

Xmas Card Drive Will Aid Crippled Children

Librascope employees will kick off their 1956 Christmas Card charity drive the week after Thanksgiving.

It will mark the opening of the second annual campaign to eliminate the mass exchange of Christmas cards within the plant and to divert the monies we would spend for cards to the support of a worthy charity.

More than 900 employees contributed in excess of \$2200 for the benefit of the Los Angeles Orphans' Home Society in 1955. These funds were used to purchase a new stove, an oven, and three months' supply of foodstuffs for the Home.

This year, the Christmas Card charity committee chairmanned by Don Bourquin, contracts administration, has selected the Glendale Society for Crippled Children as the organization we will assist.

The Society was founded in 1928 by Mr. and Mrs. E. M. Ingledue of Glendale to aid crippled children of the community. The Society does this by providing orthopaedic beds, wheelchairs, walkers, braces, special shoes and similar items for use by handicapped youngsters in their homes.

In the 18 years of its existence, the Society has provided equipment for several hundred Glendale and foothill community children—youngsters who were crippled at birth or who were later disabled through injury or disease.

It currently helps more than 50 crippled children and needs only the equipment that we can provide through our drive to lend assistance to many more.

Both Mrs. Ingledue and Mrs. C. W. Houston, society executive secretary, pointed out to the committee that they are in urgent need of wheelchairs and walkers.

The committee selected the Society for Crippled Children over several others for the following reasons:

1. The Society receives little assistance from organized charity campaigns. Its principal support comes from individual donations and what small amounts parents are able to contribute for their child's equipment.
2. It provides equipment for use by crippled youngsters in their homes which they might not otherwise be able to have.
3. It is a local organization.

Our 1956 campaign will be conducted along the lines of last year's. It will extend from Nov. 29 through Dec. 14. During this period employees may make their contributions in lieu of buying Christmas cards for their fellow workers.

Current plans call for distribution of blank envelopes for the contributions in the Nov. 29 pay checks. Also included in your pay envelope will be a blank calling card which you are asked to sign (preferably in black ink) and return with your contribution to your department chairman. Your signature will then be reproduced in a mass holiday greeting in the December LIBRAZETTE.

In addition, your department representative will give you a Christmas tree ornament which you may also sign and place on your department Christmas tree as an expression of Yuletide greetings to your fellow department workers.

Remember—your name on your department tree will help a crippled youngster through the coming years.

President Imm Presents Certificates to 3 Librascope Apprenticeship Program Grads

"Librascope's future is a dynamic one, and we must prepare both ourselves and our subordinates for the duties and responsibilities that come with expansion and growth."

So said Librascope President Lewis W. Imm at an Oct. 12 luncheon commemorating the completion of four years' training by three Librascope apprentices.

Training for Tomorrow

"Through our apprenticeship program we are enabling young men to develop their skills, increase their earning capacities, and are providing the Company and the Nation with vitally needed skilled craftsmen," Mr. Imm stated.

Our various training programs . . . our tuition reimbursement policy . . . the recently initiated university extension classes . . . all are part of a comprehensive Company plan to develop our people, he pointed out.

Following his speech, Mr. Imm presented California State Apprenticeship certificates to the three new journeyman general machinists—Alfred Dimpel, Kenneth Parker and Roger Perraglio.

He also welcomed two men who had just been accepted as apprentices to replace the men completing the program. The newcomers are Gene Rogers and William Vander Zyl.



THREE LIBRASCOPE apprentices register their happiness over completion of four years' training following presentation of California State Apprenticeship certificates by Librascope President Lewis W. Imm. From left to right we have Ken Parker, Al Dimpel, Mr. Imm, Bill Munter, state labor consultant; and Roger Perraglio.

Photo by Duggan



LIBRASCOPE APPRENTICES were honored at a recent luncheon ceremony commemorating the graduation of three of their members to the rank of journeyman machinist. Facing camera at far left are (l. to r.) Apprentices Jim Brain, Al Dimpel, Gene Rogers, Ed Mason and Roger Perraglio. Across the table from them are Apprentice Ken Parker, Dan Fitzpatrick, Precision Lodge No. 1600 business representative; and Joint Apprenticeship committeemen Jess Brown and Wally Small, toolroom. At the center table are Walt Sertic, training director; Presi-

dent Imm, Bill Munter, state labor consultant; Charlie Cole, tooling; and Sid Briggs, industrial relations director. On extreme right are (from rear) George Metcalf, union representative on Joint Apprenticeship committee; Harlan Buseth, production manager; Apprentice William Vander Zyl; and Mac McKeague, personnel manager. Roy Dimon, tool design; Joe Mesch, LIBRAZETTE editor; and Art Davis, general foreman-model shop; are seated across from them.

Photo by Duggan

LIBRAZETTE

AN EXCHANGE OF NEWS AND KNOWLEDGE

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November, 1956

Paul Coates Will Feature LGP-30 On Dec. TV Shows

Company employees will have an opportunity to view the LGP-30, Librascope-developed and manufactured general purpose digital computer, in action on the Paul Coates "Confidential File" television show over Channel 11 at 9:30 p.m. Sunday, Dec. 2, and Dec. 9.

