

Librascope's Amazing New General Purpose Computer Put on Market

by JOE MESCH
Librazette News Editor

Librascope unveiled a strong entrant in the digital computer field when it took the wraps off the LGP-30 at the second annual Automation Show and Computer Clinic in Chicago.

The LGP-30 is a low-cost, compact and easy-to-operate general purpose digital computer that possesses the memory capacity and problem solving ability of electronic brains costing ten times as much.

As such, it will be of special value to universities, technical consulting agencies, engineering firms (such as Librascope) and similar groups having problems requiring the services of a general purpose digital computer but lacking the funds heretofore required for its purchase.

In addition, the LGP-30 could be a valuable adjunct to organization used to solve problems which would not warrant use of such computers as UNIVAC or a 702,

but which are too complex and time consuming for manual computation.

Librascope's newest commercial product has been under company development since mid-1954. A California Institute of Technology scientist, Dr. Stanley Frankel, is responsible for the basic design of the LGP-30. Librascope, seeking new entries for its commercial stable, evaluated his design to-

gether with several others early last year and chose Dr. Frankel's as the most promising.

The core of the LGP-30 design is its memory unit—a magnetic drum capable of storing 4096 words, 32 bits (binary digits) in length, along 64 tracks around the drum's circumference.

Rotating at a speed of 3600 rpm, the drum is scanned, or read, by 64 read-record heads permitting access to any given word in a maximum time of 18 milliseconds. In operation, an access time of 2 milliseconds is more typical.

Thus, suitably programmed, the LGP-30 can add, subtract, multiply, and divide the contents of its memory unit approximately 1000 times as fast as can the ordinary desk calculator. In speed of operation, it stands midway between a desk calculator and high-speed computers of the UNIVAC type.

(Continued on page 3)



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Librascope Obtains SRI Associate Membership

Announcement that Librascope, Inc. has become an Associate member of the Stanford Research Institute, one of the nation's outstanding research organizations, was made Nov. 1 by Librascope President Lewis W. Imm.

Librascope thus joins more than one hundred of the West's leading industrial firms who have acquired Associate memberships in the Institute.

SRI, now in its tenth year of operation, was founded by western businessmen to meet a specific need for an applied research center in the western United States industrial complex.

The Institute conducts research in the physical sciences, engineering, and economics for its clients on a contract basis only. And results of all research done under contract are the property of the client.

A professional staff of more than a thousand enables the Institute to carry out a multiplicity of research projects in the broad fields of engineering, the physical sciences, economics, and in the specialized area of explosives.

A good part of this research is carried on through funds supplied by Associate members. In addition to the direct benefits accruing to Associate organizations from re-

search findings, Associates derive benefits stemming from intimate acquaintanceship with the Institute and its staff; and through receipt of reports on Institute-sponsored research and other activities of interest to the Associate. Annual SRI-sponsored meetings of Associate representatives provide an opportunity to discuss mutual problems and to exchange ideas. In attendance at the 10th annual meeting held recently in San Francisco were Mr. Imm, Vice-president Bill Bratton, and M. L. Lindahl, controller.

La Penta Visit

Ben J. La Penta, of section Re 4b, Bureau of Ordnance, was a Librascope visitor during the last week of October. It was La Penta's first visit locally in the past three years.

Deadline for the December Librazette is December 5.

Children Have Date With Santa

Children of Librascope employees have a date with Santa Claus on Dec. 17.

The jolly old fellow is saving his benefits stemming from intimate acquaintanceship with the Institute and its staff; and through receipt of reports on Institute-sponsored research and other activities of interest to the Associate. Annual SRI-sponsored meetings of Associate representatives provide an opportunity to discuss mutual problems and to exchange ideas. In attendance at the 10th annual meeting held recently in San Francisco were Mr. Imm, Vice-president Bill Bratton, and M. L. Lindahl, controller.

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CAUGHT IN THE ACT of forging Christmas trees, Paul Kane, engineering services, clutches his brush as he prepares to take evasive action. Paul feels his work will not have been in vain if Librascope employees take advantage of their opportunity to decorate his trees with the Kane-designed ornaments that were handed out recently. Reason for it all is the Precisioners Yuletide charity program to aid the Los Angeles Orphans' Home. (Photo by Duggan)

Lonely Tots To Benefit From Drive

Librascope employees will trim their Christmas card lists this year by trimming Christmas trees and 48 homeless children will benefit greatly.

