDonald, Spares Analyst; Don Torrance, Spares Coordinator; Bob Mothersbaugh, Assistant Supervisor Spares Analysis; Jerry Deitz, Director, Digital Engineering Section; C. C. Buterbaugh, Project Engineer, Shipboard; and Barry Kusnick, Engineer, and Bud Edwards, Design Specialist, Special Devices.

TWO GOODYEAR EMPLOYEES, Duane Hague, Section Chief, Spares Sales and Lloyd Schopp, Special Design, were in attendance. BuWeps (Bureau of Weapons) sent Branch Manager Ed Pittman and Ben Lapenta, Chief of SUBROC Fire Control Section. Those from Ordnance Supply Office included: Dick Cairo, Item Identification and Equipment Specialist; Jim Manotti, Supervisor Equipment Specialist; and Bill Donlan and Joe Eisenberger, Equipment Specialists.

Members from the Naval Ordnance Lab attending were: Charles Wilson, SUBROC Senior Assistant Project Manager; Robert Lewis, Project Engineer; and H. F. McClellan, Project Engineer.

Librascope Exhibits at Electronics Convention

Librascope will be represented with an exhibit at the Fourth National Convention of Military Electronics June 27-29 at the Sheraton Park Hotel in Washington, D.C.

More than 100 companies are scheduled to display the latest in military components and equipment at the convention, sponsored by the Institute of Radio Engineers.

Dean Johnson, Manager Trade Shows and Exhibits, reports that Librascope will occupy booths 26 and 27.

Military Sales Forms New L. A. District Office

Reorganization and expansion of the Military Sales department under its new director, Bob Williamson, has resulted in the formation of a Los Angeles Area Sales Office, which shortly will be established in quarters near the International Airport.

Named to head the new activity is F. C. "Chuck" Milner, a member of the Military Sales staff since April 4, 1955. The new office replaces the former Glendale Military Relations office and will have considerably expanded responsibilities. It will be located in the brand-new Airport Arcade Bldg. at 8820 Sepulveda Boulevard.

MILNER WILL HEAD a staff of four, including Ed Forgey, veteran Librascope, Lloyd Ward, recently transferred from the Sunnyvale branch, Herb Holley, who joined Librascope last month and a fourth man to be named later.

Prime purpose of locating the new office in its new location is to place it near present major customers, such as Douglas, Hughes, AF Ballistics Missiles Division and others in the airport complex. The same building also will house West Coast offices for the FAA and other organizations identified with aviation and missilery.

MILNER, an engineering graduate of Michigan State, formerly was an ordnance engineer with the Redstone Arsenal, who also was on the missile engineering staff at Convair. His background also includes work as Signal Corps



liaison officer with Redstone and experience in sales with the National Cash Register company. He is a veteran of the Army's Signal Corps in World War II.

HERB HOLLEY, a systems specialist, came to Librascope from the Radioplane division of Northrop Aircraft, where he was supervisor of engineering reliability, as well as engineering specialist in the systems and electronics departments. Originally an aeronautical engineer, Holley also has been a project engineer with Lear, Inc.,



and a design engineer with Lockheed. He is a product of UCLA, is married and lives in Granada Hills with his wife and four sons.

LLOYD WARD, who joined the Sunnyvale branch in Nov. 1958, is an M/E from San Diego State College, who has been working as a field and applications engineer on Sunnyvale's EBW systems projects.



Before joining Librascope Ward was with Coleman Engineering, Whittaker and Convair, as a test engineer in research and development activities. He is married, and the father of three teen-age sons, makes his home in Hollywood.

ED FORGEY is well known to all Librascopes who have been with the company since the end of World War II. Starting out as a machinist, he has been an optical instrument maker, assistant foreman and foreman in Production and a senior production engineering associate.

Beverly Schutte, now a stenographer in Military Sales' Glendale headquarters, will transfer to the new office and serve as office secretary.

Russell AFCEA Director

Jim Russell, staff military advisor in Special Devices, was elected to a three-year term as a director of the Armed Forces Communications and Electronics association last month. AFCEA is a national group composed of leaders in the communications, electronics and photographic fields and works to maintain effective liaison between industry and the armed services in the design and manufacture of communications equipment.

CREDIT UNION HOURS
11:30 a.m. to 12:30 p.m.
4:00 p.m. to 4:45 p.m.
Tuesday through Friday



CLASSIFIED MATERIAL burning. Irene Moreno, Document Control, hands sack of carbons, typewriter ribbons and other items used in typing classified documents, to Harry Callahan, as Guard E. C. Perkins looks on. Callahan burns such material as part of Security program to safeguard information. (Jim Avera photo)

Turnaway Crowds at Blood Bank; Bloodmobile Plans Second Trip

The 1960 Librascope Blood Bank was an unqualified success, Chairman Charles McKallor reported to the Precisioneers, sponsors of the annual drive. A total of 310 Librascopers pledged to give their blood—far more than could be accommodated.

Some 164 employees from Glendale and Burbank were chosen as donors by Plant Nurse Mary Snyder and the Red Cross organization. Twelve who had signed up were regrettably declined—for this time—because they were under the medically-acceptable age of 21. Four others were temporarily rejected because of late-developing virus infections.

REMAINDER of the huge volunteer group has been placed on the reserve list, subject to future call. They will form the nucleus of a

Four of the founding members of the Librascope Blood Bank turned up, for the eighth successive year, to give their blood once again. They are: Crystal Bowhay, Prototype Shop; Maurice Kimmel, Burbank personnel manager; Fred Killips and Bruce Shearer, Material Control.

planned second visit of the Bloodmobile some time during December. At present this visit is scheduled for Christmas week, a time of critical need in Red Cross experience.

The large turnout brings Librascope's blood credit up to a new high and wipes out a deficit of 12 pints created by heavy demands from Librascopers who were hospitalized during 1959. With our own supplies exhausted Librascopers have been enjoying the benefit of

the Precisioneers' affiliation with the Red Cross. The Red Cross has made available to us any amount needed at any time.

ORGANIZATION and operation of this year's drive was the subject of a congratulatory letter to President Lewis W. Imm from H. C. Johnstons, regional field representative of the Red Cross national blood service. He singled out Plant Nurse Snyder, Chairman McKallor, Art Pederson, supervisor of employee benefits and services and Precisioneer President Jim Studdard for their efforts.

In commenting on the results of the drive Studdard told LIBRAZETTE:

"The response from everybody, our Precisioneer board, the building representatives and the group of solicitors they organized, was terrific. The drive would not have been the success it was without the whole-hearted cooperation we received.

"And the 164 of our fellow workers who gave their blood. What can you say in thanks to people who have made the gift of life itself?"

LIBRAZETTE will try to express those thanks in another section of this issue. There you will find the members of the 1960 Roll of Honor—the givers of life to their fellow workers.