Coates will devote his half-hour show on both nights to a presentation of various aspects of automation. The LGP-30 will be featured both nights.

Santa Will Visit Kids' Party Dec. 8

Christmas will come a little early this fall for all Librascope youngsters when they are hosted at the annual Precisioneer Children's Christmas Party.

More than 500 youngsters on the lookout for Santa Claus are expected to pack the Hoover high school auditorium (on Glenwood Road in Glendale) when the doors open Saturday, Dec. 8.

Librascope Leases New Flower Street Building

Plans Call For Occupancy About Jan. 15; Decision Pending on Who Will Make Move

Announcement that the Company has completed formal arrangements for leasing the modern 10,000 square foot building recently erected at 1600 Flower Street (immediately opposite Building No. 1) was made Nov. 1 by Librascope President Lewis W. Imm.

The new structure, which will be known as Building No. 5, is the second to be acquired in recent months and raises to seven the number now leased or owned by Librascope.

Current plans call for occupancy about Jan. 15, but no decision as to who would move to the new quarters had been made as the LIBRAZETTE went to press.

Considerable work remains to be done on the building before it will be ready for use according to Building Engineer Cliff Dahl.

Air conditioning equipment and lighting fixtures will have to be installed; the building wired for 115-volt, 400-cycle; regulated 115-volt, 60-cycle; and 220-volt, 60-cycle power; additional restrooms must be provided; and an air compressor put in.

Installation of lighting fixtures began Nov. 23 and all work should be completed before Jan. 15 if delivery is made on such items as the air conditioners and the 400-cycle generator, Cliff said. Modification of the interior will cost approximately \$40,000, he indicated.

In addition to the Flower street building, the Company has leased a 10,000 square foot storage facility at 1735 Standard avenue (the first street to the left across the S.P. tracks).

The warehouse, which we occupied about Oct. 15, is being used to store surplus materials such as outmoded shelving and tooling for which there is no immediate need in the plant.

Open House Nights Scheduled for Store

Eileen Brown, Precisioneer store manager, wishes to announce that she will hold two open house nights before Christmas to give the wives and husbands of Librascope employees a chance to view her wide selection of holiday specials.

Open house is scheduled from 7:30 to 9:00 p.m. on the following nights.

- Monday, Dec. 3.
- Monday, Dec. 10.

Moved Recently?

If So, Why Not Let Us In On It?

Are you now living where Company records indicate you are?

If you aren't and have failed to file a change of address with the Personnel department, information of importance to you and your family may be delayed or may not be received at all.

In recent months Credit Union checks and statements, insurance checks, Company letters to the home, and copies of LIBRAZETTE have been returned because employees have forgotten to register a change of address with the Company.

Moreover, statements of federal

Yule Dance In Holiday Spotlight

Librascope couples are already making their plans to attend the last and crowning event on the 1956 Precisioneer social calendar—the annual Christmas dinner dance.

This year's affair, and it promises to be a gala one, will be held Friday night, Dec. 14, in the Ambassador Room of the Ambassador hotel.

Taking their cue from last year's highly successful event, the Precisioneers are again planning a royal evening of dining and dancing for Librascope employees.

Billed as a semiformal affair, the dance will give Librascope guys and gals a chance to parade in their holiday finery and usher in the Yuletide season in style.

Tickets will go on sale the week of Nov. 19, Bill Greer, Precisioneer president, has announced. They are priced at \$5.00 per person and must be purchased before Dec. 10. The Precisioneer prexy emphasizes that NO tickets for dancing only will be sold this year.

He also pointed out that the Precisioneers are anteing up an additional \$5.30 for each person who attends.

Librascope party goers will begin breaking the social ice at a 7:30 cocktail hour. Dinner will follow at 8:30 with diners having their choice of prime roast beef or swordfish entrees. Dancing is scheduled to start at 9:30.

Carroll Wax and his orchestra will provide the music and with the proper encouragement maybe Lynn Fortina, our lady of song, can be coaxed into belting out a few numbers.

More than 700 attended the 1955 Christmas dance and the Precisioneers are hoping for an even larger turnout this year. Let's all go dancing at the Ambassador Friday night, Dec. 14.

income taxes withheld during 1956 will be in the mail shortly after Jan. 1 and while they may not make you happy, these statements will be all important come April 15.

Thus, if you have moved recently, are planning to move, or if you have any reason to believe that your present address differs from the one the Company has, stop in and see Thelma Mays in Personnel Records and bring her up to date.

You'll be helping you, Thelma, Payroll, Office Services, and the Credit Union if you give proper notification every time you move.

Burbank, Santa Ana Activity on Upswing

LGP-30, Flow Computer Spearhead Commercial Sales and Production

By JOE MESCH
Librazette Editor

Three years ago Librascope acquired its first subsidiary, the Minnesota Electronics Corp., a St. Paul, Minn., firm specializing in the design and production of magnetic decision elements.

That acquisition paved the way for the Librascope Burbank and Santa Ana Divisions which today produce and coordinate the marketing of most Company commercial products.