Every ornament pinned on a department tree in lieu of sending cards to co-workers will mean a merrier Christmas and a happier New Year to the youngsters at the Los Angeles Orphans' Home Society.

They were chosen to share in our first annual Yuletide philanthropy program, following several weeks of studying the merits of a number of charitable institutions and causes.

Each ornament, to be obtained by donations to the cause, will signify Christmas greeting from the donor to all Librascope employees.

Selection of the Home, located at 815 N. El Centro Ave., climaxed the first stage of a Precisioner-sponsored drive to eliminate the mass exchange of Christmas cards among Librascope personnel and to replace it with some type of charitable undertaking.

The Los Angeles Orphans' Home Society chosen as this year's recipient of our help, was established in 1880 to provide proper care for abandoned or orphaned children, the first institution of its kind in the city.

And from the day the three founders, Dr. Walter Lindley, Mrs. Daniel G. Stephens, and Mrs. Frank A. Gibson, gathered eleven unfortunate children together, hired a nurse and secured volunteer "sitting" services from ladies of the community, the Society has continuously served children who have been denied a home and normal parental affection.

Originally located in an old house at Yale and Alpine streets, the Society moved in 1911 to its present site in Hollywood. Today, the Home buildings are obsolete, the marks of 45 years' continuous and constructive use by some 4,000 boys and girls evident on every hand.

The Home is operated by a volunteer Board. It is not supported by any federated agency, deriving all funds for its operation from the contributions of Society members and a small group of interested friends.

A permanent staff, headed by Superintendent Margaret Ingram, plus a physician and a case worker on call at all times, give the youngsters care, affection, and training as closely approximating a normal home life as possible.

Exact form of our contribution to the Home has been left to the discretion of Miss Ingram and her staff. Her decision, however, will be reported fully in the Librazette (Continued on page 4)

Annual Yule Dance to Be Gala Affair

Pre-holiday company activities reach a festive climax for Librascope employees Dec. 23 when they step out in style to attend their annual Christmas dance.

Departing from the pattern of former years, this year's affair promises to be the most gala yuletide social event in Librascope history.

Setting for the semiformal affair will be the Ambassador hotel's luxurious Embassy Room. Whereas dancing only has been the rule in years past, the coming affair will combine dinner and dancing.

Precisioner committeemen John Delle Fave, Frank Copple, and Bob Garrett are in charge of arrangements for the festive event. Present plans call for dinner at 7:00 p.m. followed by dancing at 9:30.

Music for dancing will be provided by that old favorite of Librascope couples—Carol Wax and his 13-piece ensemble. Francine Fay, an entertainer of real ability, will be the vocalist. (Ed. Note: For additional information concerning Miss Fay's talents, we refer you to Pete Maimone, engineering services, a loyal fan of the songstress.)

Librascope's own choral group, the Libratones, will add to the evening entertainment with their presentation of holiday favorites.

Price for this unparalleled evening of dining and dancing in one of L. A.'s most fashionable hostessies is a modest \$7.50 per couple, thanks to the Precisioners, who are underwriting a portion of the evening's expenses. It will cost those unable or not wishing to attend the dinner a dollar per person to enjoy dancing only.

Tables to accommodate a thousand persons will surround the dance floor; so if you tend to tire from too much cha-cha-chaing, you will be afforded a spot to get your second wind.

