



D. C. WEBSTER
... Chief Engineer



Bond Drive Chairmen Sign Up 424 in Week

Savings totaling more than \$100,000 yearly were assured Librascope employees who signed up during the U. S. Savings Bond drive.

The week-long campaign was authorized by General Precision Equipment Corporation and was conducted during the week of September 12-17 at all GPE subsidiaries. While results from other companies in the GPE family have not yet been obtained, Librascope officials feel our drive was an unqualified success.

Almost half of Librascope's 1000-odd employees were signed up by departmental representatives during the drive.

For the statistical-minded, the 424 who signed up authorized payroll deductions totaling \$1790 a week. This sum represents the purchase weekly of bonds valued at \$2236, or \$116,272 worth of bonds a year. Individual payroll deductions average out at \$4.17 per pay period.

Major credit for the success of the drive must go to the department chairmen and their representatives who contacted each of us not once but several times during the week.

Hats off to Art Curley, Bob McCoy, Buzz Newman, Betty Meyer, Ozzie Osborn, Walt Sertic, Dean Frederick, John Blake, and Lavonne Wellen for a job well done.

Krill Appointed To MEC Post

Appointment of Charles Krill to the post of Chief Engineer of Minnesota Electronics Corporation has been announced by Dick Hastings, MEC general manager.

Krill, supervisor of electronic engineering at Librascope since 1948, assumed his new duties September 6.

Charlie takes with him to his new post at MEC a broad background of electronics experience—experience which will be of far-reaching importance in the future.

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

Employees Approve Yule Plan

Enthusiastic approval of a Yuletide charity program in lieu of a mass exchange of Christmas cards within the company is reported by the committee formed to study the plan.

First suggested by the Precisioneers and reported in the last issue of the Librazette, the idea brought generally favorable comment from Librascope employees who have watched their Christmas mailing lists grow to unmanageable size.

The eight-member committee selected to formulate plans includes Keith Kinnaird, Galen Mannan, Ruth Kennerknecht, Chuck Keessling, Pauline Ponnish, Charles Carroll, Herb Darby, and Mac McKeague.

Substituting philanthropy for a company-wide exchange of greeting cards is a growing trend in industry, especially with organizations as large as Librascope.

The committee is studying suggested philanthropies, many proposed by employees, and full details will be carried in the November Librazette.

Under the projected plan, employees, who last year exchanged upwards of 10,000 Yule cards, would be invited to give a donation to a company-wide Philanthropy Pool. The actual program would be carried out with as many Librascopers as possible personally participating.

Committee members are also discussing ideas for a form of token holiday greeting to be displayed within buildings or departments of the plant.

Engineering Regrouping Keyed To Growth and Diversification

Librascope's Engineering Division is moving forward in design and development work under a new organizational structure keyed to the company's growth and increasing product diversification.

Engineers, designers, technicians and clerical personnel—240 strong—regrouped forces in a manner as precise as the military forces which they team up to strengthen the nation's defenses.

Five departments, each having complete responsibility and authority for performing all engineering phases of a project within its area of business endeavor, emerge in the new divisional structure.



BILL McABAY
... Administrative

Chief Engineer D. C. Webster, who announced the changes after reviewing the organizational structure with President Lewis W. Imm, stated that each department will conduct its own research and development and become expert in its field and will in addition:

1. Become familiar with potential markets and secure new business in its own area;
2. Develop and maintain continuous customer contact;
3. Prepare its own quotes and conduct related correspondence;
4. Be responsible for effective performance under its contract or commercial assignments.



BOB DIETRICH
... Airborne Equipment

The five departments, each functioning under a director responsible to Chief Engineer Webster, are Commercial, Special Devices, Airborne Equipment, Shipboard Equipment, and Administrative.

Departmental directors are Bill McAbay, administrative; Tom Bryant, shipboard equipment; Bob

Dietrich, airborne equipment; Les Bentley, special devices; and Wayne Blackburn, commercial.

The shipboard equipment, airborne equipment, special devices, and commercial departments will become smoothly functioning organizations specializing in areas to which the members uniquely are suited. Teams of engineers, designers, technicians, and others will work as self-sufficient units under the immediate direction of a project manager.