Librascopers Make 'Gift of Life'



THE BLOODMOBILE visit to Librascope brought out a record crowd of donors to the field house in Griffith Manor Park. At upper left, Dick Dodd lies on a cot as his donation is withdrawn. Upper right, Burbank Personnel Manager Maurice Kimmel and unidentified girl staffer get a pre-donation check. Second row, left, Georgia Graves receives her gallon-donor pin from Mrs. Elmer Thomas, Red Cross blood service chairman. Second row right (top) Librascopers wait to be called and immediately below, others take on a bit of added

nourishment after making their donations. Third row, left, Red Cross technician Earl Stroud stores Librascopers' donations in Bloodmobile refrigerator. Third row, right, Plant Nurse Mary Snyder, Mrs. Thomas and Blood Bank Drive Chairman Charlie McKallor pose for the news camera. Bottom row, more of the several hundred donors waiting for their turn to give blood. Bottom row, right, Cora Christopherson smiles as she makes her gift of life. (Jim Avera photos)

1960 Blood Bank Roll of Honor

Nora A. Ahlers
Frank D. Allen
Lena S. Allen
Don L. Askerman
Thomas Badillo
Morris M. Birnbaum
Bette J. Busch
Robert P. Caffrey
Richard J. Carboni
Carolyn J. Cardozo
Marvin R. Carpenter
Philip S. Carpenter
Mervin C. Cassatt
Paul Castiglione
Patricia A. Cheney
Cora L. Christopherson
Charles E. Clemens
Betty M. Clement
Phil Cohen
Bill Coleman
George A. Connell, Jr.
Jim Conway
Earl Crawford
Harold L. Davis
Lloyd E. Davis
Ronald L. Dearing
Victoria DeLa Cruze
Ralph B. Delle Fave
Terry L. Dixon
Ron Dobstaff
Richard E. Dodd
Hironi Dote
Irwin Dubinsky
Jim Earley
Merrill M. Eisenberg
Calvin C. Elder
Jerry L. Emery
John W. Erickson
Jim Fallet
Daniel E. Fedele
John T. Fleischer
Charles E. Flickinger
Phyllis R. Fogle
Charles Garrett
Truman Gee
Eunice M. Geiger
James L. George
Norm Gillette
Rose L. Gitomer
Violet Geogan
Ernest Gogolya
Beatrice Gonzalez
George Gram
Georgia Graves
Clifford Gregg
Richard Guzman
Blanche Hancock
Edmund Hartwig
Leo Heinz
Edwin Heminger
Gerry Henshaw
Vera Hoehn
Barbara Holcombe
Gordon Hoobler
Ben Howard
Sally Hurwin
Don Isbell
Steve Jackman
Frank J. Johnson
John E. James
Patrick Keegan
Thomas J. Kelly
Albert Kettner
Fred Killips
Maurie Kimmel
Dick Knight
Ted Kolb
Dick Koslowski
Rafael Landau
Marguerite Leahy
Bob Lee
Bob Levine

John Lincoln
Howard Little
Margaret McCarthey
Andrew McFarlane
Charles McKallor
Richard J. Martin
Carl Matschke
Billy A. Matthews
Joyce Mattier
Bob Megee
Herbert Meyer
John Mielkus
Jean L. Mitchell
James J. Murphy
Richard H. Myers
Gordon Nash
Waldo Nelson
Tom Netterfield
Ellsworth Newman
William E. Newman
Anthony Nicastro
Maria Nyholm
Fred Oishi
Sheldon Olney
George A. Parkins, Jr.
Raymond Paul
Helen Perez
Bruce C. Perkin
Hugh Pervorse
Caswell Phillips
George Plate
Paul D. Prew
Stephany Preyborowski
Bob Putnam
Leonard Rado
Bill Reinholtz
John E. Resendez
Bob Reuben
Gene L. Rogers
Jan Rosdorff
Bob Rudolph
Roger St. Clair
Harvey Saltz
Ray Sanchez
Bill Sauber
Roy Scott
Bruce Shearer
Carolyn Shields
Ben Shindell
Voyle Sipes
Harold Skinner
Jacob L. Smith
Jerry P. Solomon
Helen Soulas
Ed Stanek
Hester Stanley
Wes Stupar
Joe Suttill
Lorenzo Swain
Nancy Talbert
Harold Tokunaga
Albert E. Thompson
Eduardo Torres
William A. Tracy
Arville Trostrud
William J. Tuttle
Ernst Ulrich
Darrell Underwood
Art Van Essen
Bob Vanovick
Grace Vessella
Robert C. Walker
Willis F. Wells
John E. West
Aula M. Willia
Dolores Wilmington
Ronald Wray
Howard Williams
George P. Wright
Frank Yapp
Sam Zarkin
Louis E. Zbylut



CIRCUITRY CHECK—Checking master layouts of circuits for correct dimensional specifications is one of many inspection techniques. Photo plates are later made from the master layouts. Here Ed Feltz, senior photo retoucher (l), and Pat Watson, photo plate clerk, discuss a master layout, located on a light table.



RECEIVING INSPECTION—Serge Diloires, precision electrical lead man, inserts a tachometer into the temperature chamber of a tachometer test stand, located in Bldg. 1. The tachometer, supplied by one of Librascope's many vendors, is given a functional test at 75 degrees C. All incoming materials are inspected by Quality Control.



ELEVATED POSITION—Records keeping is essential to any successful operation, and Quality Control is no exception. Linda Steele, general clerk, checks for one of Receiving Inspection's 7500 data and specifications files. Inspection instructions and drawings are part of information stored in the files.

The Quality Control Story

A shiny new computer is hauled out from an assembly building into an open area. Several men eye the computer carefully, unwind a water hose, then douse it with a heavy stream of water.

Capricious? Or maybe angry? Not at all. The men were conducting an inspection test, one of the many performed by the Quality Control Department on Librascope's many and varied products.

In this case, the water test was carried out to see if the new computer has the required water-proof characteristics under severe and actual conditions. And it is Quality Control's job to assure both management and the customer that all Librascope products conform to traditionally high standards.

Dave Harrison, Quality Control Manager, says that attaining all specifications and standards—predetermined by both customer and management—is no school-boy task in the effort to achieve quality.

Because of the complexity of today's products and manufacturing techniques, the rigid performance requirements and short production runs, quality control is an extremely exacting function, and one that extends from the very design stages of a product to the final act of shipping and delivery.

"Nothing," Harrison says, "is left to chance where quality is concerned. Quality must be attained in the tiniest diode as well as the largest computer or system. And quality is not inspected into a product. It is designed and built into it. It is up to every person involved in the entire manufacturing process to contribute the excellence of workmanship that creates quality."

JUST WHAT IS QUALITY? Like beauty and truth, an attempt to define it more often than not results in conflicting opinions. According to Webster, quality is a characteristic, and consequently can be good, bad or indifferent.

From Quality Control's standpoint, quality is the distinctive characteristic of excellence in a product. It is achieved by meeting all specifications and standards set down in the initial design of the product, and is manifested in the product's design, reliability, workmanship, functional quality and appearance.

How the Quality Control Department makes sure that quality is achieved is the story of thorough and painstaking inspection techniques, team work in inspection, engineering and production operations, and applied knowledge in a staggering variety of complex manufacturing and assembly processes.

"The key to achieving quality," Harrison states, "is control. Control points are set up along the entire spectrum of the manufacturing process, from the sources of raw material to the final packaging and shipping operations."

THE CONTROL MECHANISMS INCLUDE: source of supply approval, incoming and in-process inspection, material identification, changes, checks for discrepancy in materials, calibration of test equipment, the keeping of accurate records and final inspection and adjustment.