GENERAL MANAGER Dick Hastings (right) is a man on the go these days. Here he catches up loose ends at Burbank with Charlie Krill, his chief engineer, before dashing off to further conferences on commercial activity at Glendale and Santa Ana.

Though MEC was officially dissolved Jan. 1, 1956, Division General Manager Dick Hastings has things humming on a dozen different fronts at Burbank and Santa Ana.

They're In Production

LGP-30's are coming off the line in Burbank. Food fillers, flow computers, and egg blood spot detectors are in production at Santa Ana. Sales are increasing and employment at both plants is at an all-time high.

General Manager Hastings will be the first to admit that divisional commercial production now represents but a small fraction of the total Librascope effort.

In talking to him, however, you soon get the idea he expects the commercial output to rise in the months and years ahead. He and his staff aren't making any wild claims about future production, but the gleam in their eyes and the tone of their voices speaks volumes.

And their quiet optimism may well be justified. Industry response to such items as the LGP-30 and the flow computer has been most heartening.

Expansion Is Necessary

At Burbank, orders for 60 LGP-30s are already in hand and present production facilities are overburdened. Remodeling of the rear building at 133 E. Santa Anita Ave. is now in progress and Murray Harrison, Burbank production manager, hopes it will be ready for occupancy by Dec. 1.

Both Dick and Murray expect that the present work force of 62 will increase to 100 or more in the next couple of months. Bulk of the increase will be in the production area but expansion of the engineering, sales and office forces is also contemplated.

While LGP-30 production is the big story at Burbank, the Division is also turning out Plotter accessories including punched tape, punched card and binary converters. It also manufactures two types of NOISERASERS, tape demagnetizers, one for use by radio stations and other large scale users of tape . . . the other, a small, lightweight version for hi-fi enthusiasts.

Electronic Products at Burbank
To date, production at Burbank has remained in the area of electronics. Santa Ana Division production, on the other hand, has been concentrated on items that are basically mechanical in nature.

The Flow Computer is the only item currently in large scale production at Santa Ana, but both the egg blood spot detector and the color discriminator should be in production shortly after the first of the year.

Food fillers are in limited production and while Everett Minard's design is a good one, the competition in this area is particularly fierce.

Although Santa Ana has only a score of employees today, Production Manager Jule Harrah expects his force to increase in the next couple of months.

We're New in the Field

It should be kept in mind that Librascope's entry into the commercial field is a comparatively recent one, dating back at most five years. Most of our commercial products—and they are good ones—were developed in the past three years.

Some concerted effort was made to push them, but the commercial program of necessity had to play second fiddle to that of the military. Nevertheless, important lessons were learned and valuable experience gained during these form-

Commercial Evolution

Minnesota Electronics Corp., St. Paul, Minn., acquired Jan. 1954. Dick Hastings appointed general manager Aug. 1954.

Minn. Electronics Corp. Calif. Associates formed in Santa Ana—Everett Minard named manager Oct. 1954.

St. Paul operations moved to Burbank April 1955.

Minn. Electronics Corp. formally dissolved Jan. 1956. Burbank and Santa Ana Divisions continue operation as separate units.

Commercial Sales transferred to Burbank Div. Dick Hastings assumes responsibility for Santa Ana operations June 1956.

ative years—lessons and experience that are now being applied to good advantage in drawing up plans for a Commercial Division.

Several sound reasons for the establishment of such a division exist, Dick points out.

A Different Approach Needed

For example, commercial marketing requires an entirely different approach to that used in sales to the military. This difference, and it is a fundamental one, will be clear to the reader as we go along.

Separation of facilities is advisable according to Dick, since higher priority military projects can delay commercial production schedules and disrupt sales activity.

Moreover, you can have better coordination of effort, more efficient planning and increased operating control when authority and responsibility are centralized in a single operating agency.

Organization under the plan is along conventional lines with sales, engineering and production heads reporting to Dick who in turn reports to Bill Bratton, vice-president, operations.

Sales Coordination

Today, commercial sales are the particular province of Ed Hirt, Hugo Shane and Bob Jewett. These men are responsible for planning and coordinating the marketing of all commercial products.



MARKETING METHODS are tailored to fit the individual sales needs of the several Librascope commercial products. Responsibility for planning and coordinating this diversified sales program rests with Sales Engineers Ed Hirt (left) and Hugo Shane. They are assisted by Bob Jewett, who is currently on leave of absence after undergoing major surgery.



LIBRASCOPE'S LGP-30 digital computer can solve complex mathematical problems in a matter of minutes and save valuable engineering time in the process. Here, under the watchful eye of Jack Behr, Royal-McBee applications engineer, a production model solves four simultaneous differential equations as it works out the solution to a problem submitted by DuPont's Engineering Research Laboratory, Wilmington, Del.

Most of the actual selling will be done, as it has in the past, by sales representatives. Ed and Hugo will work in close cooperation with these representatives, supplying them with current product information and cluing them in on developmental activity.