The Administrative Department will fulfill important liaison functions with other departments and with the Manufacturing Division. Under the Administrative department will be the Engineering Services and Field Service units, and the production engineering section. Drafting and checking personnel also will be under its direction, forming talent pools from which work assignments will be made on the basis of assisting workload flexibility throughout.



TOM BRYANT
... Shipboard Equipment

In his August 26 letter announcing there would be an organizational review, President Imm stated:

"During the past few years Librascope has been going through a period of rapid growth. This applies not only to increase in facilities and number of employees, but also to the number of products, both military and commercial, which have been undertaken."

Continuing, he said, "This diversification is desirable and adds greatly to the security of the future of the Company. Certain organizational problems have resulted, however, and it appeared that we should review our entire engineering organizational structure, with a view of finding the best way to get things done, establish better communications and means for work measurement."

In line with this, the new structure is pointed toward:

1. Clearly defining individual jobs.
2. Spelling out areas of responsibility and lines of authority within the division.

Both goals, according to Mr. Imm and Mr. Webster, have far-



LES BENTLEY
... Special Devices

reaching effects on Librascope's over-all efficiency and will channel the company's path toward greater success.

As stated, the divisional regrouping and redeployment was skillfully executed. Those involved, and they included the Bulk of the Engineering Division, began their mass redeployment maneuver October 1 when they weighed anchor with such prized possessions as slide rules, T-squares, drawing boards, pencils and typewriters and sailed off as far as another room or another desk area.

Sans duffel bags, members of Librascope's engineering division utilized packing boxes in the voyage. Most of the crew were old hands at reberthing, having taken part in the shakedown cruise of the new Administration and Engineering building just one year ago.



WAYNE BLACKBURN
... Commercial

Two Promoted in Personnel Dept.

Continued company growth leading to an expansion of personnel department functions is reflected in two promotions announced October 12.

Ray McDonald, former employment manager, has been named to fill the new post of wage-salary administrator.

Succeeding Ray as employment manager is Glen Seltzer, who moves over from Engineering to assume his new responsibilities.

Shell Oil Purchases 3 Flowmeters

Warren Perrine, project manager in the Engineering Division's Commercial Department, knows his onions about selling flowmeters; showed it recently when he landed a big, new customer, the Shell Oil Company of TCP additive fame, for Librascope.

Warren made believers out of 12 Shell Oil Company reps who were in Southern California to attend the Instrument Society of America's annual show. First Warren explained how the Librascope flowmeter would pulse total natural gas flow on Shell trap farms (distribution points) more accurately than any other device on the market today. Then he

played up the "save money" angle. Finally he showed them just how the flowmeter works. That did it!

So far Shell has ordered three flowmeters. These will be put to the test. Shell figures to order additional flowmeters if the initial three live up to their advance billing.

Most of the visiting Shell officials, who came from far distant points in the U. S. and Canada, had first learned of the Librascope flowmeter through sales literature. With their curiosity already stirred, they happily accepted Warren's invitation to see an actual demonstration.

Especially appealing to the men from Shell, is the way the meter permits direct—thus faster—reading of figures. Need for slide rule mastery and complex computation with paper and pencil, before tallying final flow, is practically eliminated.

Dark horse — and white hope, too—in Librascope's commercial product lineup, the flowmeter has also piqued interest in other industrial quarters. Southern California Gas Company, for example, has made inquiry. So have many other companies whose operations require measuring large flows of compressible fluids.



PLANT SECURITY is a "round the clock" operation at Librascope and other firms working on vital projects linked to our national defense. The task of seeing that plant security is not breached falls to men such as the Librascope guards shown above. They are (l. to r.) Bob Trowbridge; LeRoy Brown; Archie Taylor; Charlie Myers, day shift supervisors; and Walter Doty. Not present at the time the above picture was taken were Ernie Wenberg; R. J. Blackhurst, swing and third shift supervisor; Edwin Kostland; John Carlson; C. L. Jenkins, and O. A. Young.

Plant Guards Hold Key to Our Security

By DONNA SNYDER
Librazette Staff Writer

A security program without national defense plant guards certainly would be akin to a dike with a thousand holes.