In addition, controls are set up on the interaction of all factors in the production process that affect quality, such as time, temperature and pressure; on written communications, such as the quality control instructions that guide inspection; and on corrective actions to probe and minimize errors.

To implement its program, Quality Control operates with a staff of some 240. Inspectors number more than 180, quality



ADMINISTRATION—Heading up intensive operations in assuring quality is Dave Harrison (seated). He is shown here with Bill Hibbard (l), technical assistant to the manager of administrative assistant to management.



Q. C. ENGINEERING HUDDLE—Quality Control's functions is the development of quality control instructions. Huddling sessions are (from left to right) Q.C. engineer and John Johnston.

control engineers over 40, and the remainder.

The quality control function begins on the drawing board. The design groups, prepare quality control instructions that lay down the inspection requirements for the manufacturing process.

THE FUNCTIONS OF THE QUALITY CONTROL DEPARTMENT are there.

They also inspect the product in planning test equipment, making sure standards are being met by the personnel, are in charge of some of the vendors and subcontractors.

One of the prime tools used by the Quality Control Department is the inspection. For Quality Control, nothing is too simple nor too complex to inspect.

Whether checking for tolerance with an electronic indicator, or for the correct wiring on a matrix section, the inspector is always looking for the right answer.

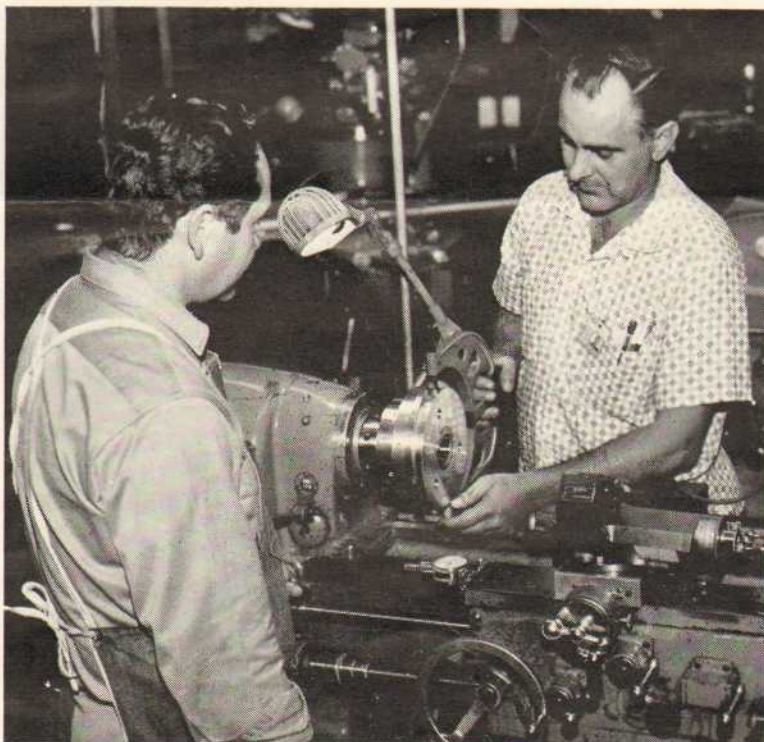
Broadly speaking, there are three types of inspection: mechanical, electrical and optical.

An electrical inspection may involve the entire computer, a mechanical inspection may check out the entire optical system, and an optical inspection may check out the entire optical system.

The inspection techniques vary, and the components vary.

To test for bond strength an electrical section of a circuit is used. In this test, the copper is etched to determine the actual number of layers from the base laminate.

MECHANICAL TESTS ARE performed with a variety of gages. The



PROTOTYPE CHECK—When prototypes of Librascope's products are in varying stages of development, Quality Control carries out the all-important inspections. Paul Cain (r), an inspector, measures the interference fit of an end bell for a computer drum shroud. Joseph Vanek, experimental machinist, is at left.

: Excellence Is the Byword



Quality Control Department's ex-
y of Librascope's products is Dave
conferring with his top assistants,
o manager, and Don Derrington (r),



one of the earliest steps in Quality
nt of inspection procedures—called
over the drawings of a new product
Engineers Tom Randall, Sam Baker

administrative personnel the

in the early stage of design
e QC engineers, working with
ity control instructions—docu-
tion techniques for the entire

QC ENGINEERS do not end

in the prototype stage, assist
ke sure that specifications and
oth production and inspection
ce control, and aid in selection

Quality Control is inspection.
s too small nor too large, too
ct, Harrison says.

nces of 0.000010 inch with an
orrect placement of a maze of
epartment has found a way to
r better ways in the process.

three kinds of inspections—
l.

heck for correct circuitry of an
pection may measure the ex-
ase, and an optical inspection
system of a periscope.

y as much as the products and

adhesiveness of copper on the
board, a destructive-type test
is pulled at right angles to de-
mands it takes to pull the copper

PERFORMED in many ways
urface of a flat plane, for ex-

ample, can be measured to 0.0000116 inch by use of an optical flat, a super precision instrument that measures with light waves.

In many cases, a mechanical inspection kills two birds with one stone, so to speak. Both a part and the tool used to build the part can be inspected in one operation.

Because of the complexity of Librascope's products and the intricate workmanship required to produce them, inspection problems are numerous and never ending.

For example, dust particles on a sensitive instrument can seriously hamper the accuracy of measurement or function. The answer? Rigid control of the environment, resulting in a room completely free of dust. Such a room is located in Bldg. 2.

SINCE QUALITY IS DETERMINED to a significant extent by the material that goes into products, Quality Control's work in materials and source control cannot be understated.

In conjunction with Engineering and Purchasing, the department checks out and approves the sources of supplies and maintains harmonious relations with the vendors.

Material review is another key method of controlling the materials that eventually make up Librascope's products. If, during production, it is found that a material does not stack up to specifications, Quality Control rejects it.

When a question arises about whether or not rejected material can be reworked to specifications, a Material Review Board—composed of an engineer, a customer representative and a QC representative—conducts a thorough investigation of its own and makes the final decision.

THE END RESULT of Quality Control's work is, of course, reflected in the products. A fitting testimonial to QC's efforts is the reputation Librascope maintains for products of high quality. And it is also a testimonial to the teamwork displayed in the entire design and manufacturing process.

Just how well Quality Control is assuring quality was recently summed up by Capt. G. L. Heap, Assistant Chief of Naval Material, Office of Naval Material, Washington, D. C.

In a letter to President Imm, Captain Heap praised the work of Quality Control.