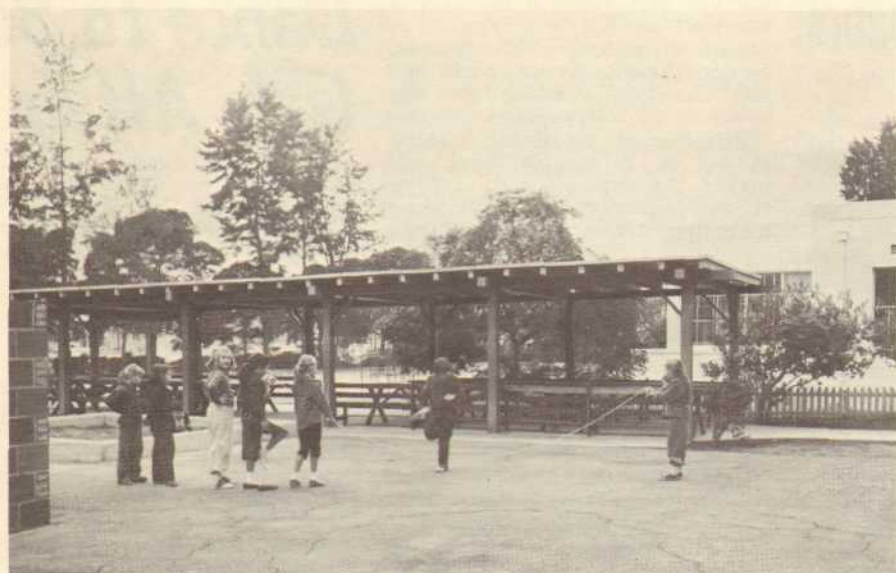
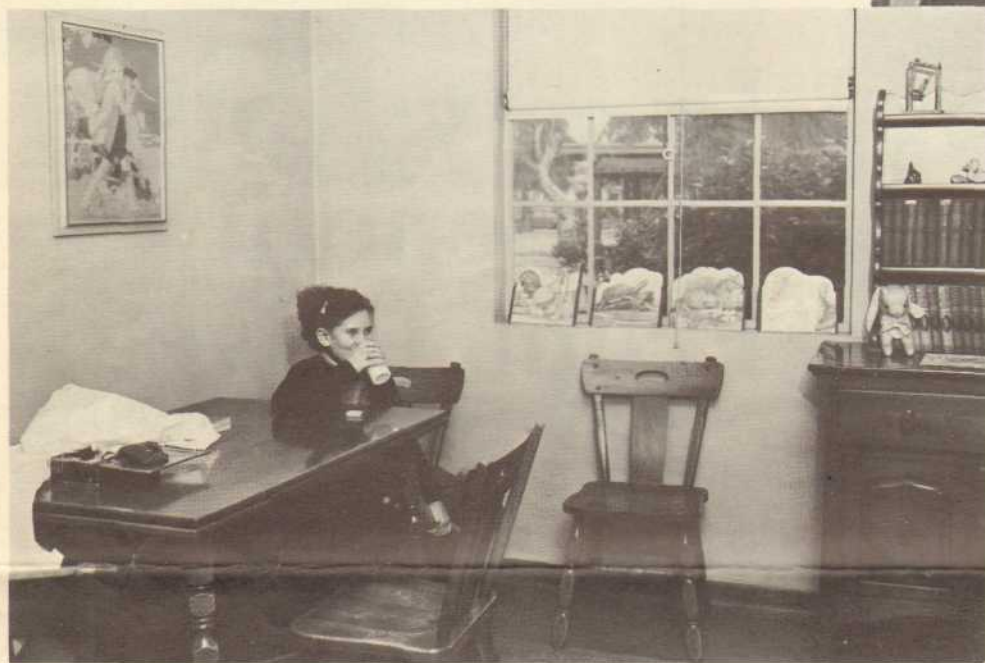
THE LOS ANGELES ORPH-ANS' Home Society was adopted by the Librascope family this Christmas, 1955, as part of the drive to trim our Christmas card lists by trimming our department trees. In order to better acquaint

Librascope employees with the ob-ject of their philanthropic efforts, Lee Duggan, staff photographer, visited the home at 815 N. El Centro Ave. and took the above pictures. Miss Margaret Ingram, home superintendent, poses with