Yet, the efforts of these men who keep watch over Librascope are often undervalued and sometimes misunderstood.

When Librascope sentinels such as Charlie Myers, "Pop" Giles, and Ernie Wenberg insist on seeing EVERY employee's badge as they enter the plant and all material carried out, they are not being cantankerous. Rather, they are holding to a guard's cardinal rule of NO EXCEPTIONS.

Nearly every member of the team has a public protection or service job in his background. Included are former fire department captains, policemen, post office personnel, and Service representatives.

Charlie Myers heads the day shift. With Myers on the day force are Walter Doty, F. O. "Pop" Giles, Bob Trowbridge, and Ernie Wenberg. R. J. Blackhurst is in charge of the swing and third shift guards. Blackhurst, Leroy Brown and Archie Taylor are the swing shifters; while Edwin Kostland, John Carlson, C. L. Jenkins, and O. A. Young work graveyard hours.

Contrary to the popular conception, plant security officers don't rest while working.

The day guards, in addition to the regular checking of employees at shift changes, are responsible for escorting, or providing an escort, for all visitors and outside service people while they are within the plant, with the exception of those holding complete clearance.

Also within the guards' jurisdiction are delivery trucks and their drivers who are not allowed beyond the doors of the shipping and receiving department.

And if you think the night guards have time to relax, check over their duties and the walking involved in patrolling the company area. The three buildings are always under 24-hour surveillance. A total of 39 clock stations are distributed throughout the buildings and each of these stations must be checked every hour. As the wag said, keep walking!

Next time it's raining and your badge is "lost" under a mountain of wet weather paraphernalia, don't grumble at the wary guard. So, he's seen you every morning for five years—just try to remember that he's not taking you for granted and he only asks the same of you in return.



F. O. "POP" GILES
... Security Plus

Librascope's guards, and their counterparts throughout the nation, are the men immediately responsible for preventing classified information from falling into unauthorized hands.

Theirs, indeed, is a great responsibility and it can best be carried out by keeping unauthorized personnel out of the plant by the use of badges, and by keeping all classified papers and materials in the plant by requiring package passes which are issued by a responsible supervisor.

Bulwarking the security program is not a completely strange job to the 12-man Librascope guard team.

Radiation Detector for Civil Defense Offered

Compact. Inexpensive. Easily operated and read.

This is what the military and civil defense wanted in a radiation detector and this is what Librascope's research laboratories are ready to give them.

The Balanced Ionization Chamber, known as the BIC-2, is in limited production after months of design and development.

Scientifically, it is regarded as especially significant because it is NOT in the geiger counter category.

Only its size—18 ounces, 3 by 3 by 6 inches—belies its important-sounding name. What it will do for the civil defense worker or soldier moving into an atom-bombed area is not only important but life-saving.

A flick of the switch and the wearer would know almost instantly how long he could remain in the contaminated area without suffering fatal radiation.

Switched on, the instrument begins radiation measurement by balancing the negative ion current of external radioactive material against the positive ion current which an alpha transmitter within the BIC-2 is developing.

As the negative ion current mounts, a radium-treated needle measures the corresponding radiation factor on a calibrated scale of roentgens. The BIC-2 scale ranges from .05 to 50 roentgens per hour.

Fatal radiation to a human being is approximately 200 roentgens.

By dividing the scale reading into 200, the wearer can easily determine the time length before radiation is fatal.

If the BIC-2 scale reads 50 roentgens, the wearer would know a four-hour stay would prove fatal. Under a reading of "50," according to scientists, a person could remain safely in the danger area from one to two hours, taking about half of the fatal dosage of 200 roentgens.

Shock- and moisture-proof, the BIC-2 will operate for up to 180 hours on hearing-aid batteries. The sealed unit is easily carried by a permanent belt, or shoulder strap, attached to the instrument.

Other than periodic changes of the batteries, the instrument requires no further service maintenance or adjustment.

Parking Lot to Be Locale of Glendale 1955 Gymkhana

Librascope's parking lot will assume a racier aspect than usual Sunday morning, October 16, when the clan gathers for the second annual Glendale Gymkhana.

