



SKIP CASE, Shipboard Equipment, shows June Carlson, Model Shop experimental wireman, two extremes in Librascope servomechanisms. The two are seated on a three-axis servo system which Case designed to stabilize a sonar beam. Each unit of the system (one of which is shown with its protective cover removed) can generate several hundred foot-pounds of force and move a grown man with ease. In his hand, Case holds a miniature servo designed for the CP-209, Librascope's airborne digital computer. Its output is measured in inch-ounces and the touch of a finger will stop it.

(Photo by Duggan)

King-sized Servo System Will Stabilize Sonar Platform

Employees at Librascope's Glendale headquarters may have wondered in recent weeks if the Company had suddenly turned to bridge building.

Well, the answer is "no." The bridge-like structure setting on a trailer just inside the main gate is actually the frame for a stabilized sonar platform which will be used by the Naval Ordnance Test Station—Pasadena for underwater test work.

The unit, which weighs approximately 8,000 pounds, consists of a three-axis servo system which will stabilize a sonar beam, an underwater junction box (dubbed the Octopus), associated gyros, and cabling.

In operation, the platform is lowered from a ship (to depths of more than 500 feet) and the sonar beam kept on target by an operator at a control cabinet on the ship.

Precisioneers to Host Kids' Xmas Party on Dec. 20

Librascope youngsters will again be the guests of the Precisioneers at the annual Children's Christmas Party, Bob Somerville, president of the employee recreation club, said this month.

The party will be held Dec. 20 at the Hoover High Auditorium and Bob Garrett, special events chairman, has lined up an outstanding show for the young folks.

Headlining the show as usual will be that jolly gentleman from the North, Santa Claus. He and Mrs. Claus will be on hand to distribute gifts and to do a little first hand checking on youthful behavior during the past year.

Garrett has also booked a trained dog act which is sure to please young and old alike. Added attractions will include the showing of several cartoons and a community sing.

As in past years, the Precisioneers will need to know the number and ages of the children who will attend. Slips requesting this information will be included with your Nov. 13 paycheck. Your cooperation in filling out and returning these slips to your supervisor by Nov. 21 will be greatly appreciated, Garrett said.

The stabilization is achieved through use of three of the most powerful servos ever designed and built at Librascope.

Skip Case, Shipboard Equipment staff engineer, designed the three-axis system which keeps the sonar transducer lined up with its target no matter how the framework to which it is attached gyrates.

Outstanding cooperation by the Model Shop personnel who fabricated, assembled and wired the unit again enabled Librascope to meet an exacting delivery schedule.

Annual Xmas Card Drive Is Dropped

Librascope's annual campaign to substitute support of a charitable organization for the mass exchange of Christmas cards will be dropped this year.

The decision to discontinue the popular program, at least for this year, was based on the following considerations:

1. The belief that the campaigns of the past three years have made longtime employees sufficiently aware of the situation that had existed before the Christmas Card charity drive was undertaken.

2. The fact that Company employment has almost doubled since the first of the year and that the majority of our new employees would have little incentive to participate in the program.

The idea for Librascope's program to substitute support of a charity for the mass exchange of Christmas cards originated with President Lewis Imm in 1955.

Details of the first program (which set the pattern for subsequent years) were worked out by an employee committee. The plan involved employee contribution of money normally spent on cards for fellow workers to a charity selected by the committee.

Contributions to the fund expressed symbolic Yuletide greetings to fellow employees through signed ornaments on area Christmas trees and a giant card reproduced in the LIBRAZETTE.

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LIBRAZETTE



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Libravets Celebrate Librascope's 21st Anniversary at Annual Party

Long-time Librascope employees and their partners gathered at the Sportsmen's Lodge Oct. 24 for the seventh annual Libravet service awards party.

A crowd of approximately 250 turned out despite threatening skies and scattered showers to see President Lewis W. Imm bestow service pins on 21 ten-year and two 15-year employees, then spend the rest of the evening dancing and enjoying themselves.

15 Years at Librascope

Cesar Goldstein, Toolroom, and Keith Kinnaird, Publications, were on hand to receive the pins and certificates commemorating their 15 years with the Company.

The new group of 10-year pin wearers includes: Charles Ahrens, Charles Baumgard, Leo Dietz, Lowell Eisenhower, Charlotte Hoskinson and Robert Whitcomb, Engineering - Administrative; Ralph Barnett, Military Planning; Eloy Barrios, Contracts; and Tom Bryant, Shipboard Equipment.

Also, Jeanette Calley, Carl Culver Jr., Urban Kemme and Frank Kramer, Assembly; James E. Clark, Production Division; Arthur Claessens and Verle McClure, Machine Shop; Robert Day, Burbank Division; Andrew Lee and Elmer Lehman, Methods; Wilbur Mayclin, Production Control; Norm Nelsen, Purchasing; Elbert Sharpe and Violet Tarbell, Accounting; and Joseph S. Wilson, Toolroom.