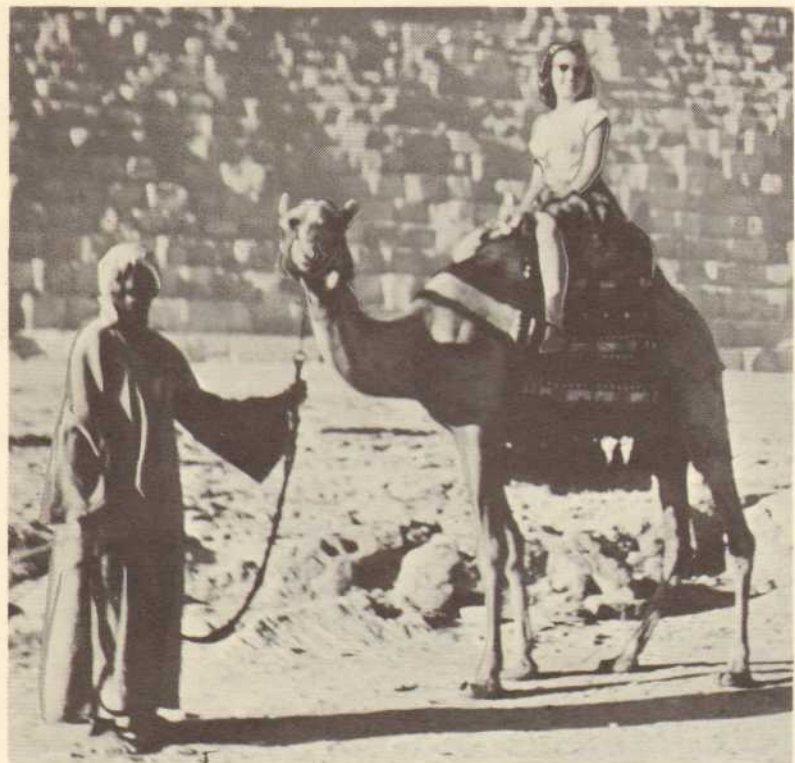
five of her 48 charges at top right. Immediately below is the kitchen and the antiquated range we hope to replace. One of the Home's bathrooms, this one for the smaller children, is shown just below the kitchen. Two of the three Home

buildings are visible in the bot-tom right picture. Sleeping quar-ters of the small fry are shown at top left while immediately below a lone convalescent in the Home's modern infirmary drinks her milk as she watches television. Awaiting

their turns to skip rope, a group of youngsters line up in the spa-cious Home playground. In in-clement weather, the children move indoors to the playroom, a portion of which is shown at lower left.



Jeanne Snyder Tours Europe on the Double



LITTLE EVIDENCE of the tenseness that pervades the Middle East is visible here as Jeanne Snyder demonstrates her ability at camel-hopping in the shadows of one of history's largest rock piles. Identity of both the camel and his bare-footed friend were not immediately available.

Computer

(Continued from page 1)

Customer prospects for the LGP-30 will like the computer's low cost—under \$30,000. Next nearest American-made counterpart sells for about \$45,000.

Purchasers will also like LGP-30's small size and simple operation. A portable device, it can be wheeled alongside an engineer's drawing board, plugged into a standard 115-volt, 60-cycle outlet, and be ready for operation.

Equally important to the buyer is the LGP-30's reliability, stemming from its dependence on a relatively few components of proven design. It contains but 105 vacuum tubes and 1350 diodes. The table below gives a brief comparison of the LGP-30 and certain competing computers from a cost and component standpoint.

Computer	Features	Cost
No. 1 (European)	230 vacuum tubes, 90 diodes (Won't divide)	\$27,900
No. 2	400 vacuum tubes, 2800 diodes	45,000
No. 3	590 vacuum tubes, 3500 diodes	69,700
No. 4	1000 vacuum tubes	70,000
No. 5	240 vacuum tubes, 6000 diodes	60,000
No. 6	700 vacuum tubes, 1400 diodes	80,000
No. 7	400 vacuum tubes, 5000 diodes (1024 word memory capacity)	99,500
Librascope's LGP-30	105 vacuum tubes, 1350 diodes (4096 word memory capacity)	29,800

Another point in favor of the LGP-30 is that any competent engineer can learn to program the computer in a matter of minutes or at most hours. Mechanics of operation can be mastered easily

in 30 minutes if the would-be operator has a good grasp of basic computing techniques. Advantages of this are manifest, for it provides engineers in many fields with an invaluable tool at the cost of but an extremely short indoctrination period.

Among the men at Librascope responsible for the successful development of the LGP-30 are Jim Cass, LGP-30 project engineer, who has been associated with the computer since its earliest days; Bill Reinholz, who designed much of the circuitry; and Bob Kring, who worked on the packaging.

It took the co-operative efforts of many more Librascope people to make the computer possible. Among those who contributed materially to the program were engineers Bill Chase, Flannel, Hazlett, and Urman; and technicians Raymond, Schramling, Engle and Ott.

Accompanying the LGP-30 to the Chicago show, which was held Nov. 14-17, were Ken Slee, Librascope sales manager, and Ed Couleur, sales engineer; as well as Cass, Chase, Reinholz, and Flannel of the development staff.

Jeanne Snyder, systems and office services, breezed through Europe on the double, from Oslo to Istanbul, during her three-week vacation in September, and returned with enough impressions to fill a Richard Halliburton novel. The distance covered via plane, train, auto, donkey, camel, and pedal extremities totaled 22,000 miles to and fro.