When action begins at 9 a.m., sports car enthusiasts will have a chance to watch highly skilled drivers pilot their favorite sportsters through a tricky, pylon-punctuated course.

Several members of the Librascope Sports Car Club plan to pit their driving skills against entrants from other clubs throughout Southern California.

Engineering's Fred Kirr and Bud Linsley; Denise Miller and Pat Hanson from materials control; Factory Superintendent Harlan Buseth; and Lloyd Sommerfield, general foreman, have already signified their intentions of competing for top honors.

Sponsored by the Glendale Junior Chamber of Commerce in co-operation with the T. C. Motoring Guild, the 1955 Gymkhana promises to be bigger and better than ever.

This year's event brackets competition into four classes: Over 100-in. wheelbase (Jags, T-birds, Corvettes); under 100-in. wheelbase (MG's, Porsches, Volkswagons, Austin Healeys, Singers, Morgans, and the like); closed sedans; and "specials."

The "special" class promises to draw a weird variety of homemade, hand tooled, unique-bodied vehicles powered by "bootleg" fuels. A committee will rule on the acceptability of entrants in the special class.

Toastmasters Organize Here

Librascope employees interested in mastering the art of extemporaneous speaking have joined together to form a local chapter of the Toastmasters Club.

The Toastmasters, a group dedicated to the proposition that man can talk in an interesting and informative manner without recourse to notes or a script, has chapters in almost every city, village, and hamlet in the country.

Prospective members of the Librascope chapter met as guests of the Eagle Rock chapter, September 29, to get a first-hand view of toastmasters in action.

Called upon to participate in the Table Topics session (a regular meeting feature wherein members are required to give a one-minute talk on a subject made known to them only as they arise to talk) the Librascope group, 21 strong, conducted themselves with the aplomb and sang froid of a Jessel.

When the smoke of oratory had cleared, Ray McDonald, employment manager, was tapped as the top toaster.

Art Peterson, production control, served as temporary chairman of the local chapter, pending election of chapter officers at the initial meeting October 5. Assisting him were Bill Balch, purchasing, and Voyle Sipes, production control. Maury Kimmel, model shop, vice-president of the Eagle Rock chapter, is serving in an advisory capacity in the organization of the Librascope chapter.

Results of this October 5 election were as follows:

President, Sid Briggs; vice-president, Art Peterson; educational vice-president, Walt Sertie; secretary, Bill Greer; treasurer, Bill Brown; sergeant-at-arms, Bob Whitcomb.

Ambassador Hotel To Be Dance Site

Scene of this year's Precisioneer sponsored Christmas dance will be the Ambassador Hotel's Embassy Room, Precisioneer President John Delle Fave announced last week.

A Precisioneer committee is currently making plans for the gala affair. Date of the dinner-dance, which will be semi-formal, is Friday, December 23.

Carroll Wax and his orchestra will provide the dance rhythms. Additional entertainment will be furnished by the Libratones, company choral group, who will present a program of Christmas carols.

Library News

The following books have been added to the Precisioneers library:

FICTION

Marjorie Morningstar, The Fontaine, Flight from Natchez, The Four Winds, Band of Angels, The Virginia Exiles, The Sixth of June, The Web of Victory, The Man in the Gray Flannel Suit, The Breaking Wave.

Several new mysteries have also been added to the library's collection.

NON-FICTION

Grand Inquest, Arctic Doctor, Eleanor the Queen, Tibetan Marches, Beyond Expectation—The Volkswagen Story, and American Science and Invention.

The Librazette

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Catalina Bound



JUST ABOUT READY to shove off for Catalina island's Camp Fox are three of the four boys who were named winners in the essay contest sponsored earlier this year by the Precisioners. The youngsters spent eight fun-packed August days swimming, hiking, fishing, and learning handicrafts on beautiful Catalina. The boys, shown here with Chuck Baumgard, essay contest committeeman who presented \$5 spending money to each of the youths before they left for camp, are (l. to r.) Tommy Nelson, son of Bob Nelson, then in engineering; Carl Haldwell, son of Leona Sahl, assembly; and Dennis Elkin, son of Sol Elkin, field services. Not shown is Gary Brown, son of Eileen Brown, Precisioners store, who left for the camp a week later.