IMM Sketches Highlights

Prior to the service pin presentation ceremony, President Imm sketched a few highlights of the Libravet organization, which he founded seven years ago.

Imm told his audience that there are now 486 Librascope employees with five or more years of continuous service behind them. Of this number, 109 employees have been with the Company for more than ten years.

When one considers that Librascope employees numbered less than 250 in 1950 and that there were only 1,100 employees on the payroll as late as Dec. 31, 1957, the service record compiled by employees is impressive.

Libravets Don't Quit

Employee turnover in the Libravet ranks is one of the lowest in industry, Imm said. In the past year and one-half, only two employees in the ten-or-more-year group have terminated for reasons other than death or retirement.

One of these, he pointed out, is Art Davis, former Model Shop General Foreman now in Japan, who very likely will return to Librascope on completion of his overseas assignment with Lockheed. Turnover in the five to ten year group has been comparably low, Imm said.

The Librascope president also expressed his gratification over the significant number of ex-employees who return to Librascope after working elsewhere.

Double Theme

This year's Libravet party theme coupled the dawn of the Space Age with the Company's 21st anniversary.

On arrival, party guests were greeted by Beverly Kuhlman, Engineering - Administrative. Miss Kuhlman, billed as the Martian Miss, was appropriately dressed in an attractively abbreviated space costume.

The space motif was apparent in the table decorations, too. Tiny satellites swung in orbit over cloud-enshrouded miniature worlds.

The party committee, chaired by Bill Bietsch, Material Control, came up with something a little special for this year's event, a huge cake commemorating the Company's 21 years of existence.

Riddle Sets Stage

Shipboard Equipment's Joe Riddle set the stage for the cake's

(Continued on Page 2)



KEITH KINNAIRD (left) and **Cesar Goldstein** (right) pose with President Imm after receiving their 15-year service pins at this year's Libravet party.

Get Your Tickets Early for Xmas Dinner Dance

Employees planning to attend the annual Christmas Dinner Dance at the Sportsmen's Lodge Dec. 27 are advised to get their tickets early, Chairman Bob Garrett said this month.

Last year, a capacity crowd turned out for this highly popular Precisioneer-sponsored event. The demand for tickets should be even greater this year because of Librascope's growth.

Tickets for the event will go on sale about Dec. 1 and can be obtained from Precisioneer department representatives. They will be priced at \$5 per person.

As they have in past years, the Precisioneers will again underwrite part of the cost of the affair.



TEN-YEAR service pins were presented to the above employees at the seventh annual Libravet party held Oct. 24. They are (l. to r., back row) Bob Whitcomb, Art Claessens, Elmer Lehman, Tom Bryant, Chuck Baumgard, Charles Ahrens, Eloy Barrios, Lowell

Eisenhower and Urban Kemme. (Front row, l. to r.) Ralph Barnett, Bob Day, Mac Mayclin, Violet Tarbell, Norm Nelsen, Jeanette Calley, Leo Dietz, Charlotte Hoskinson, Frank Kramer, Jim Clark, Andy Lee, and Joe Wilson. (Photo by Duggan)



LIBRASCOPE'S METHODS Section posed for this group picture in front of Building 1 a couple of weeks ago. Less than two years ago, the Section had five employees. Today, it has over sixty. Bow-tied, grey-suited Leonard Bravold (kneeling, cen-

ter) is the supervisor. Ted Donley (extreme left) and Dallas Mason (extreme right) head up the mechanical and electrical methods groups respectively. (Photo by Duggan)

Methods Section Has Key Function of Readying Products for Manufacture

A number of important new products are taking shape along Librascope assembly lines these days. The CP-209 and ASROC projects are well into the production phase while deliveries have already been made on the Mk 140 Amplifier, Douglas Viewfinder and Lockheed Bomb Dispenser contracts.

These products are all typical of the transition in Librascope operations from the basically electro-mechanical to the predominantly electronic. This transition, coming as it did during a time of unparalleled Company growth, has not been easy.

A Translation Problem

Among the basic problems that faced the Production Division was that of translating the symbolic language of the engineering drawings into the practical language of the Machine Shop and the Assembly lines.

The solution to that problem and to many, many more relating to the manufacturing process rests in the hands of Leonard Bravold's Methods Section.

The Methods Section, Bravold says, attempts to eliminate guesswork from production by spelling out in detail how the thousands of parts that go into a Librascope product are made and assembled.

This work extends far beyond the preparation of operations sheets, sheets that list every manufacturing step for every Librascope part in sequence.

Information Source

Methods provides information to Material Control on the types and amounts of raw materials needed; to Production Control for scheduling requirements on machines; to Tooling for design of new tools or modification of existing ones; to Purchasing for procurement of components from other manufacturers; and to Outside Production for vendor fabrication work.