No "Jeannie-come-lately" as a world traveler, Miss Snyder's wandering feet have trod the soil of 14 foreign countries. In 1953 she went 'round the world on a five-month junket.

A practiced observer of customs, landmarks, and culture, Jeanne numbers the following among her most vivid memories:

Scotland's kilt-clad lads . . . Viegland's nude statuary gracing Frogner Park in Oslo, Norway . . . The huge trade fair in Stockholm, Sweden, featuring exhibits from countries on both sides of the Iron Curtain . . . Copenhagen's Tivoli Park with its many fine restaurants, beautiful lagoons, dance pavilions, and carnival atmosphere

Cigar smoking Danish maidens singing "Cherry Pink and Apple Blossom White," No. 1 tune on Denmark's hit parade . . . Arriving in Paris sans hotel reservation and the night clerk who fortunately understood her fractured French and her plight.

A Parisian restaurant boasting of no tips or cover charge . . . A surprisingly comfortable room for 80 cents at the Schweizerhof, a middle class hotel in Vienna . . . The greenish-brown Danube and the feeling that Strauss goofed . . . The magnificent Hilton Hotel in Istanbul . . . Mob riots in Istanbul and scenes of devastation.

A festive wedding in Cairo . . . The Acropolis and Parthenon in Greece—ever famous tourist attractions . . . Romantic Venice in the rain . . . The ancient Coliseum, Appian Way, and classic St. Peter's Cathedral in Italy.

Rome's Trevi Fountain of "Three Coins" fame . . . Siesta time in Spain and the delightful three-and-a-half hour lunch period . . . The plane trip back ending a memorable 21-day vacation in Europe. Jeanne found the bullfights at Alges, just outside Lisbon, especially thrilling. She reports that horsemen arouse the bull's ire to fever pitch and scamper from the ring. Then a team of six Picadors wrestles the enraged bull bare-handed to the ground, as the frenzied crowd shouts Ole!

For those who might be planning a similar trip, Jeanne states that her total expenses were \$1200.

Lending Library Has Best Sellers

Among the many activities and enterprises sponsored by the Precisioners, Librascope employee organization, is a lending library.

The library, managed by Hilda Keesling, is located along the east wall of the engineering drafting room in Plant 3. Its books are available to all Librascope employees for a nominal cent-a-day rental charge.

Included on its shelves are most of the titles that have appeared on best seller lists across the nation, as well as a wide selection of who-dunits and science fiction.

Current best sellers available at the Precisioners Library include:

FICTION

The Plums Hang High, Castle Garac, The Sixth of June, Marjorie Morningstar, The Fontaine, The Man in the Gray Flannel Suit, The Virginia Exiles, Band of Angels, Blizzard, and Flight from Natchez.

NON-FICTION

Inside Africa, and Arctic Doctor.



... girl with fish.

Anglers Find Good Fishing In Mexico

Carl Doolittle, engineering, and his wife Dorothy returned recently from a fishing expedition in Loreto, Baja California where they spent a delightfully exhausting week hauling a wide variety of large fish over the gunwales.

They arrived in the beginning of the best part of the fall season, and the weather was excellent; hot, except for the sea breeze, during the day and cool at night.

Carl reports they caught "every fish that has been named, and maybe a few that haven't." Proof of part of this fisherman's statement may be seen in the photo which shows Dorothy Doolittle firmly gripping a gaff onto which a 15-pound pompano has obligingly fixed himself . . . not without some help from the Doolittles.

They used their own light tackle; spinning rigs equipped with 10- and 12-pound test monofilament. They did rent some local heavy tackle, but the line snapped when a huge rooster fish expressed his resentment at having been summarily hooked by an appetizing lure. Carl allows as how the fish broke water three times, exhibiting five feet of scales and fins before snapping the line on the rented reel and heading for his compatriots to brag about the "one that he got away from."

The Doolittles found the best all around trolling plug to be the new Hot Shot Wobbler in one and seven-eighths ounce and in two and one-quarter ounce sizes. Fluorescent or polka dot, it didn't make any difference; just trail them out and hook on.

Flying Sportsmen's Lodge was the home base, and the Doolittles reported it an excellent place to stay; clean rooms, comfortable beds, and terrific companionship with the other anglers.

The only question remaining in the Doolittle's minds is, "How can we get another week off next month . . ."