Anglers End Season on High Note

Librascope devotees of the Isaac Walton cult were all set to call it quits for the season following their most successful fishing trip of the year.

The anglers, 18 strong, boarded their charter boats, the Star and Crescent, at Port Hueneme, Sunday, October 2. Braving an early morning sea that was running a bit rough, the boats put out for Santa Cruz Island.

It wasn't long, however, before the sea calmed down and the sun came out. Nor did the eager fishermen have long to wait before the fish started biting. Bass, red snapper, and California grouper were hooked and landed in quantity, with some anglers hauling in two at a time.

The day, from the fisherman's standpoint, was a whooping success, with no one going home empty-handed. How the fish felt about all this was not recorded.

Prizes were snagged as follows:

Biggest fish—Buzz Newman

Second biggest fish—Jack Perry

Most fish—Ray McDonald

Arrangements for the charter trip were made by Carl Miller. Unfortunately for Carl, he couldn't make his own party. Maybe Carl doesn't trust his fellow fishermen anymore, eh, Carl?

Welcome

Librascope welcomes the following new employees:

Personnel —

Eleanor Dowdy

Manufacturing Methods —

Mattie Bollman, Linda Hustedt, Donald Knights, Keith Martin, Ruth Slike, Victor Watson

Toolroom —

George Abele, Raymond Carrier, George Cooke, Jon McDowell, Archie Sullivan, Allen Weeks, John Welsford, Sam Zatikin

Accounting —

Frances Carlson, Gene Dean, Jacqueline Temple

Assembly —

John Arcand, Laura Barrett, Rose Bowman, Arthur Emond, Jane Francis, Alexander Golstab, Raymond Goodrich, Joan Howlett, Suzanna Kovalchik, Dorothy Lane, Jewell McAdams, Geraldine McCorkle, Rose Pascone, Genevieve Patricia, Delia Price, Ann Richard, Rose Richardson, Juanita Robinson

Engineering —

Patricia Baker, William Carpenter, William Chase, Edward Chosa, Charles Flannell, Clarine Miller, Bruce Posey, James Robinson, Lothar Schmidt, James Simon, Gaylord Vance, Alan Werner

Manufacturing Planning —

Paul Schula

Water Color Entry Accepted for Show

Paul Kane, senior technical illustrator in engineering services, has been accepted for membership in the California Water Color Society.

Membership in the society is limited to those who have their entries accepted for exhibit in the annual national exhibition of water color painting sponsored by the California group.

For the past three years Paul has submitted the required three entries, with no success.

This year, Paul made it when a jury composed of California's leading artists selected one of his entries for the Society's 1955 exhibit.

Paul's painting, titled "Retired," depicts a waterfront scene. His, and other paintings submitted by fellow western artists, will receive their initial showing at the Long Beach Municipal Art Center, October 30 through December 4.

Model Shop —

Sol Giles

Inspection —

Ruby Cordero, Phyllis Harris, Alden Robinson, Frank Toomey, Henry Warden

Production Control —

Esther Andrede, Ronald Baker, Ronald Freda, William Tappa, Tommy Smith

Shipping and Receiving —

Arthur Moreno, Emanuel Pallila

Purchasing —

Mary Lou Hockstadt

Machine Shop —

James Abbott, Hugo Amantea, Francis Anderson, Clifford Barnes, Jack Boen, Charles Breuer, William Cartwright, Donald Crawford, Alfred Emmons, Gary Evans, Harold Folsom, Jim Haenisch, Floyd Haskins, Urbana Hemphill, Norman Higgs, Leigh Hilt, Robert Jette, John Kazantzis, Adney Milliken, Edmund Perry, Joseph Pleso, Harvey Robbins, George Starr, Alfredo Uribe, Joseph Vanek, John Veytia, Kenneth Weimendorf, Roe Wilson, Paul Woerle, John Womelduff

Systems and Procedures —

Judy Wagner

Systems and Office Services —

Beverly McCullick

Thousands View GPE Exhibit At Tenth Annual ISA Show

By JIM ROBINSON
Librazette Staff Writer

Scientific wares and services that may trigger a new industrial revolution were viewed by thousands of visitors attending the Instrument Society of America's tenth annual Instrument-Automation Conference and Exhibit.