Large scale methodizing of Company products is a comparatively recent undertaking, Bravold pointed out. The increased emphasis on this phase of production has resulted in considerable growth and diversification within the section, he said.

When Bravold became Methods supervisor in January, 1957, he had a staff of five. Today, he supervises a total of 57 employees.

Major Products

The first big project tackled by Bravold's group was the Douglas Viewfinder. This was followed by the Mk 140 Amplifier, which was the first product to be completely methodized electrically.

Next came the CP-209 Digital Bombing Computer, which was methodized both mechanically and electrically. Right now, the Methods Section is working on its biggest and most important job to date, the ASROC fire control system.

In order to meet the demands imposed by these projects, Bravold split his section into two groups—Electrical Methods, headed by Dallas Mason, and Mechanical Methods, headed by Ted Donley.

Both groups perform essentially the same function, that of providing shop and assembly people with detailed instructions on what to make and how to make it.

In the case of mechanical components, these instructions are normally provided on the operations sheets which the Methods Analysts prepare from engineering drawings.

Electronic Problems

The task of methodizing the highly complex electronic circuits around which many of our latest products are designed has created new problems for the Methods section.

For example, the basic operations required to make and assemble gears, shafts, linkages and other mechanical components have been pretty well standardized at Librascope over the years.

On the other hand, many of the processes and techniques needed to produce a piece of electronic equipment have been introduced only recently at Librascope.

The manufacture of etched circuit boards, insertion of electronic components, and the wiring of complicated electronic assemblies are all in this category.

Moreover, while engineering drawings of mechanical assemblies show the actual physical relationships of the various parts, engineering drawings of electronic assemblies show these same relationships schematically.

Simplicity Is Goal

Electronic schematics are difficult. (Continued on Page 4)

Helpful Friends Turn Back the Clock for Darby

A group of the boys helped Assembly General Foreman Herb Darby turn back the clock and recapture his lost youth for a few fleeting moments recently. But alas for Darby, the fountain of youth proved to be only an illusion.

It all started over Darby's latest badge picture. Darby felt it didn't do him justice, especially in the hair department. Some of his friends evidently agreed and proceeded to do something about it.

With a few strokes of his pen, Keith Kinnaird gave Darby's picture a head of hair that Samson would have envied. Art Pederson incorporated it in a new badge and Harlan Buseth presented it to his unsuspecting foreman in a surprise ceremony.

Buseth pointed out the price for regaining one's youth comes high and that Darby might have to exist on his present salary for a couple of years. Darby evidently felt it wasn't worth it for he is sporting the same old likeness on his shirt front.

Promotions Pose Space Problem for Librazette

Librascope's explosive growth in 1958 has resulted in greatly expanded advancement opportunities for employees, and the LIBRAZETTE has been happy to publish news of promotions as they occur.

The list has grown so long in recent months, however, that it is posing a space problem in the paper. We are therefore inaugurating a policy this month of listing only inter-departmental promotions, promotions to leadman or supervisor, and promotions from a lower to a higher job family.

Assembly

Theodore Denomme promoted from Inspector-Electrical to Elect. & Mech. Inst. Tech B.

Donald Mashenek promoted from Assembler-Final to Elect. & Mech. Inst. Tech B.

Richard Panneton promoted from Inspector-Electrical to Elect. & Mech. Inst. Tech B.

Robert Rearly promoted to Elect. & Mech. Inst. Tech B Leadman.

Eric Seif promoted from Inspector - Electrical to Elect. & Mech. Inst. Tech B.

Naomi Creedon promoted to Wireman Leadlady.

Ruth Forzano promoted to Wireman Leadlady.

Sarah Harris promoted to Production Wireman Leadlady.

Carol Hillebrand promoted to Production Wireman Leadlady.

Pearl Meadows promoted to Production Wireman Leadlady.

Caroline Pollina promoted to Production Wireman Leadlady.

Rae Tanguay promoted to Department Clerk.

Administrative Engineering

Wilbur Carter promoted from Field Service Engineer to Liaison Engineer.

James Daffron promoted from Elect. & Mech. Inst. Tech B to Field Service Tech.

William Hamrick promoted from Production Wireman to Electronic Tech.

Commercial Engineering

William Reinholtz promoted from Senior Engineer to Project Manager.

Shipboard Equipment

Herschel Lewis promoted from Designer to Engineer.

Vince Nahrstedt promoted to Design Specialist.

Inspection

Joseph Schlegel promoted to Inspector-Precision Elect. Leadman.

Carl Christie promoted to Inspector-Elect. Leadman.

John Ferrero promoted to Inspector-Elect. Leadman.

Jack Bertalot promoted from G.A.E. to Inspector-Elect.

Garred Besteland promoted from G.A.E. to Inspector-Elect.

David Goldman promoted from G.A.E. to Inspector-Elect.