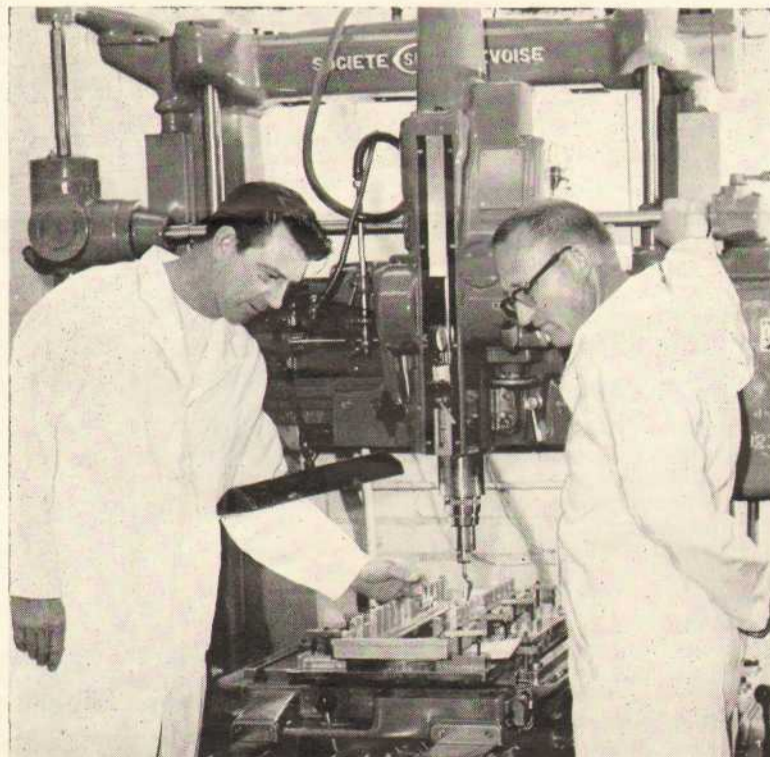
"Considering the importance of dollar value of your products," he wrote in part, "it is understood that the Navy's inspection force is one of the smallest in the United States. . . .

"Our small representation at your establishment is in direct contrast to that which we must place with marginal suppliers. In many cases, a relatively large outfit cannot fully insure that the government receives quality material in accordance with specifications on time and suitable for the purposes intended. It is difficult to inspect quality into material. It has to be built in by an organization responsive to ideals such as yours and monitored by a group such as Harrison's."

ASSISTING HARRISON in the QC operations are Don Derrington, Administrative Assistant to the Manager, and Bill Hibbard, Technical Assistant to the Manager. Bill Waterhouse is QC's Administrative Assistant.

Quality Control Engineering supervisors are: Russ Hofgren, manufacturing area; Carl Cisco, components; and Harrison and Hibbard, who double as supervisors in projects and services, respectively.

Bill Giles is general foreman of Receiving Inspection, and Paul Metzger is general foreman of In-process Inspection.



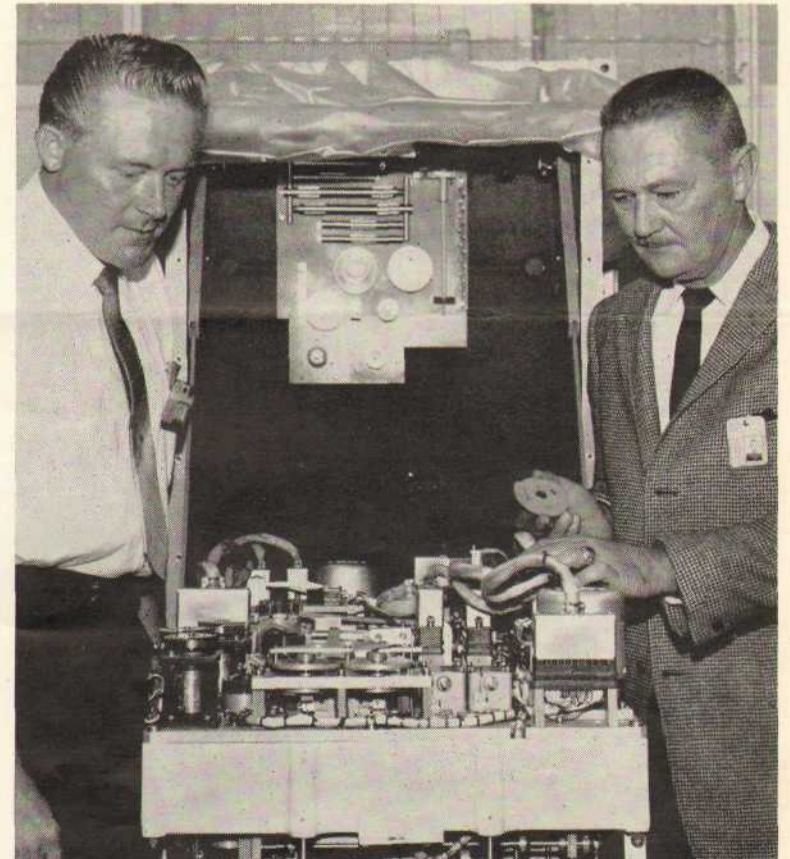
DUAL INSPECTION—Inspection of a part and the tool used to build the part is often accomplished at the same time. Here the dimensions of a SUBROC casting and the tool used to machine it are inspected with a jig bore machine by Inspector Fred Jensen (r), while Charles Pierson, jig bore machinist, observes.



MILLING CHECK—Inspection of in-process work is a prime and exacting function of Quality Control. Ted Cherry, surface plate inspector, checks the milling of a computer panel cover with a plate check gage. The gage is one of numerous devices used for inspection.



COMPLEX BUSINESS—The maze of wiring on a computer matrix is systematically checked by Quality Control. Typical of the matrices inspected is an ASROC matrix section, shown above. Irene Pekarick, general assembler, is doing the wiring.



THE LAST STEP—Quality Control stays with a product down to the final adjustment and inspection. Here, Al Castle (r), Quality Control project engineer, inspects a ballistic machine cam to be inserted in a Mark 17 computer. Willard Mather, adjustment department foreman, is at left.
(Jim Avera photos)

June Graduations Bring 23 New Engineers to Librascope

The traditional march of June graduates from college campuses is under way, and the first of 23 who have chosen Librascope careers are now beginning to report.

The 23 graduates—all men and all engineering, mathematics and physics majors—were recruited during the academic year by Personnel's recruiting teams, who visited every major western college in their search for talent.

THE COLLEGIANS hail from as far away as the University of Wyoming and the University of Texas, and from as near as Los Angeles State College, UCLA and USC. In all, 13 colleges and universities are represented.

The first graduates reported June 13 and the last will report September 1. Seventeen are reporting this month, two in July, three in August, and one in September.

The men, recruited on the basis of their potential and interest in Librascope's fields of operation, are assigned to departments of their own choice. Airborne is scheduled to get the bulk of graduates—14 while Engineering Services, Quality Control, Shipboard and Special Devices are assigned each two, and Industrial Engineering one.

A COMPREHENSIVE, two-week training and orientation program, instituted this year under the direction of Lloyd Considine, Training Coordinator, will introduce the new group to Librascope.

The training program, which began June 20, will familiarize the new employees with the entire spectrum of Librascope's operations, products and goals.

Included in the program will be extensive plant tours, briefings on the state-of-the-art in fields of Librascope's activities, demonstrations of products, oscilloscope training, small group talks with engineers in all major fields, explanation of contracts and bids, and indoctrination on production and manufacturing methods.

UPON COMPLETION of the training program, the new Librascopers will report to their assignments.

Of the 23 graduates, 20 hold B.S. degrees in electrical engineering, and one of these—Vincent Scarich from Cal Berkeley—has a master's in business administration, as well.

One graduate holds a B.S. degree in mechanical engineering, one a B.A. degree in mathematics, and one a B.A. degree in math and physics.