Certain of our commercial products, however, require special sales approaches. For example, the food fillers manufactured at Santa Ana will be marketed exclusively by the W. F. and John Barnes Company, largest producer of station-ized production equipment in the country.

Another technique must be used for the egg blood spot detector. The detectors will be marketed by Food Systems, Inc., who will sell

and service them for the egg industry.

Varied Sales Approaches

The flow computer utilizes still another approach. Since it is of particular interest and value to the oil and gas industry, it will be marketed by specialists in that area, the Barton Instrument Co., makers of metering equipment and recorders.

The Burbank Division is even in the retail business—but it plans to get out in a hurry. The NOISERASER line of magnetic tape degaussers and Record Life, a liquid preparation designed to increase record fidelity and reduce wear, are now sold exclusively through the Burbank Division.

Current plans call for marketing both products nationally when the necessary outlets can be established.

As reported in previous issues of the Librazette, LGP-30 sales will be handled by Royal-McBee with Royal Precision Corp., a joint subsidiary of General Precision Equipment Corp. and Royal-McBee, handling its promotion.

Engineering Responsibility Split

In the area of engineering, responsibility is now split between the Burbank and Santa Ana Divisions and the Engineering Division's Commercial department headed by Wayne Blackburn.

As now visualized Wayne's Commercial department will continue to be responsible for new product development up to the breadboard stage. Engineering responsibility at Burbank and Santa Ana will probably remain in the areas of final design, packaging and application to specific customer needs.

A pattern for Librascope commercial operations has now been laid out by Dick Hastings and his enthusiastic and hard-working Santa Ana and Burbank Division crews.



INCREASING COMMERCIAL production at Burbank has necessitated expanding to a second building of the plant. Wiring operations, such as those

shown here, will move to the newly remodeled structure shortly after Dec. 1 according to Burbank Production Manager Murray Harrison.



PRODUCTION VERSIONS of the LGP-30 take shape at Burbank. George Whiteford (kneeling) attaches a component to a computer frame while Brad LaGuess readies a section for installation. LGP-30 production will rise to 10 a month early in 1957.



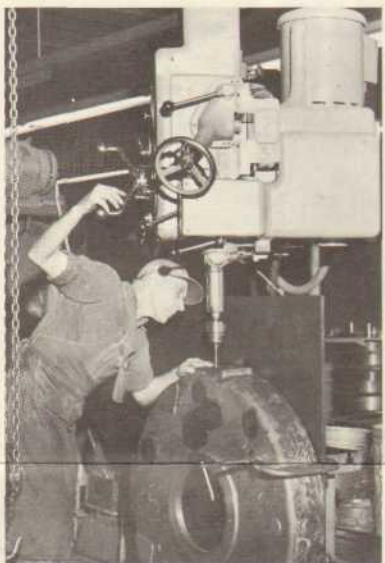
EVERETT MINARD, Santa Ana Division engineer, poses with his latest creation, an 18-station food filler built for Campbell Soup. An even larger unit, the 36-station filler shown in production elsewhere on the page, will be ready for delivery in the near future.



... Jack Klosterman



... Jule, Fred and Chuck



L. C. RUSSELL, Santa Ana Division milling machinist, is pictured on the left as he completes a drilling operation before boring the gear case for a new 36-station food filler. On the right Otto Marin makes a final setting as he prepares to bore the top cover for the gear case Russell is working on.



PHIL OLMSTEAD, Santa Ana Division shop foreman, checks over a part for a 27-station gravity food filler with lathe operator Bob Moody.



... Carroll Schramling



... Wally and Pat



... winding potentiometers



... Burbank model shop



... Santa Ana plant



... Shirley Wiegand



... Burbank's Lavonne, Elaine, Carole and Jeanette

Jr. Achievers Say Stilts Make Ideal Xmas Gifts

If you're puzzling over what to buy little Willie or Susan for Christmas, a group of 14 enthusiastic young businessmen and women may have the answer for you. They recommend a pair of Libracraft adjustable stilts.

Libracraft stilts are manufactured by the youthful members of the Libracraft Corp., a Junior Achievement company being sponsored during the 1956-57 school year by Librascope. The anticipated selling price for the Corporation's entertaining little gadgets is \$2 a pair—a price you just can't hardly buy anything for these days.

Prior to going into full scale production, the corporation conducted extensive field tests of their product and learned that youngsters from 5 to 50 could use them with ease.

The Junior Achievers have their stilts in production in anticipation of a great holiday season demand. Some of this production will soon make its appearance at the Precisioner store and Librascope employees are urged to look them over.

Several Librascope men have had a hand in getting the new corporation rolling. They are Bill Bell, contracts, the business advisor; Hugo Shane, Burbank Division, the sales advisor; and Carl Culver, wiring, the production advisor. Assisting these three have been Hal Luth, accounting; Ed Hirt, Burbank Division; and Herb Darby, assembly.

Nomination of Precisioner Officers for '57 Opens Dec. 3

Nominations for the officers who will direct Precisioner activities during 1957 will begin Dec. 3 when nomination ballots are distributed to employees, Bill Greer, 1956 Precisioner president, has announced.