Robert Hendrick promoted from G.A.E. to Inspector-Elect.

Steven Lewis promoted from G.A.E. to Inspector-Elect.

Phillip Oster promoted from G.A.E. to Inspector-Elect.

Gerald Posell promoted from G.A.E. to Inspector-Elect.

Paul Thuotte promoted from G.A.E. to Inspector-Elect.

Harold Whitworth promoted from G.A.E. to Inspector-Elect.

Frank Webb promoted from Production Assembler to Inspector-Assembly.

Laura MacQuarrie promoted from G.A.E. to Inspector-Cable Assembly.

Arthur Ostroff promoted from G.A.E. to Inspector-Cable Assembly.

Machine Shop

Thole Isebrands promoted to Machinist-Engine Lathe Leadman.

Robert Levan promoted to Machinist-Milling Machine Leadman.

Material Control

Bobby Allen promoted from Stockroom Clerk to Material Control Planner.

Methods

Lois Benjamin promoted from Asst. Tech Illustrator to Methods Analyst-Electrical.

Model Shop

Cleveland Tiedemann promoted from Staff Assistant to Foreman.

Robert Levine promoted from Machinist-Boring Machine to Staff Assistant.

Ralph Hoffman promoted from Stockroom Clerk to Model Shop Dispatcher.

James Walsh promoted from Dispatcher to Model Shop Dispatcher.

Donald Crawford promoted from Final Assembler to Experimental Assembler.

Sal DeMarini promoted from Final Assembler to Experimental Assembler.

Albin Lis promoted from Final Assembler to Experimental Assembler.

Merwin Chase promoted from Machinist-Milling Machine to Experimental Machinist.

Truman Gee promoted from Machinist-Toolroom Jigbore to Experimental Machinist.

James McAllister promoted from Machinist-Milling Machine to Experimental Machinist.

(Continued on Page 3)

Libravet Party

(Continued from Page 1)

appearance with a few quips and comments on Librascope's own space problems.

Plans and arrangements for the 1958 Libravet party were made by Bietsch, Charlotte Hoskinson, Jeanette Calley, Phil Cohen and Keith Kinnaird.

Carroll Wax and his orchestra provided the music for dancing. Those invited to attend this year's affair included all employees with 10 or more years of service as well as all employees reaching their fifth anniversary with the Company during 1958. Special guests included Dr. and Mrs. Gene Emmet Clarke and Mr. and Mrs. Lee Duggan.



GUESTS AT THIS year's Libravet party were assured of dessert when this huge anniversary cake was unveiled. The cake commemorated Librascope's 21 years of existence and was presented to President Lewis Imm (shown here with his wife Helen) by Joe Riddle, Shipboard Equipment. (Photo by Duggan)

Organizational Changes Made in Engineering

The rapid expansion of Librascope engineering activities has brought about some departmental organization changes in recent weeks, Don Webster, vice president — engineering, reported this month.

Webster dropped "Chief Engineer" from his title and became Vice President — Engineering effective Sept. 29. At the same time the titles of the six Engineering Department heads were changed from "Department Director" to "Chief Engineer."

The six new Chief Engineers are: Les Bentley, Special Devices; Wayne Blackburn, Commercial; Tom Bryant, Shipboard Equipment; Bob Dietrich, Airborne Equipment; Bill McAboy, Administrative; and Carroll Maninger, Precision Technology.

Organizational changes also went into effect Sept. 29 in the Special Devices and Shipboard Equipment Departments. Both added another level of supervision and revamped their staff operations.

In Special Devices Lane Wolman and Fred Merkel were named Directors of the newly created System Engineering and Project Management Sections. Prior to their promotions the men had served as Project Managers.

A third Project Manager, Marc Dreyfus, was named Staff Physicist and heads up the Optical Physics staff. Vacancies in the Project Manager ranks were filled by Mel Smokler and Elmer Zueheke.

Other Special Devices changes found Lester Lyons receiving a promotion to Staff Engineer and

assuming responsibility for Customer Relations activities, while Cliff Godwin moves up as Assistant to the Chief Engineer.

Over in the Shipboard Equipment department, Tom Bryant announced the promotion of three men to the positions of Director, Project Engineering Section. The trio are Howard Applegate, Arnold Larson and Frank Mathews. All three are former Project Managers.

Moving up from Senior Engineer to Project Manager were Jerry Dietz, Frank Primozech and Bob Simpson.

Clare Burgis moved from Project Manager to Staff Engineer, while Jack Pelamati took over department administrative functions in his new role as Assistant to the Chief Engineer.

Vacation Trips To Europe May Become Reality

Dreams of a fabulous (and inexpensive) vacation trip to Europe, South America, Hawaii or the Orient could become a reality for Librascope employees next year, Precisioneer President Bob Sommerville indicated this month.