More than 325 exhibitors displayed their products in Shrine Auditorium, September 12 through 16. Purpose of the ISA show: "... to reveal how instruments and automatic controls strengthen our defense, our national economy and our American standard of living."

Graphically portraying its history of dramatic growth in fields of technical wizardry, Librascope's display caught the admiring eyes of many. Also showcasing representative products, in the largest single display at the five-day session, were these additional members of the General Precision Equipment Corporation family: Askania Regulator, Kearfott, Link Aviation, and General Precision Laboratory.

Librascope's exhibit starred the company's recently developed flowmeter for gases. A real boon to the oil, gas, and chemical industries, this intricate device continuously computes pipeline flow within one percent of the total. Unlike previous flowmeters, the Librascope flow computer tallies total flow past a given point during any specified time period.

Sharing the spotlight with the flow computer were our highly efficient transistorized servo amplifier and a precision-built laboratory drum for use as a computational or memory unit in a digital computer.

The magnetically-gated servo amplifier can be employed to step up a weak signal voltage sufficiently to drive a servomotor which could, for example, open or close a large valve. About the size of a pack of cigarettes, the servo amplifier contains two tiny power transistors—those mighty mites of the electronics industry which give promise of replacing the vacuum tube.

Importance of the ISA show was indicated by the attendance of top officials from GPE and participating companies who flew out from the east coast to attend.

Among those in attendance at the show were Hermann G. Place, president and chairman of the board of General Precision Equipment Corporation; Robert T. Rinear, GPE vice-president; Dr. R. L. Garman, vice-president and managing director of General Precision Laboratory; Blair Foulds, vice-president of GPL; and Otto J. Kolb, GPL representative; H. J. Velten, president, Askania Regulator; H. Ziebolz, Askania vice-president; J. Kaufman of Link Aviation; J. S. Gassaway, local Kearfott representative.

President Place, in commenting on the show, stated that with the growing automation of American industry, instrumentation becomes increasingly vital to technological progress. The activities of the Instrument Society of America, he went on to say, are particularly valuable in this connection, and the annual ISA Conference plays an essential part in enabling industry to keep abreast of the latest developments in the field.

Ed Couleur, Librascope sales engineer, coordinated the GPE exhibit and did an excellent job. Ken Slee, sales manager, assisted by sales engineers Dave De Haas and Wilbur Silvertooth, and members of the design and project engineering staffs, manned the three booths.

With the successful 1955 show recorded, ISA is already looking ahead to its 11th annual Conference and Exhibit. Next year's show will be staged in New York City's Coliseum, September 17-21. Many European firms are expected to participate in the 1956 program when ISA will again alert its members to the latest developments in instruments and automation.

Winter Bowling Gets Underway

After a false start and some fast reshuffling of teams in the starting gate, the Librascope winter bowling league was off and rolling at the Burbank Bowl Sept. 15.

Complications resulting from a shortage of teams on the official opening night (Sept. 8) prompted the team captains to wipe results of that night's timber toppling off the record.

Thirteen company teams and a lone entrant from MEC make up the Thursday night league. While the caliber of bowling leaves something to be desired, the competition among the teams certainly doesn't.

Team standings as of Oct. 1 found the Super Doops leading the pack with a 9½ and 2½ record. The Bob Cats were in the second slot ½ game out at 9 and 3, while the Guzzlers, Ceci's and the Guttersnipes were tied with 8 wins and 4 losses. The rest of the field was spread out behind the leaders with the Pin Heads' 2 and 10 record relegating them to the cellar.

Company Adds New Air Show

"Science Reporter" — a five-minute radio show presenting the latest scientific news in layman's language — is a new Librascope public relations program.

The programs, which began under Librascope sponsorship on September 1, is heard at 5:00 p.m. five days a week over KHJ. It joins Librascope's familiar "You and Your Future" show, which is broadcast Monday through Friday at 6:55 a.m. over KABC.

Deadline for the November Librazette is November 1.