Nominations will close Dec. 7, he said. Voting for officers will begin Dec. 21 and all ballots must be returned by noon, Wednesday, Dec. 26. The results will be announced on or before Dec. 28 so that new officers can assume their duties Jan. 1.

The Librazette

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Jobe, McAboy Tumble In Calcutta Playoff

The kings are dead. Long live the king—whoever he may be.

That is the surprising turn of events in the play-off to determine the champion golfer in the 1956 Librascope Calcutta. Both Burbank Division's Wally Jobe, who won last year, and that six-time winner, Bill McAboy, engineering-administrative, were defeated in first round play.

In a prize upset Bill Newman, model shop, used his 7-stroke handicap to good advantage in downing McAboy. Newman now must face Johnny Grieshaber, contracts, to determine who will face Charlie Snively, methods, in the upper bracket semifinals.

Charlie ousted Art Davis, model shop, by scoring a 2-up victory over Art on Griffith Park's Harding course Oct. 21.

In the lower bracket, Bill Bratton, vice-president, operations, established himself as something of a favorite when he handed Ed Sullivan, operations analysis, and Cliff Godwin, engineering-special devices, successive 1-up defeats on a single week-end.

Godwin had earlier defeated Jobe to assure a new champion this year.

Welcome

Librascope welcomes the following new employees who joined us during October:

Adjusting
James E. Daffron—Instrument Technician B.

Richard L. Nadeau—Instrument Technician B.

Engineering-Administrative
William Grant—Design Draftsman.

Engineering-Airborne
Robert Hermann—Engineer.

Engineering-Shipboard
Maurice Albert—Designer.
Allen Storey—Engineer

Engineering-Special Devices
Morris Birnbaum—Engineer.

Machine Shop
Chester E. Cameron—Mills.

Edward T. Campbell—Grinding.

Theodore G. Lasker—Mills.

Bennie M. Morgan—Burring.

Carl J. Moser—Lathes.

James J. Murphy—Lathes.

Luther E. Palmer—Burring.

Helmer J. Peterson—Mills.

Manuel Sanz Jr.—Lathes.

Logan Underwood—Mills.

Ace Watson—Mills.

Rudy Zeitner—Mills.

Dewey W. Zimmermann—Burring.

Model Shop
Ernest J. Husted—Experimental Machinist.

Inspection
Robert P. Stuart—Parts Inspector.

Clifford A. Peter—Electrical Inspector.

Publications
William Downs—Technical Writer.

Charles Gilkey—Technical Writer.

Purchasing
Nadine Buss—General Clerk.

Tooling
O. Russell Grosse—Toolmaker.

Walter E. Marley—Toolmaker.

Two Men Named to Supervisory Posts

Two Librascope men have been added to supervisory posts in recent promotions announced by their department heads.

William T. Giles, a Company employee since April, 1953, was promoted to Foreman-Inspection effective Oct. 8 on the recommendation of Paul Metzger, department supervisor. Bill had been a Precision Electrical Inspector prior to assuming his new duties.

In the Timekeeping section, Bill Burns assumes the supervisory reins released by Art Curley, who moves over to Felix Ellingson's Systems and Office Services department as a Systems Analyst.

Burns has been with Librascope since May 1954 while Art has been an employee since Oct. 1953.

Joe Mesch, LIBRAZETTE editor, downed Carl Culver, wiring, by a 3 and 1 margin to enter the second round where he will face Forrest McColl, adjusting. The winner will face Bratton in the lower bracket semifinal match.

Guttersnipes Lead Company Bowlers Into Second Round

Company bowlers competing in the Thursday night Librascope league at Burbank Bowl entered the second lap of seasonal play with a common goal—to dethrone the first place Guttersnipes.

At the end of nine weeks of bowling the standings looked like this:

Team	Won	Lost
Guttersnipes	27½	8½
Cherry Pickers	23	13
Misfits	21	15
4 Hits & a Miss	17½	18½
Maplenuts	16	20
Five Luckies	15	21
Pin Splitters	13	23
Leftovers	11	25

High individual efforts for the season to date included a sparkling 574-87-661 series for John Filkins, engineering, and a 236-26-262 game for George Kucks, materiel control. John anchors the Leftovers while George holds down the same spot on the Misfits.

The girls haven't been lagging too far behind either. Ginger Wall, engineering, paces the ladies with a 485-120-605 series. Ginger is a member of the 4 Hits & a Miss. The Guttersnipes' Nancy Slike, publications, racked up a 183-40-223 game to stay in the running for the high game of the year among the girls.

Baker's Dozen Are Promoted In Oct.

The LIBRAZETTE congratulates the following Librascope employees who received promotions from within during the month of October:

Assembly

Frank E. Bacon promoted from Final Assembler to Final Assembler-Leadman.

Engineering-Commercial

Gerald V. Harries promoted from Electronic Technician to Junior Engineer.

Engineering-Shipboard

Arnold D. Larson promoted from Engineer to Senior Engineer.

David W. Hackett promoted from Junior Engineer to Engineer.

Dwight E. Roof promoted from Detail Draftsman to Junior Engineer.