More and more Americans with average incomes and limited vacations are taking advantage of economical air charter flights and group tour arrangements to travel abroad.

Several Librascope employees have voiced their interest in vacations of this type and have asked the Precisioneers to lend their backing to an overseas group vacation plan.

The Precisioneer board of directors has agreed to sound out employee interest in this matter and has gathered some preliminary information of possible tour itineraries and costs.

Group travel tours offer many advantages, Sommerville points out. Foremost of course is their unbelievably low cost.

As an example, it is possible to spend seventeen exciting days touring Dublin, London, Amsterdam, Brussels and Paris for a per-person cost of under \$900.

This price includes all transportation from Los Angeles and return . . . all hotel accommodations . . . all meals . . . planned sight-seeing and excursions . . . tickets for special events . . . all admission fees . . . and many other items.

Most tours can be custom-planned to fit the interests of the group, the time they have available, and the cost the members can afford.

Group tour parties usually include twenty to thirty people. They may total a hundred and fifty or more. The minimum number is usually ten. Maximum economy on group tours can be obtained if the party is large enough to charter a plane for its exclusive use.

Any Librascope employee interested in learning more about the group travel plan is asked to contact Bob Sommerville as soon as possible. If there is sufficient interest in such an undertaking, Sommerville will call a meeting of the prospective tourists to discuss ways and means of attaining their objective.

Promotions

(Continued from Page 2)

George Parkins promoted from Machinist-Milling Machine to Experimental Machinist.

Maxine Bart promoted to Experimental Wireman.

Twila Harmer promoted to Experimental Wireman.

Josephine Hernandez promoted to Experimental Wireman.

Plating and Processing
Jimmie Williams promoted to Plater Helper Leadman.

Production Control
Charles Carnahan promoted from Production Planning Clerk to Group Leader-Prod. Parts Listing.
Phil Carpenter promoted to Scheduler.

Philip Burke promoted from Plater Helper to Parts Mover.

Jack Royce promoted from Burrer to Parts Mover.

Constance Negri promoted from General Clerk to Parts Lister.

Toolroom
Gordon Dill promoted from Machinist-Milling Machine to Toolmaker.

Precisioneer Calendar

Children's Christmas Party
Hoover High Auditorium
Dec. 20

Christmas Dinner Dance
Sportsmen's Lodge—Dec. 27

Libra Sport News

Precisioneer Cage Squad Impresses Coach in Opening Practice Sessions

Added Height, More Depth Makes Team a Real Threat for Crown

A tall and talented squad of Precisioneer basketballers began prepping in mid-October for the opening of the Burbank Industrial League season, Coach Joe Mesch reports.

Mesch and Team Manager Charlie McKallor, Timekeeping, greeted seven players at the first informal practice session held Oct. 15 at Burbank's McCambridge Center.

Players interested in trying out for the Precisioneer basketball team are invited to contact Charlie McKallor or Joe Mesch for further information on practice dates and times.

Several names have been added to the team roster at subsequent Tuesday night practices, and the Precisioneers' new coach is cautiously optimistic about prospects for the 1958-59 season.

Veterans Return

Mesch inherits five veterans from last year's Bob Bruce-coached Industrial league squad. The returnees include first stringers Neil Hinton, Toolroom; John Kennelly, Drafting; Nelson Manzanarez, Receiving; and reserves Dick Johnson, Drafting; and Bob Laperle, Contracts.

Joining this group are a promising crop of newcomers including Jim Quenemoen and Paul Waller, Shipboard Equipment; Dick Howard, Assembly; Ron Roderick, Tooling; Bob Cottrell and Bob Peterson, Methods; and Jim Kostelecky, Building Maintenance.

The 1958 Precisioneer squad has two important attributes that were lacking in previous campaigns, height and outside shooting. Seven members of the present 11-man squad are over six feet.

Skyscraper Line-up

A tentative first string line-up of Roderick (6-4½) and Howard (6-5) at forward; Manzanarez (6-5) at center; and Quenemoen (6-1) and Hinton (5-11) at guard

would average out at 6-3. Other first string possibilities include Waller (6-2) and Kennelly and Johnson, both 6-1.

First class outside shooting has been demonstrated in practice by both Quenemoen and Peterson, with other squad members giving strong indication that they can find the hoop consistently.

The team hopes to blossom out in new blue uniforms this year and Precisioneer President Bob Sommerville, Shipboard Equipment, has pledged his cooperation in outfitting the team.

Weekly Practice

Coach Mesch says his squad will continue its informal Tuesday night practices at McCambridge until the Burbank Parks and Recreation Department sets up formal practice schedules late in November.

Although it is still too early to tell who the Precisioneers will face in Industrial League play, it is probable that the competition will come from such old time rivals as Weber Aircraft, Menasco, Pacific Automation and AeroQuip.

Pre-league practice round play will open about Dec. 1 with league competition expected to begin around the first of the year.