UCLA and the University of Wyoming, the records show, furnished the greatest number of graduates—three each. USC, Cal Berkeley, Washington State College, and the universities of Colorado, Texas, and Oklahoma each contributed two. Cal Poly at San Luis Obispo, Los Angeles State, Oregon State

and the universities of Arizona and Utah furnished one each.

Following are the new Librascopers, listed by assignment:

AIRBORNE: Michael Cianciola, BSEE, UCLA; Donald Gallop, BSEE, Oklahoma; Ronald Helms, BSEE, Wyoming; Thomas Hilton, BSEE, Utah; Elbert Johnson, BSEE, USC; Virgil Lemley, BSEE, UCLA; Robert McKinstry, BA Math and Physics, WSC; Irwin Maltz, BSEE, UCLA; Lorey McGlinchey, BSEE, USC; Thurlie Schindler, BSEE, Oregon State; Anthony Stankus, BA Math, Cal Poly; Don Whelchel, BSEE, Oklahoma; Kenneth Wolfe, BSME, L.A. State; Walter Wilcox, BSEE, Arizona.

ENGINEERING SERVICES: David E. Brown, BSEE, Wyoming; Robert Copyak, BSEE, Wyoming.

QUALITY CONTROL: Richard Mielke, BSEE, WSC; Wilbur Williams, BSEE, Texas.

SPECIAL DEVICES: John Smetthurst, BSEE, Colorado; Vincent Scarich, BSEE and MBA, Cal Berkeley.

SHIPBOARD: Marvin Hankins, BSEE, Colorado; Clarence Pruitt, BSEE, Texas.

INDUSTRIAL ENGINEERING: Robert A. Arnold, BSEE, Cal Berkeley.

Fred Rich Joins Auditing Dept.

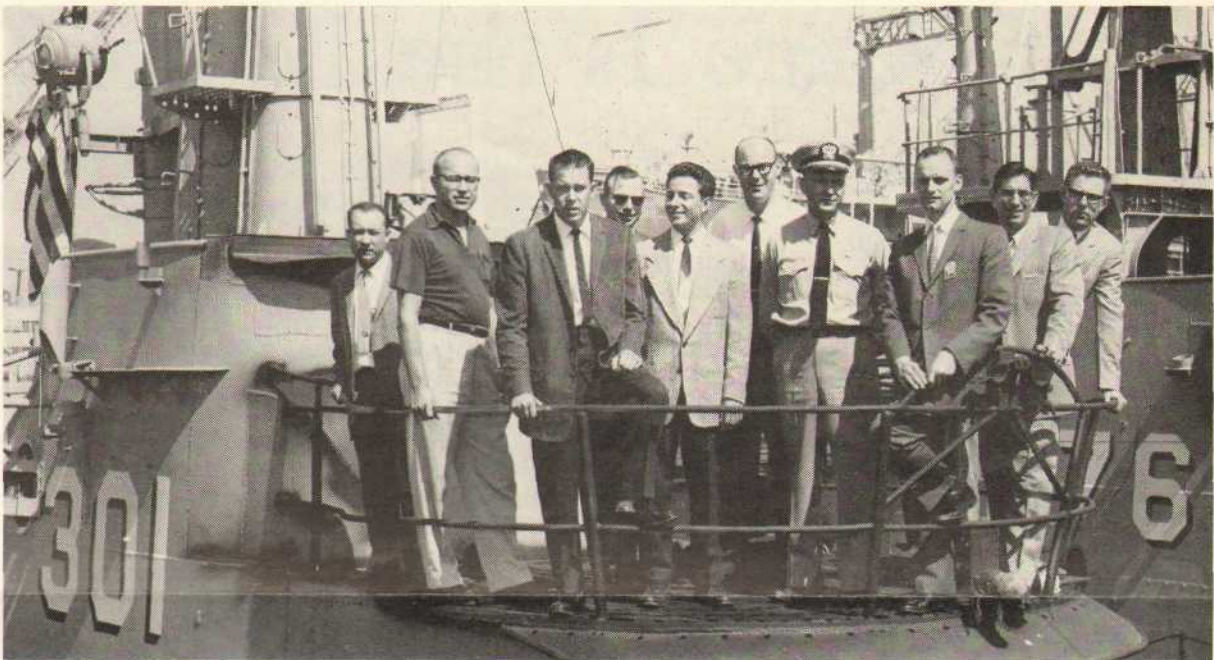
FRED RICH has joined the Auditing Department as an internal auditor on the staff of Bill Bell, General Auditor.



Rich will be primarily engaged in internal auditing, Bell said, but will also perform outside auditing on subcontracts and rate surveys.

A native of Council Bluffs, Iowa, Rich comes to Librascope from Convair-San Diego, where he was a senior auditor. His extensive accounting and auditing background also included employment with Pacific Airmotive and Hughes Aircraft.

He received a BSC degree from Creighton University, Omaha, in 1938, and served with the U.S. Air Force from 1941 to 1952, attaining the rank of major. During his last five years in the Air Force, he served as a supervisory auditor in the Auditor General's Office, Washington, D. C.



SHIPBOARD ENGINEERING group visits Navy's submarine RONCADOR at Long Beach Navy base, to get first-hand experience of environment in which Shipboard devices must operate. (L-R) Cliff Rouseve,

Mike Woyetz, Steve Smith, Ed Wachtel, Dan Craft, Larry Daniels, Lieut. D. E. Upshaw, USN, C/O of RONCADOR, Al Smith, Manuel Prieto and Perry Gluckman. (Crawford photo)

Don't Try to Outdo the Fish, Or How to Have a Safe Vacation

Vacation time is in full swing again, and if you are one of the many Librascopers planning and plotting how to best spend your vacation days, chances are Safety Engineer Bob Lee has a word of caution and advice to help make your vacation a safe and happy one.

Whether you plan to travel, swim, camp out, go boating or just stay at home and mind the dichondra, here are some safety tips to guide you:

IF YOU ARE DRIVING: Have your car checked before you begin your trip; don't hurry and don't drive if you're tired; obey traffic signs; don't drive with a crowded front seat; pull completely off the road when making an emergency stop; don't try to pass more than one car at a time.

IF YOU GO SWIMMING: Don't try to outdo the fish—swim only as far as you know you are able; watch the children in the water; avoid over-exposure in the hot sun; before you dive, check the water depths and look out for underwater obstacles.

IF YOU GO BOATING: Don't load more people into a boat than it will safely hold; once you're seated in a boat or canoe, stay put to avoid capsizing; if you capsize, hang on to the boat until help arrives; be sure your boat has life preservers.

IF YOU ARE CAMPING: In unfamiliar country, be aware of the dangers, such as poison ivy, snakes and dangerous animals; boil drinking water if in doubt; wear the proper clothing; be sure a camp fire is permitted before you light up, then keep it small and guarded and put it out when you're finished.

IF YOU ARE STAYING AT HOME: Don't over-exercise; if you're in the fix-up mood, watch your step to avoid falls; be careful with tools and in the workshop.

A final word from Bob Lee: Whatever you do on your vacation, eat properly and get plenty of rest.

Applications Available On New Scholarship

Announcement of a scholarship in electronic technology worth \$450, open to employees of Librascope, was made this month by the Training section of Personnel.

THE SCHOLARSHIP is offered by Valley Electronics Schools, Inc., in Burbank, and will be awarded on a competitive basis. No previous knowledge of electronics is required and the examination which all applicants will take covers only general subjects at the high school level.