Machine Shop

Earle D. Tempesta promoted from Machinist-Gear Cutter to Machinist-Gear Cutter Leadman.

Manufacturing

Dallas R. Mason promoted from Experimental Wireman to Methods Analyst.

Model Shop

Eva V. Clerici promoted from Wireman to Experimental Wireman.

Production Control

Sam D. Houchin promoted from Dispatcher to Parts Coordinator.

Thinerio J. Maggio promoted from Dispatcher to Parts Coordinator.

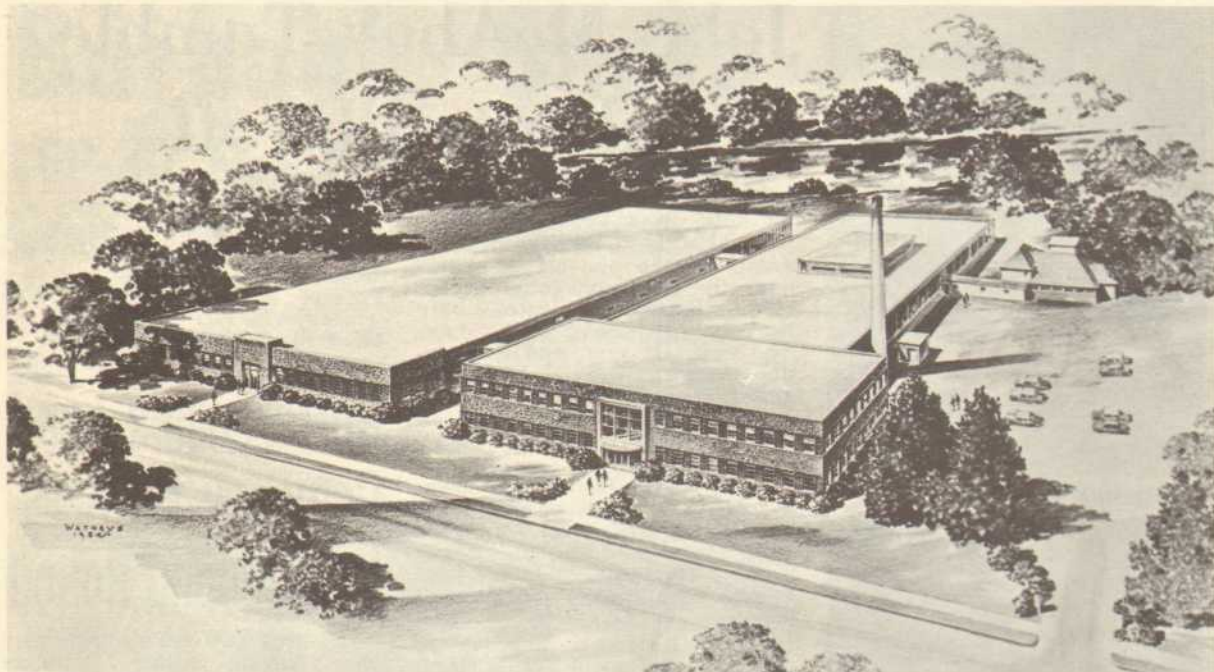
Howard Miller promoted from Dispatcher to Parts Coordinator.

Publications

Elena D. Mula promoted from General Clerk to Assistant Technical Illustrator.

Shipping and Receiving

Joseph R. Pleso promoted from Parts Mover to Shipping and Receiving Clerk.



CONTINUING EMPHASIS on research and development activities has made Kearfott Company, Inc., a leader in the aircraft instrumentation field. Founded in 1917 as a designer of marine specialty products, Kearfott today is most active in the field

of aviation. The Company now has 5700 employees in 10 major New Jersey, California and North Carolina plants. Shown here is their Plant No. 1 located in Little Falls, N. J.

(Photo Courtesy of Kearfott)

Dynamic Research and Development Program Sparks Kearfott Growth

Pioneering Work in Radio Compass Systems Has Made Company Leader in Its Field

Approximately 40 years ago, two men—Mr. William Kearfott and Mr. F. D. Herbert, Sr.—joined forces in New York City and formed a small engineering business to design and supply specialty products for the marine industry.

The time was 1917 and the world was at war. The new firm found a ready market for its products in an expanding U. S. Navy and merchant marine and prospered accordingly.

When Mr. Kearfott died a year later, Mr. Herbert purchased the company and during his many years as president guided the firm to its present position as a leader in the aircraft instrumentation field. Mr. Herbert died in Aug. 1955. and Don Smith, former vice-president, Engineering, was elected Kearfott president.

Ship Windows a Specialty
With the sharp decline in shipyard activity that followed World War I, Kearfott tightened its product line, specializing in the design and manufacture of custom-made ship windows and in the marketing of Terry steam turbines and main engine piston rings.

The Kearfott name is still a standard for specially designed marine windows and related equipment. Kearfott windows are installed in the record-shattering luxury liner "SS United States" and in many U. S. Navy vessels including the supercarrier "USS Forrestal."