Potential Champs

The basketballers are opening their seventh season under the Precisioneer banner this year with what is potentially their strongest team. The club has yet to win a league championship although the 1955 aggregation copped the Shaughnessy play-off crown and the 1957 team lost a 46-42 heart-breaker to a polished Disney Club in the Shaughnessy play-off finals.

Game schedules will be posted on the bulletin boards when they become available, and Precisioneer President Sommerville urges Librascope fans to come out and support their team. The team will probably play most of its games at Burroughs High and admission is free.

Gun Clubbers Skin Moose On Own Range

Librascope Gun Clubbers traded shots with a challenging group of Moose Oct. 30 and scored a clear-cut victory over their opposition.

The small bore rifle match pitted a five-man team representing the Librascope club against the Glendale Moose Lodge team at the Moose Lodge indoor range.

A turkey shoot, open to all Librascope employees, will be held by the Librascope Gun Club at the Aqua Sierra Trap Range in Chatsworth on Dec. 7. For additional information, contact Lee Simon, Engineering, or Lee Duggan, Photo

The contestants fired ten shots each from the prone, sitting, kneeling and off-hand positions with the composite scores of the top four shooters on each team being used to determine the winner.

The local gunners notched a total score of 1304 to win handily over the Moose team which compiled a 1267 total. The winning team members were Len Soper, Lee Simon, Galen Mannan, Lee Duggan and Bob McFarlin, with the scores of the first four listed counting toward the team title.

The team was selected from the group of Gun Clubbers who have been turning out for the Tuesday night practice sessions at the Glendale high school range.

The Crecenta Valley Gun Club has also challenged the Librascope club and teams from the two organizations will shoot it out Nov. 13. A return match with the Moose Lodge aggregation is also on the calendar and attempts to schedule matches with other local clubs are now being made.

Softball Banquet Set for Nov. 14

The Precisioneers softball team will be honored at a banquet to be held Nov. 14 at the Glendale Elks. Team and individual awards to members of the 1958 championship squad.

Raiders, Jokers Pace 1st Round Bowling Action

Librascope's Thursday night bowling leagues swung into second round action as November opened with Sommy's Raiders and the Jokers topping their respective leagues.

The 8-team day shift loop held its first Position Week Oct. 30 with the second place Pin Shakers having a chance to dislodge the front running Raiders.

By the end of the evening, however, the Raiders had picked up a full game on the field and the Maple Nuts had vaulted over the Pin Shakers into the runner-up slot.

The Raiders, captained by Lloyd Somerfield, have held onto the top spot in the league standings since the fourth week of the season, but the victories are coming harder each week.

Seasonal highs in team competition include a 2,860 series compiled by the Fullhouse five and a 1,032 game chalked up by Sommy's Raiders.

Best individual performances to date are Bill Goepfinger's 566—81-647 series and Glen Reyman's 238-25-263 game among the men and Kay Small's 418-195-613 series and Dottie Barkus' 201-34-235 game among the women.

Over in the 6-team swing shift league, the Jokers sported a four-game bulge over the second place Screwballs at the end of the fifth week of play.

There have been several sparkling performances by individuals in the Swing league. Two of the best are Herb Frankenberg's 606-69-675 series and Bob Schluter's 268-35-303 game.

Fledging Pilots Assume Control of Wanderaires, Inc.

Librascope's unique corporate flying club, Wanderaires, Inc., has returned to the skyways with a new crop of fledgling pilots at the controls.

Temporarily grounded more than a year ago when the membership voted to sell the club airplane, the Wanderaire organization today appears headed for an impressive comeback.

Less than six months ago, the flying club had just two members, Carroll Schramling, Burbank Division, and former Librascope employee Bill Chase, and one plane—a Piper Tripacer.

Now it has nine full-fledged members and two aircraft. The newcomers who have helped revitalize Wanderaires, Inc. include Bob Fossler, Publications; Lynn Efting, John Gustafson, Arnold Larson and Ed Pacholec, Shipboard Equipment; Bob Laperle, Contracts; and Wes Stupar, Special Devices.

These men have pooled their resources and purchased a two-place Aeronca Champion. They bought the Aeronca because it is an ideal plane for student pilot training, an important factor to the owners since none of them had their private licenses at the time.

The club is headed by President Efting. Other officers are Pacholec, vice president; Gustafson, secretary-treasurer; and Stupar, maintenance officer.