Hawaiian Holiday Thrills Vacationer

Joy Ward, accounting, gets that faraway look in her eye whenever she hears the magic word "Hawaii."

Seems Joy spent the week of Oct. 24 vacationing there and enjoyed every moment of it. She headquartered at the Moana Hotel on Waikiki Beach and reports that the weather was perfect both for swimming and for those thrilling rides she took in outrigger canoes.

Highlights of her trip included a tour of the Islands in the course of which she visited Mt. Tantalus, the grave of Ernie Pyle, and the grass shack where Robert Louis Stevenson wrote some of his greatest books.

So enchanted was Joy by it all that already she is piling up her pennies and dreaming of a return trip.

Bowling Teams Widen Lead in Winter League

After seven weeks of wide splits and missed spares, the fourteen teams in the Librascope winter bowling league are beginning to spread out a little.

While it is still too early to count any of the teams out of the race for the top spot, it appears that the 19-game spread between the league-leading 4 Hits & a Miss and the cellar-dwelling Katz is going to take some solid kegging by the latter to close up.

Despite the fine 22 and 6 record of the top five, they are but a half game ahead of the second place Super Doops who sport a 21½ and 6½ record. The We Wuz Robbed quintet hold down third place by the same narrow margin of a half game over the fourth place Pop's Five.

Fred Killips currently holds title to the high game of the season among the men with a fine 236 +18 for a 254 total. Among the ladies, Cleo Moore is in the drivers' seat with a 197 +36 giving her a 233. Fred's 236 is also the high individual scratch game of the season while Chuck Ramba's 613 scratch series puts him at the head of the league in this category. Both Fred and Chuck knock them down for the fifth-place Guzzlers while Cleo bowls for the seventh-place Pack Rats.

Team captains have elected the following officers for the 1955-56 winter league season: Fred Killips, president; Art Pederson, vice-president; and Cleo Moore, secretary-treasurer.

Seltzer Chosen Wanderaire Head

At their annual election in September, the Wanderaires elected the following Librascope employees to head the novel incorporated flying club: Glen Seltzer, personnel, president; Ed Hirt, engineering, vice president; Dave Pickens, engineering, secretary; Hank Fasola, engineering, treasurer; and Bud Linsley, engineering, maintenance officer.

The first anniversary of the Wanderaires was celebrated by the nine members and their wives at the Shalimar in Sherman Oaks on Oct. 7. New member Stuart Schy, engineering, was welcomed to the group at this festive occasion.

Welcome

Librascope welcomes the following new employees:

Accounting— Harry Ewing
Assembly— Laura Asbury, Shirley Batelaan, Nicholas Circhirillo, Ralph Kempfer, Anne Lasee, Elerine Laverdure, Jack Leon, Louise Lumsden, Lois Miller, Catherine Minor, Clarence Olson, Doris Owens, Margarita Suarez, Shirley Werner, Elvia Young.

Engineering— Robert Bishop, David Hackett, Elena Mula, Jack Pelamati, Frank Primozich, Dona Rokahr, Phyllis Rudin, Joseph Simon, Robert Somerville.

Inspection— John Bagley, Morris Barsumian, Allan Dortch.

Machine Shop— Robert Ahrens, Charles Branson, Theodore Cherry, Ronald Clark, Ramon Gabel, David Hoover, Augustine Loya, Houston Markham, Kenneth McKee, Arthur Moseley, Paul Olinske, Richard Quick, Raymond Slusser, Arthur Van Essen.

Model Shop— Gordon Osborn

Production Control— Sarah Atkinson, Nadine Buss, Elaine Christian, Eleanor Jack.

Sales— Freeman Hazlett

Stockroom— Ward Naylor

System and Office Services— Audrey Blythe, Lorna James.

Tool Design— Raymond Berett

The Librazette

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Robert McCollum . . . Model Shop
Mac McKeague . . . Personnel
Ray McDonald . . . Personnel
Betty Meyer . . . Production Control
Millie Calitri . . . Sales

Stork Club

To facilitate the gathering of information for the Stork Club column, beginning Dec. 1, items for the column must be submitted to the Editor of the Librazette. Include baby's date of birth, sex, weight, and name, as well as parents' names and department.