Application blanks may be obtained from Training Coordinator Joe Schwarz in the Training section's new office in Bldg. 3. Deadline for application is July 29.

Philip Wyels Named Senior Engineer In Airborne Section

Appointment of Philip J. Wyels as a senior engineer on the staff of Airborne Engineering, was announced last month by Hank Norris, chief engineer of Airborne.



WYELS, who makes his home in Long Beach, comes to Librascope from Douglas Aircraft where he was a project engineer in the electronic design section, also worked on navigation and bombing systems. He has been assigned to Project Director Charlie Foodim's section to work on systems integration projects.

The new Librascoper is a graduate engineer with a B/S-EE degree from the University of Detroit, also has had two years of post graduate study at the University of California on digital computers and transducers.

Mathematician Cooney To Systems Engineering

Barbara Cooney, new Mathematician in the Systems Engineering Section of Special Devices, will be helping to program the Air Traffic Control Computer, under Section Director Lane Wolman.



MISS COONEY comes to Librascope from Bendix-Pacific where she assisted in the development and analysis of new systems, and was responsible for the numerical analysis on the Bendix G-15 and IBM 650.

A graduate of Immaculate Heart College in Los Angeles, she majored in mathematics and physics.

Henry Travis broadcasts the latest news each morning at 7:30 on Librascope's KHJ-radio program. The dial setting is 930.

Patents Pay Off Under Company's Incentive Plan

In an effort to foster and encourage invention in the design and development of its products, Librascope has initiated an Invention Incentive Plan.

The new policy covers all inventions and employee-inventors named in applications filed since January 1, 1959. Awards are made when U.S. patent applications are filed and assigned to the company. An additional payment is made when patents are issued.

THE MAJORITY of awards to date (over \$1200) has been given for patent applications, most of which are still pending. Since the inception of the program, only one patent has been issued. Rudy Bunt-enbach, Senior Staff Engineer at the Sunnyvale Branch, received \$50 for his invention of a "bridge wire triggered spark gap."

Payments on patent applications range from \$25 each in the case of one or two inventors to a \$60 total if there are three or more inventors. When a patent is issued, one or two inventors receive \$50 each and three or more divide \$120.

These awards apply specifically to all inventions covered under the company's patent assignment agreement. Employees working on projects unrelated to Librascope may, however, seek counsel and evaluation from Patent Attorney George Seevers, in charge of the Patent Section.

Bill Donson Appointed Electrician Foreman In Building Maintenance

Bill Donson, who joined Librascope just a year and a half ago as an electrician, has been appointed Foreman of electricians in Bldg. Maintenance by Building Engineer Cliff Dahl.

DONSON, who makes his home in Granada Hills with his wife, Jean, and three youngsters, is a native of San Bernardino. After attending school there he served in the World War II navy as an EM 2/c. After leaving the Navy he studied at a business college in San Bernardino, then became deputy city treasurer.

Later Donson joined the electrical division of the Los Angeles Dept. of Water and Power, left that organization to join Librascope.



LIBRASCOPE DISPLAY of some of its patent models, is explained by General Counsel Ted Lassagne (1) to Commissioner of Patents Robert C. Watson, (c) and U.S. Secretary of Commerce Frederick H. Mueller. Display was mounted in lobby of the Commerce Building in Washington. (Capitol photo.)

Data Processing Now Department; Functions Grow

A new indication of Librascope's continuing internal expansion is the establishment of Data Processing as a separate department with an expanded range of services and functions.

The new department, formerly a section in accounting, was formed last month. It reports directly to Controller Norm Stevens.

HEADING the new department is Pete Mobley, appointed Data Processing Manager. He was promoted from the position of Data Processing Supervisor under the old organization.

Harry Ewing, formerly Tab Supervisor, is the department's Administrative Supervisor.

The department, located in Bldg. 3, retains all of its accounting services and functions, and will greatly expand its data processing services for the engineering and production segments of the company, Mobley said.

A MAJOR step in the expansion program will be installation of the new RPC-9000 data processing system. The RPC-9000, earmarked for installation in the near future, is a fully transistorized, medium-scale automatic data processing system being designed and built by the Burbank branch.

When installed, the RPC-9000 will replace most of the punched card equipment now in use by Data Processing, greatly boosting the department's capabilities.

AMONG the many functions performed by Data Processing is one that affects each and every Librascope. In this department, payroll checks are made up.

Processing of accounts payable is another principal accounting function performed by Mobley's department. Literally, Data Processing pays all the bills in carrying out this assignment.

FROM THE DATA gathered on accounts payable and payroll comes another important service—the preparation of job progress reports. Information on costs, including labor, material and burden, is accumulated, then processed and prepared in report form for evaluation on job progress by engineering and production management.

The scope of engineering and production services will be greatly expanded, Mobley said.

PROJECTS currently under way include the assembly and processing of engineering data to determine makeup and production of the complete wiring systems for SUBROC and ASROC. A similar task was recently completed for the FAA computer.

Performance analysis on all Reliability Engineering projects is another key program currently in the works at Data Processing.

In addition to the appointments of Mobley and Ewing, several other key promotions were made in line with the reorganization.

THE PROMOTIONS include: Stan Pidkowiec from Group Leader to Tab Supervisor; Eadie Steele from Group Leader to Data Preparation Supervisor; Bob McMullen from Group Leader to Computer Programmer; Chuck White from Tab Operator to Computer Programmer; Terry Ward from Tab Operator to Computer Programmer. Hugh Heron, a new employee, also has been named a Computer Programmer.

The greatest expansion in the department's staff, as the promotions indicate, was made in the programming staff, Mobley added.

Attend Navigation Meet

Three Librascope staff will attend the 16th annual meeting of the Institute of Navigation at the Air Force Academy in Colorado Springs June 23-25. Those attending are: Tom Bryant, Chief Engineer of Shipboard; Staff Engineer Clyde Hendricks and Advertising Manager Mike Cannon.



C. P. McKEAGUE, Personnel Manager, left, congratulates Bruce Larson, employment interviewer, on his selection as a member of a special federal grand jury.

Edwards, Meade To Central Staff Military Sales

Two new additions to the central staff of Military Sales were announced this month by Bob Williamson, M/S director. The new Librascope staff are:



REAR-ADM. JACK EDWARDS, USN (ret), a veteran of many of the major Pacific naval battles in World War II. A specialist in electronic communications, Edwards has twice served on the staff of the Chief of Naval Operations, as a member of the joint military advisory group to the Chinese Nationalist government and as Seattle district intelligence officer.

Edwards is a 1930 graduate of the U.S. Naval Academy and of the Naval War College. He was awarded the Silver Star, the Legion of Merit and wears 12 battle stars on his service ribbons.

MAJ ROBERT W. MEADE, USAF (ret) who, for the past four years has been a member of the legislative liaison staff in the office of the Secretary of the Air Force.



Meade was a fighter pilot in the European theatre in World War II and again in 1950 in the Korean campaign. He was a member of the military mission to Turkey and a test pilot for four years with the Air Proving Ground Command at Eglin Field, Fla.

Albert Villa Promoted To QC Junior Engineer

Promotion of Albert A. Villa from Leadman, Inspection, to Junior Quality Control Engineer, was announced this month by QC Manager Dave Harrison.