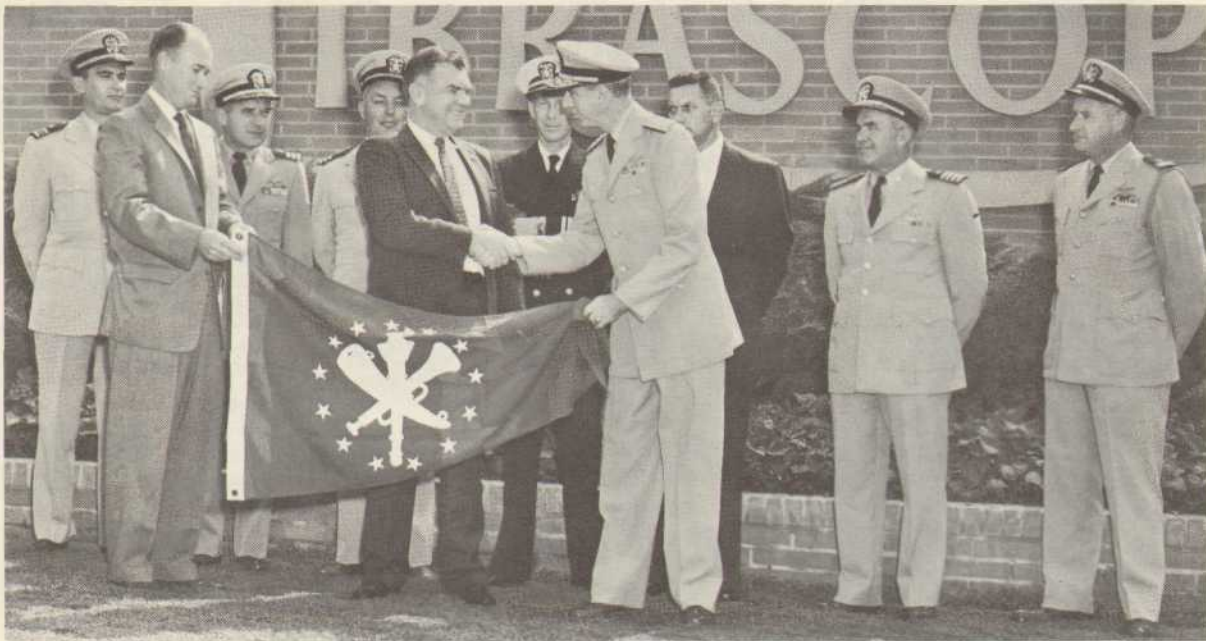
Information on club memberships can be obtained from any of the above. Efting points out that if you are interested in learning how to fly or are already a pilot and want to continue your air work, it may be to your advantage to investigate the opportunities of Wanderaire membership.

Ex-club members, among them Bud Linsley, Shipboard Equipment; Bob Jewett, Burbank Division; Glen Seltzer, Personnel; and Harold Schwartz, Commercial Engineering, would agree wholeheartedly with Efting.



LURE OF THE WILD, blue yonder has lead these Librascope employees to reactivate the Wanderaires Flying Club and purchase their own airplane, an Aeronca Champion. Standing (l. to r.) are: Arnold

Larson, Bob Fossler, John Gustafson and Ed Pacholec. Kneeling (l. to r.) are: Wes Stupar, Carroll Schramling and Lynn Efting. (Photo by Duggan)



REAR ADMIRAL T. J. Hedding congratulates President Lewis W. Imm following presentation of the Department of Defense Reserve Award to Librascope. The ceremony was witnessed by more than 125 employees who are in the Armed Forces Reserve

program. Others witnessing the presentation included (l. to r.) Lt. Comdr. J. N. Williams, W. E. Bratton, Comd. J. J. Bacak, Comdr. R. D. Potter, Comdr. Howard Huston, Sol Elkin, Capt. G. A. Hatton and Lt. Jack Brennan. (Photo by Duggan)

Department of Defense Reserve Award Presented to Librascope in October

A new blue pennant fluttered from the Librascope flag pole this month following the formal presentation of the Department of Defense Reserve Award to the Company.

The presentation, which was made Oct. 8 by Rear Adm. Truman J. Hedding, Bureau of Aeronautics general representative, was witnessed by more than 125 Librascope employees who are in the Reserve program of the Armed Forces.

The Reserve Award was conferred upon the Company by Secretary of Defense Neil McElroy for Librascope's outstanding cooperation with military reservists and Reserve activities.

Recommended by Elkin

Sol Elkin, Shipboard Equipment department, was the man who recommended Librascope for the award. Elkin, a chief warrant officer, is a member of Naval Reserve Surface Division 11-31 (L) in North Hollywood.

In presenting the award to President Lewis W. Imm, Adm. Hedding paid high tribute to Librascope for its contribution to the nation's security.

"These men you so graciously permit two weeks leave for reserve duties are the minutemen of today," Adm. Hedding said. "In a moment of emergency, they will be badly needed to augment the striking and defensive power of the regular Armed Forces. By your action you enable them to obtain the training necessary to perform the vital tasks that could confront them."

Need Recognized

President Imm, in accepting the award, said that the Company, in its capacity as a prime defense contractor, has long recognized the need for adequate reserve training and has been happy to give its employees the opportunity to fulfill their reserve commitments without loss of income or other benefits.