Al Dimpel, machine shop, girl
Hervey Antrim, production control, boy
Bob Holloway, engineering, boy
Henry Kidd, engineering, boy
Andy Cook, engineering services, girl
Rudy Rieder, engineering, boy
Shirley Coltin, engineering, girl
Gene Wilkinson, engineering, girl
Chuck Pierson, tool room, boy
Chuck Artner, engineering, boy



A KEEN EYE and a steady hand paid off for Jack Perry (third from left) in the Librascope Gun Club's recent skeet shoot as he walked off with the grand championship. Watching with mingled emotions as George Henderhan (extreme left) presents Perry with his championship trophy are Clayton Gary and Paul Smith (extreme right) who finished one-two behind the champion.

Librashots Blast "Birds" For Fun, Fame and Food

Proponents, 20-strong, of the manly sport of skeet shooting assembled Sunday, Oct. 23, to participate in the Librascope Gun Club's Third Annual Skeet championship.

The Aqua Sierra Skeet range, Chatsworth, was the site and the carnage inflicted on the "birds" was a sight to behold. A strong cross wind which kept blowing the buckshot away from the "pigeons" handicapped the first scattergunners to toe the firing line. It didn't help the second or third groups either.

Competition was keen from the very first shot as oldtimers like Clayton Gary and Charlie Parker both from the machine shop, Paul Smith, assembly, and Bob McFarland, model shop, blasted away with a vengeance to stave off the challenge of the younger shooters. How successful they were is evidenced by the fact that Gary and Smith finished one-two behind Grand Champion Jack Perry, tool design.

The grandstand was filled with an enthusiastic group of spectators, who alternately cheered and groaned with the hits or misses of their favorites.

Proof positive that skeet shooting is not for the weak was presented by three of the competitors after the smoke of battle had cleared away. McFarland, George Henderhan, and Roy Gombert were observed near the range clubhouse comparing the size and colors of the bruises decorating their respective shoulders. Available evidence pointed to a draw.

Award winners included:

Class AA
Jack Perry, tool design
Gold trophy
Clayton Gary, machine shop
Silver medal
Paul Smith, assembly
Gold-bronze medal
Lee Simon, engineering
Bronze medal

Class A
Howard Henderhan, tool crib
Gold medal
Pat Lombardi, machine shop
Gold-bronze medal
Bob McFarland, model shop
Bronze medal

Class B
Paul Litvinoff, inspection
Gold medal
Ross Hazeltine, model shop
Silver medal

The Aqua Sierra Skeet and Trap Range in Chatsworth was the site of the Librascope Gun Club's Turkey Shoot on Sunday, Nov. 13.

Undeterred by cloudy skies and occasional showers, approximately thirty shooters, including two of the fairer sex, Kay Small, assembly, and Ollie Hazeltine, wife of Ross Hazeltine, model shop, entered into competition for the prizes of the day.

Shooting classifications for the group were established by contestants firing ten practice rounds. Art Crierger, machine shop, and Howard Henderhan, tool crib, captured honors for the event winning a live pheasant a piece for their efforts.

In the shoot that followed, turkeys were awarded to the following Librashots: Pat Lombardi, machine shop; Glen Reyman, optical assembly; Tom McKay, assembly; Lloyd Somerfield, manufacturing administration; Ray Bigby, machine shop; Roy Gombert, model shop; Ray Buchanan, engineering; and Jim Clark, engineering.

Another turkey shoot is planned at the same range Dec. 11. Prizes will include trophies as well as turkeys.

Charity

(Continued from page 3)

as soon as it is known. Conversations with her indicate that their needs range from foodstuffs to new quarters for the children.

A committee, consisting of Val Castle, engineering, chairman; Chuck Baumgard, engineering; Herb Darby, assembly; Chuck Keesling, machine shop; Ruth Kennerknecht, purchasing; Keith Kinnaird, engineering services; Mac McKeague, personnel; Galen Mannan, engineering; Joe Mesch, engineering services; and Pauline Ponnish, wiring, has been ironing out details of the philanthropy program for the past month. Physical evidence of their efforts is currently visible in all departments of the company.

Current plans call for making this drive to substitute charity for the mass exchange of cards an annual affair.

Hunters Bag Deer And Ducks

Wild geese again are sounding their siren call and visions of fork horns sharp in the night at 100 yards are haunting many a Librascope employe these days.

As a result many company sharpshooters have taken to the fields and the hills in search of the wily duck and the elusive deer. Results, we might add, have been generally good.