VILLA, WHO JOINED Librascope just 27 months ago, has been a wireman, production wireman, electrical inspector and Leadman in precision inspection. He previously worked for Hoffman Labs and Lockheed.

A native-born Angeleno, Villa is a veteran of four years in the Marine Corps. He is married, the father of two young children and makes his home in Los Angeles.

Mailroom Moves

The Central mailroom, previously housed in a building adjacent to Bldg. 3, has been moved to a new location—Bldg. 19—just west of Bldg. 21 on Air Way. The new location, less than half a block from the Sonora Street postoffice branch, is expected to speed up mail deliveries. Telephone numbers remain the same as before.

Dan Fitzpatrick Accepts Federal Mediation Post

Dan F. Fitzpatrick, who joined Librascope 10 years ago as a jig-bore machinist, has resigned from the Company to join the Federal Mediation and Conciliation Service as a mediator.

On leave from the Company for the past six years to serve as business agent for Precision Lodge 1600, International Association of Machinists, Fitzpatrick was well known throughout the manufacturing area. In addition to serving as business agent, he also was the newly-elected President of the California Conference of Machinists.

Married and the father of five children, Fitzpatrick makes his home in North Hollywood. He was sworn into Federal service June 20.

Install 7 More Phone Booths for Employees

Seven new coin-box telephone booths, earmarked for the exclusive use of Librascope employees for personal calls, will be installed at the Glendale facility within 30 days.

The glass booths, reports Larry Cahill, Supervisor of Plant Communications, will be placed in central locations, easily accessible for all personnel.

HERE ARE THE LOCATIONS:

Two indoor booths in Bldg. 17, one in the Northwest corner and one near the Southeast corner.

Three in the Rodier Drive complex of facilities, one each near Buildings 7, 12 and 16.

Two near the main guard gate on Flower Street.

Two between Buildings 1 and 2.

THE WOODEN BOOTHS now in operation at the latter two locations will be replaced by glass booths. Addition of the new booths, Cahill says, is designed to meet the requirements of all personnel, and make it more convenient to place personal calls.

Personnel Interviewer Named To Special U. S. Grand Jury

Personnel's Bruce Larson has been selected to serve on a special federal grand jury, called to hear testimony on rackets.

Larson, an Employment Interviewer reporting to Walt Sertic, Employment Supervisor, was impaneled on May 31 at the U.S. Courthouse in Los Angeles.

ONE OF 23 named from a list of some 200 prospective jurors, Larson received warm congratulations from Sertic and from Mac McKeague, Personnel Manager.

The jury's term of court will begin sometime after July 5, and will run until all business is completed,

but will not exceed 18 months.

Unlike the regular federal grand jury which meets every Wednesday, the special grand jury is on call from the U.S. Attorney. It will meet at varying times and for unscheduled duration as the need arises.

REFLECTING Librascope's policy on jury service, Larson will receive the difference between the jury's \$7 per day stipend, plus mileage, and his normal salary, McKeague said.

Larson joined Librascope in November of last year. Prior to this, he was a personnel representative at Sunstrand Turbo, Pacoima.

A native of Utah, he came to California in 1940 and joined Douglas Aircraft, starting in the shops, later going into personnel work.

HE ATTENDED the University of Utah before moving to the West Coast. In January of this year, he received a Certificate of Industrial Relations from UCLA.

Larson, his wife Martha, and their three-year-old daughter Jennifer, make their home in Canoga Park.

Paul Lee Joins Wage and Salary

Paul A. Lee this month joined the staff of Hannes Boehm, Wage and Salary administrator for all non-engineering areas, as a job analyst.



LEE HOLDS an M/A degree in personnel management from UCLA and a B/A degree from Indiana University. He formerly was with Ramo-Wooldridge in wage and salary administration, previously headed all personnel administration at Revell, Inc., one of the nation's largest toy manufacturers.

An Army ordnance corps veteran, Lee saw service as an electronic fire control repairman. He is married, the father of two young children and makes his home in Granada Hills.

Stevens Names Charles St. John As Budget Manager

Charles St. John, former budget coordinator for American Potash and Chemical Corp., has been named to the newly-created post of Division Budget Manager by Controller Norm Stevens.



ST. JOHN'S initial assignment is to prepare, install and maintain a comprehensive program to provide management with data required to make accurate financial forecasts. As part of that assignment he will devise a detailed budget program with special emphasis on departmental overhead budgeting.

A native of Chicago, St. John has been a Californian for 20 years, lives with his wife and two young children in Van Nuys. He holds a Certificate in Accounting from Southwestern University and prior to being with American Potash was division controller of the Revlon Corp., and chief accountant for American Machine and Foundry Corp.'s west coast branch.

Contract Drawn Up

Two Librascope staffers — Bob Wright, sub-contracts administrator in Materiel and Harry Plunkett of the Legal Dept., flew to Little Falls, N. J., this month, to take part in a GPI conference at Kearfott headquarters. Purpose of the gathering was to draw up a standard contract for use in dealing with sub-contractors.

Joseph Kane Material Control Is Dead At 54

Joseph Kane, of Materiel Control, who would have become a 10-year Libravet June 5, died May 27 at St. Joseph's hospital, Burbank, of lung cancer.

Well-known and well-liked by his fellow workers throughout the plant, Kane had spent most of his years with Librascope in Shipping and Receiving. He was a native of Hawthorne, Nevada, but had lived most of his life in Los Angeles. He would have been 55 on June 9.

Surviving are his widow, Mrs. Lyle Kane of the Pantagraph section of the Machine Shop, a daughter, Shirley Marks, a grand-daughter, Patricia Ann, 9 months, and son-in-law Bob Marks, of Property Accounting. Funeral services were held May 31 at Holy Cross Cemetery.

Waycott Promoted to Silk Screen Foreman

Bob Waycott, a Librascope for the past 16 months, was promoted last month from Leadman in Silk Screen Processing to Foreman of that section by General Foreman Bill O'Mara of Processing.

An Angeleno-born, who now makes his home in Burbank, Waycott is a graduate of John Burroughs high, is currently studying mechanical engineering at Valley Junior College. Before coming to Librascope, Waycott was a silk screen specialist with Olympic Industries and Collins Radio in Burbank.



The Librazette

Copyright 1960 by Librascope Division, General Precision, Inc. 808 Western Avenue, Glendale

Editor Bill Keith

Associate Editors Al Erickson

Terry Ryan

Art Editor Keith Kinnaird

Assistant Art Editor Paul Kane

Photographers Earl Crawford

Fred Beindorf, Jim Avera

Photo Layout Andy Cook

Jim Norwood

Librascope Sports

Kilroy's Klick Wins Fivesome Bowling Crown

by Fred Killips

After a nip and tuck season, Kilroy's Klick emerged champions of the Librascope Mixed Fivesome bowling league, edging out Hapa Haoles by 3½ games.

Third place was captured by the Pin Busters, five games behind the champions. Fourth place in the final standings was claimed by 4 Dashes & 1 Dot, six games out. Fifth place ended in a tie between 4 Guys and A Doll and Lucky Strikes, both nine games out.

A BANQUET at the Hotel Green in Pasadena June 20 capped the 34-week season. Prizes were given and the winners honored.