The presentation ceremony was held on the lawn in front of Building 3. Members in the official party included Capt. G. A. Hatton, Comdrs. J. J. Bacak, R. D. Potter and Howard Huston; Lt. Comdr. J. N. Williams, Lt. Jack Brennan and Librascope Vice President Bill Bratton.

Card Drive

(Continued from Page 1)

The program was an immediate and lasting success. In the three years of its existence, employees contributed a total of \$5,658 to three different charities and virtually eliminated the exchange of Christmas cards with fellow employees.

In 1955, the contributions were used to purchase a stove, a double oven, and several weeks' supply of food for the Los Angeles Orphans Home Society in Hollywood.

Funds from the 1956 campaign went toward the purchase of wheel chairs, walkers, and a variety of

Engineers Spend Day as Volunteer Science Teachers

Scientists and engineers from more than a score of southern California industrial firms put aside their slide rules and became science teachers for a day Oct. 17.

Among the firms who cooperated with the school districts in this one-day teacher replacement program was Librascope. Five of our Engineering Division employees were among the hundreds of volunteer instructors who moved into classrooms in junior and senior high schools on that day.

There, they substituted for the regular science teachers and freed them to attend the regional conference of the National Science Teachers' Association held in Pasadena on Oct. 17-18.

The Librascope instructors included Wayne Blackburn, Chief Engineer—Commercial Engineering department; Hal Hamilton, Coordinator of Research Planning; Tom Kampe, senior mathematician, Shipboard Equipment department; Don Herr, staff engineer, Airborne Equipment department; and Lothar Schmidt, senior engineer, Airborne Equipment department.

The subject matter presented by these volunteer instructors was as diverse as their backgrounds. Generally speaking, their lectures and demonstrations illustrated advances that are pertinent to the company's computer and automatic controls development programs.

orthopaedic equipment for the Crippled Children's Society of Glendale.

Last year, the recipient was the HEAR Foundation in Eagle Rock. This organization has had remarkable success in teaching deaf youngsters to talk normally but it needed special test equipment to help establish the validity of its methods.

The necessary equipment was designed and built by Leonard Ludvigsen, Shipboard Equipment engineer, and is now installed at the HEAR Foundation.

CREDIT UNION HOURS

11:45 a.m. to 12:30 p.m.

4:00 p.m. to 4:45 p.m.

Monday through Friday

Methods Section

(Continued from Page 2)

cult to read and interpret. Consequently, the people in Electrical Methods seek ways and means of simplifying them.

Mock-ups of all harness and cable assemblies are made to find out: (1) how long each individual wire must be; (2) where each wire will feed in and out of the main assembly; and (3) how the complete assembly must be bent and formed for proper installation.

Methods Illustrators then prepare full size drawings of these assemblies. The drawings are mounted on boards and special nails used to outline the assembly. The Harness and Cable Maker then has only to follow the pictorial pattern on the board to make one, ten or a hundred identical assemblies.

Color Coding Used

Illustrations are also prepared showing the location and identity of all components on etched circuit boards. In many instances, components shown on the illustrations are color-coded to facilitate assembly operations.

The Methods section has also carried on active training programs for Assembly personnel in basic soldering and wiring techniques.

Dead ahead lies the Polaris program. Since work on this multi-million dollar program will be centered at the recently acquired Sonora Avenue buildings, Bravold and the Mechanical Methods group have moved to the scene of action.

There will be other projects and other challenges awaiting Methods in the months and years to come, and the results they have already achieved make it clear the section is prepared to meet them as they come.

CREDIT UNION MEMO

To: All Librascope Homemakers

From: Your Librascope Employees Credit Union

Subject: Cash for Christmas

Are you having trouble stretching the family budget to cover all your Christmas shopping needs?

If you are, the Librascope Employees Credit Union is ready to loan you the cash at interest rates you won't believe. Be wise. Borrow today and do your buying before the Yuletide rush begins. An important reminder—new employees now may obtain loans from the Credit Union upon completion of their probationary period.



LIBRAVET PINS denoting five years of continuous service with Librascope were awarded to the above employees in recent weeks. The new pin wearers are (l. to r. from top) Dick Walsh, Purchasing; Bill Wilson, Special Devices; Bob Laperle, Contracts; Shirley Ryan, Office Services; Buck Ottens, Model Shop; Ray Carhans, Timekeeping; Russ Hofgren,

Special Devices; Harold Odland, Model Shop; Keith Swab, Production Control; Joe Rocha, Contracts; Harold Richardson, Methods; D. T. Willis, Stockroom; Max Mennen, Model Shop; Al Fonseca, Toolroom; Edwin Thorpe, Machine Shop; and Manuel Salvador Jr., Assembly. Not shown is Jean Emond, Toolroom.