Kearfott, however, was not content to place all its eggs in an ocean-going basket. The budding aircraft industry appeared to offer challenging opportunities for an engineering development firm and in 1932 the Company expanded its engineering activities into the aircraft instrument field.

Pioneers Radio Compass System
It wasn't long before Kearfott had evolved one of the first successful automatic aircraft radio compass systems and was on the way to establishing itself as a leader in the field.

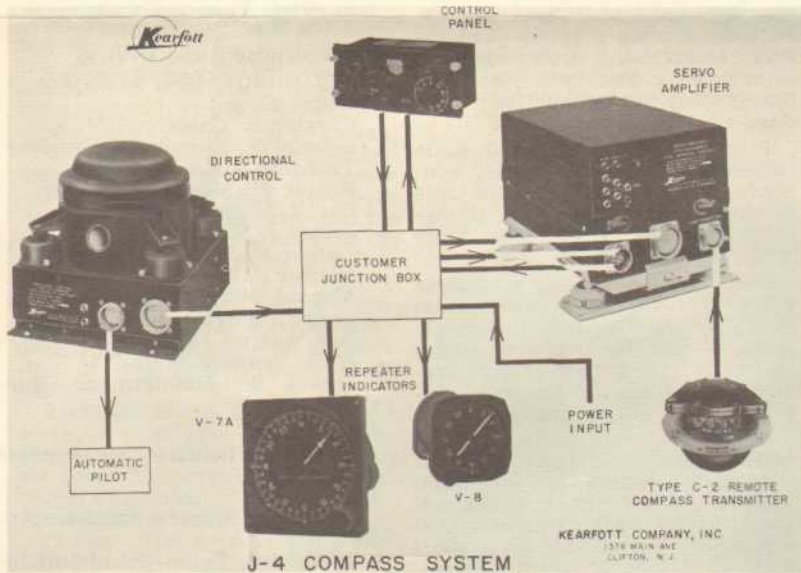
Since that initial success, Kearfott has specialized in the design and production of aircraft radio compass loop and indicator equipment. At the same time it has greatly expanded its aircraft instrument engineering and development program.

As a result of its pioneering work in the 1930's, Kearfott was ready to assist in the buildup of U. S. air power during World War II. It supplied our Armed Forces with practically all of the loops and indicators used in airborne automatic radio direction finders. By the end of the war, the Company was firmly established in the aircraft instrument field.

Meets Challenge Squarely
The termination of all government contracts and the impact of

Kearfott is also an important designer and producer of a variety of precision systems and components for the aircraft and guided missile industry. These include synchros and servomotors (which find application in many Librascope products), amplifiers, stable elements, gyros and gyro systems, angle counters and computers.

The emergence of Kearfott as a leading producer in the aircraft instrumentation field brought with it the need for an almost continuous expansion of facilities and manpower.



THE J-4 COMPASS system shown here is a prime example of why Kearfott is one of the nation's most important designers and manufacturers in the aircraft instrumentation field. This system, essentially a smaller and lighter version of Kearfott's famous N-1 directional gyro compass, is designed for installation in U. S. military fighter and interceptor aircraft.

(Photo Courtesy of Kearfott)

the postwar recession were squarely met by Kearfott with an additional expansion of its engineering design and development activities.

This dynamic approach has led to the development of a radically improved directional gyro compass system known as the N-1. The N-1 systems, standard equipment on all heavy U. S. military aircraft throughout the world, provide eight times the accuracy of their World War II counterparts.

An even newer system, the J-4, is now in production. The J-4 is a smaller and lighter directional gyro compass system with performance comparable to that of the N-1 system. The J-4 system is illustrated elsewhere on this page.

Another Kearfott First

The importance of its research and development program was pointed up even more convincingly in recent months with the introduction to production of its Central Gyro Reference System.

This system, using a three gyro stable platform, is installed in aircraft flying patrols in the Nation's Air Early Warning System off both coasts of the U. S.

It Just Grows and Grows

In 1948, the Company purchased the plant of one of its sub-contractors, Foote-Pierson and Co. This Newark subsidiary, now known as Kearfott Manufacturing Corp., manufactures the products designed and developed by the Kearfott Engineering Division.

Kearfott expanded to the West Coast, establishing its Western Division in Pasadena in late 1953. This was followed by the acquisition in June, 1954, of a second facility in Van Nuys. April, 1955, saw the completion of quarters to house the Asheville Division near Asheville, N. C.

Today, Kearfott's 5700 employees make it the largest employer in the GPE organization. The research and manufacturing facilities of the Kearfott companies occupy over 570,000 square feet of floor space.

(Editor's Note: This is the third in a series of articles on the GPE organization and its subsidiaries. The series is being presented in order to better acquaint our readers with the products, personnel and facilities of the GPE chain.)

Don't miss Librascope's "You and Your Future," broadcast Monday through Friday at 6:55 a.m., over radio station KABC.

Librascope Credit Union Offers You Many Benefits

Do you know that two out of every three Librascope employees belong to the Librascope Employees' Credit Union? That these members have invested more than \$300,000 in it through the medium of payroll deductions? That your Credit Union has made loans totaling almost \$1 million since it was organized in April, 1953?