In the final week of competition last month at the Grand Central Bowl, Carls Cadets registered the highest team series—a 2816. The Bandits, rolling a 1011, took the honors for the highest team game of the week.

Here are the final standings of the 18-team league:

	Won	Lost
1. Kilroys Klick	84	52
2. Hapa Haoles	80½	55½
3. Pin Busters	77	59
4. 4 Dashes & 1 Dot	76	60
5. 4 Guys & A Doll	74½	61½
5. Lucky Strikes	74½	61½
6. Sweepers	72	64
7. Exodus	71	65
8. Happy Five	69½	66½
9. Four Hits and No Miss	69	67
9. Carls Cadets	69	67
10. Woodpeckers	64	72
10. Jennies Brood	64	72
11. Embalmers	63	73
12. The Rejects	62½	73½
13. Odd Balls	56	80
14. The Bandits	51½	84½
15. Sleepers	46	80

Precisioneers Split In First Round Of League Play

by Charlie McKallor

The Precisioneer softball team, champions in their league last year, have been having their troubles this season. Despite generally good pitching, which sometimes has been inspired, the hits haven't always come at the right times.

As a consequence, instead of leading the league as they did at this time last year, our diamond stars have only managed to play .500 ball, winning four and dropping the same number. This average keeps you off the bottom, but it doesn't win any pennants.

HOWEVER, the lads have been facing much tougher competition this season, teams which weren't even in our league during 1959. We're facing them because of the record we piled up the past two seasons. The only trouble is—we aren't quite the same team. Time has taken its toll of many of the old stalwarts and their replacements haven't yet been honed to the razor-sharpness you need in order to be champions.

But the boys are determined to win—and that's half the battle. The second round of play, which starts next month, will tell the tale.

The roster this year:

Sam Houchin and Al Akins, pitchers; Manager Joe Fido, Jim Fallet and Ted Masters, catchers; Phil Plantamura, Hank Mason, Neil Hinton and Irwin Dubinsky, infielders. In the outfield are Dick Johnson, George Hoffman, Jim Arena, Ray Cedruly, Jim Stural and Pete DeYoung.



ACTION at home plate: Jim Fallet, Precisioneer outfielder, lashes a hit through the box in a recent game with the Teeco Softball team at Olive recreation center, Burbank. The Precisioneers lost, 5-2.



SEASON AWARDS for swing shift bowlers were presented at First Annual Banquet last month at the Candlelight Inn. At top, members of first-place Snollygossers, pose with trophies: (L-R) Butch Hall, Tony Ludwig, Clark Erick, sponsor Ray Setty and Carl Frain. At bottom, second-place Snafu team of (L-R) Murdock Bruce, Don Hutchinson and Bill Wood. Dick Nadeau was unable to be present. (Crawford photo)

All Ties Broken in Swing Bowling League; Snafus Grab Second

by Howie Bennett

Just for the record, the roll-offs to break the ties in the Librascope Swing Bowling League last month produced bonafide winners of second, third, fourth and fifth place.

So, for the 1959-60 season the money winners are:

1st—Setty's Snollygossers; 2nd—The Snafus; 3rd—Rico's Bloopers; 4th—The Gutter Rats; 5th—The Spotters.

The other five teams finished in this order:

6th—Moo Fooz; 7th—Pick Ups; 8th—Holey Rollers; 9th—Musketters; 10th—Mazel Kins.

Members of all teams, wives, sweethearts and friends gathered at the Candlelight Inn to celebrate the season's end and watch the award ceremonies. As the saying goes, a good time was had by all.

See you next season!

GPE Controls Merges With GPI; To Operate Under Link Division

GPE Controls, Inc., of Chicago, heretofore an autonomous company under the General Precision Equipment Corporation banner, is joining the General Precision, Inc., operating company.

Through transfer of ownership, GPE Controls will become a wholly-owned subsidiary of GPI and will operate under the direction of the Link Division. The move reflects Link plans to expand its industrial controls business.

GPE Controls management is not affected by the consolidation. G. L. Stancliff is executive vice president and chief executive officer; H. J. Velten is president and chairman of the board.

Lynn Mary Albizati Awarded Scholarship

Seventeen year old Lynn Mary Albizati, daughter of General Foreman Trent Albizati, Assembly, racked up another scholastic honor this month when she was awarded the \$500 annual scholarship sponsored by the Burbank Board of Realtors.

Lynn previously had won the Bausch and Lomb gold medal for achievement in science studies and a scholarship from Mt. St. Mary's College, Westwood, where she will enroll this Fall.

Lynn graduated this year from Jefferson-Bellarmine High in Burbank. Two sisters, Leigh, 15, and Trendy, 12, also are students there, as is her only brother, Kim, 6 years old. Proud father Trent says, 6 years old Leigh also has collected her share of awards and is pressing her sister for family honors.

Slee, Johnson Head Wescon Design Group

Ken Slee, Director of Public Relations and Advertising, and Dean Johnson, Manager of Trade Shows and Exhibits, have been named chairman and co-chairman, respectively, of the Industrial Design Award Committee of the upcoming Western Electronic Show and Convention.

The committee is in charge of Wescon's Second Annual Industrial Design Award Program. In last year's competition, Librascope won an award of merit for the design of the Libratrol-500 industrial process control computer.

The Wescon show will be held at the Los Angeles Memorial Sports Arena, August 23-26.

New Rotation Policy; Supervisors to Learn All Assembly Phases

Assembly has put into effect a rotation policy of supervisor assignments, inaugurated last month by Personnel within its own ranks.

As announced by Assistant Factory Superintendent Herb Darby, the policy is intended to familiarize each foreman with all phases of assembly work, in order to cope with emergencies and to further train foremen for future advancement.

Shifted to new assignments were:

BILL SAUBER, from wiring and mechanical assembly in Bldg. 17, nights, to the Printed Circuit Line on the day shift.

GERRY HENSHAW, from Printed Circuits, Bldg. 10, to wiring and mechanical assembly of the Mk 130 digital computer, Bldg. 17.

Others in the Assembly foreman group will be rotated whenever possible without disrupting production and delivery schedules.

Jim Takeuchi Joins Analog Computer Group

Jim Takeuchi has joined the Analog Computer group in Airborne as Associate Engineer, according to Project Manager Al Ladine.

TAKEUCHI will be evaluating electronic components and investigating circuit applications for components such as input and output devices.

Previously at Autonetics, Inc., in Downey, Takeuchi was test engineer and prepared calibration procedures.

Originally from Pahala, Hawaii, Takeuchi now lives in Huntington Park. His BS degree is from Indiana Technical College.

Tennis Club Formed At Burbank Branch

A band of 43 energetic Librascopeers at the Burbank Branch have recently formed a tennis club, with a standing invitation open to all net enthusiasts to join up.

The man behind it all is Stuart Leong, founder and club's first president. Other newly elected officers are: Dan MacArthur, vice-president; Donna Anderson, secretary; Glenda Pappas, treasurer.

Tentatively, the first matches will be held on the Griffith Park courts. For further information regarding the club, contact any of the above mentioned officers at the Burbank Branch.

Librascope Division
General Precision, Inc.
808 Western Avenue
Glendale 1, Calif.

First Class Mail