Mere statistics, however, tell only part of the story. They cannot begin to reveal the benefits that Credit Union members derive through their participation.

Make Thrift a Habit

Most important, perhaps is the development of a habit of thrift through a planned savings program. Putting aside a little each week or each month is like patching the roof when the sun is shining—you're assured of protection when it rains.

On the other hand, there are times when you need a little more cash than you can lay your hands on. Here again the credit union is ready, willing and able to grant you a personal loan to cover the cost of that new refrigerator, TV set, or rug, and will finance that new automobile without asking for your right arm in return.

The Librascope Credit Union offers you a safe, sound and sensible means of saving or borrowing. Its members are all your fellow workers. They elect their own officers and committeemen and set credit union policies at their annual meeting.

You're Protected

What protection, you may ask, will you be afforded as a credit union member? The financial soundness of credit unions is assured in several ways. For example:

Credit unions operate under the provision of state and federal laws.

A supervisory committee of members keeps an eye on all credit union operations.

Credit union books are audited regularly by state authorities.

All credit union officials handling funds are bonded.

Reserves are set aside each year to cover any uncollectible loans. It is worth noting that less than one-fifth of one percent of credit union loans are not repaid—a very fine record, indeed.

Whether you use your credit union as a savings or as a lending agency, you stand to benefit.

The Return Is Good

From the capital accumulated through deposits, the credit union makes loans to members. Earnings after expenses and legal reserves are returned to members. Such earnings have averaged about four percent per year in our credit union.

Loans, at a low rate of interest, are made to members for a variety of purposes. You may borrow to pay off old bills; to meet tax bills or medical expenses; for home repairs, education, vacations, and automobiles; to take advantage of financial opportunities or meet family emergencies; and for many other reasons.

The following chart will give you an idea of the savings you will effect if you borrow through your credit union:

	Amt. Service	Down	Total	Total	True
If you borrow from: (18 mos.)	Charge	Paymt.	Paymts.	Repymts.	Interest
Bank	\$500.00	\$5	\$545.00	\$550.00	\$ 50.00
Finance Co.	500.00	.....	616.50	616.50	116.50
Dept. Store	500.00	10.00	540.00	550.00	50.00
Appliance Dealer	500.00	45.00	610.04	655.04	155.04
Auto Dealer	500.00	.....	579.42	579.42	79.42
Credit Union	500.00	.....	547.50	547.50	47.50

How to Join

Any Librascope employee is eligible to join the credit union. All you must do is fill out an application and pay a fifty cent entry fee.

How much you may borrow on your own signature is determined by your length of service with the Company. It can be as much as \$500. You may borrow larger amounts if you have a co-signer.

Officers of the Librascope Employees Credit Union for 1956 include: Hal Luth, accounting, president; Mildred Huggins, accounting, vice-president; Eugene Strong, engineering, secretary; and Dorris Eberle, treasurer. All officers except Dorris, who is permanent treasurer, are elected annually by credit union members.

For additional information you are invited to contact the credit union office located in the Personnel Department. The credit union is open for business Monday through Friday from 11:45 a.m. to 12:30 p.m. and from 4:00 p.m. to 4:45 p.m.

Skid Marks in Parking Lot Tell Tale of '56 Gymkhana

Valley sports car owners, 135 strong, left their marks in the Librascope parking lot Sunday, Oct. 14, as they wove their several ways around and over the pylons in the third annual Glendale Gymkhana.

Sponsored by the Glendale Junior Chamber of Commerce in cooperation with the Foothill Foreign Car Club, this year's meet drew twice as many entries as last year's affair.

Despite the large turnout, the event was marred by only one minor accident. An errant Jaguar tried to make its escape via the parking lot fence.

Seven Librascope owner-drivers competed in the meet with Frank Copple, engineering-administrative, topping the local entrants with an elapsed time of 197.7 seconds.

Since Frank had laid out the course, he discreetly declared himself ineligible for the Precisioneer-donated Librascope trophy with the result that second place finisher Bud Linsley, engineering-shipboard, was named the local winner.

Bud toiled his Simca "Buttercup" through the pylons in an elapsed time of 204.15 seconds to beat out those demon Porsche pilots George Duvall and Gray Lange, engineering-shipboard, and Bill Newman, model shop.

Newman, however, was one of the drivers for the Porsche Club that copped the team trophy.

Other Librascope entrants included Rick Girouard, engineering-administrative, and Eric Stewart, inspection.

Williamsons Host Airborne Department

Engineering-Airborne's Bob Williamson and his wife, Antoinette, hosted a party for department members Oct. 21 and the affair was a whopping success.

More than 100 Airborne employees and their escorts showed up for an afternoon of swimming at a pool Bob had reserved for the occasion.

Following their natatorial cavortings, the guests retired to the Williamson's foothill home for a buffet dinner and a quiet evening of conversation in the patio.

For those who hadn't expended all their energies in the pool, Bob thoughtfully provided ping pong tables. Others, less athletically inclined, matched wits over a king-sized checkboard laid out on the patio floor.