One of the better bags reported to date was taken by a trio of local hunters during their recent trip to Casper, Wyoming. Roy (Skip) Case, engineering, Ted Donley, machine shop, and Roy Van Holm, model shop, each bagged an antelope and a deer.

Others reporting in, and their kills, include: Ed Dobstaff, assembly; Fred Killips, material control; and George Henderhan, adjusting; forkhorn deer. For George, it was his third forkhorn in as many years. Ralph Mershon, engineering services, brought home a doe from his Utah foray, while Howard Henderhan, tool crib, bagged a small buck in the Mineral King special hunt.

Nor have the scattergun boys been idle. The opening of the duck season found Paul Litvinoff, inspection, Pat Lombardi, machine shop, and the ubiquitous George Henderhan manning their boat at Big Bear. Needless to say, this trio of sharpshooters had their limit early in the day. Clayton Gary, machine shop, hunting in the Palmdale area, also got his limit.

An added note to fishermen: Next season why not try your luck at Little Rock Reservoir. Ed Forgey, adjusting, and Bill Roxbury, assembly, both report taking their limits of trout from this spot on several occasions.

New Addition Houses Welders

Conjecture about the recent flurry of construction activity at the southeast corner of Plant 2 had everything from a new loading dock to a bird watcher's station being erected there.

A quick visit to the office of Cliff Dahl, building engineer, soon cleared up the mystery. The corrugated steel structure will house the welding shop and provide facilities for work involving toxic materials, according to Cliff.

The new addition is divided into two rooms of approximately equal size. The welding shop will have 228 square feet of floor space while the room devoted to the handling of toxic materials has 240 square feet. The latter room is provided with a forced-air exhaust system to carry off any toxic fumes.

The lean-to which has housed the welding shop in the past will be dismantled and the area cleared and used for utility space.

Author Addresses Bible Study Club

Norman Olson, founder and president of the Laymen's Bible Study League, spoke before the Librascope Bible study group during the lunch period on Wednesday, Nov. 16, in the conference room in Plant 1.

Mr. Olson is the author of the "Short Course of Bible Study" which is used as a guide for the bi-weekly studies of the Librascope group. For seventeen years, he has devoted full time to preparing and publishing materials to enable people to acquire a better understanding of the Bible.

Anyone is welcome to join the Bible study group. Members meet every Monday and Wednesday during both the shop and office lunch periods. For further information, contact Roland Smith, purchasing.

Summer Recess Over; Camera Club Meets

Members of the Shutter Clique, Librascope camera club, have resumed regular monthly meetings following their annual summer recess.

Club President Corey Davis, model shop, was the featured speaker at the October meeting, held at the home of Mat

Matuski, model shop. Davis presented facts and figures on exposure and development techniques for color film, an ever popular subject of discussion to camera enthusiasts.

An added highlight of the evening was a showing of 35-mm. color slides, by the club's guest of the evening, Glen Reyman, optical assembly. Shutter Clique members ended the evening with a showing of newly acquired cameras.

Plans for the club's annual dinner are virtually completed according to committee members Cesar Goldstein, tool room, and Ralph Woodward, jig bore. Date of the event will be Nov. 30. Guests of honor at the dinner will include Dr. Harold Lutes, stereo consultant for the motion picture industry, and Precisioneer officers.

First field trip of the new season was made to the Librascope Gun Club's annual skeet shoot at Chatsworth.

Brain Hemorrhage Beds Edie Wrobel

Edie Wrobel, payroll, was hospitalized for fifteen days last month suffering from what was diagnosed as a brain hemorrhage.

The hemorrhage apparently resulted from a broken blood vessel incurred in a minor automobile accident Edie had on her vacation in July. She had the misfortune to hit a deer that bounded across the road in front of her car and the impact evidently ruptured a blood vessel in her neck.

Edie is now home on an extended leave of absence getting the complete rest her doctor ordered. Edie reports that the most difficult part of her convalescence is looking at but not being permitted to drive, that new car parked in her garage.

Precisioneers Store Offers Variety of Holiday Bargains

A holiday atmosphere seems already to be surrounding that area of Librascope directly opposite the main gate.

For here, in her recently enlarged area of operations, Eileen Brown, harried proprietress of the Precisioneers store, is digging in for a holiday rush that has begun already.

In fact, Eileen will tell you in one of her rare moments of leisure that the rush never ends. Since its founding a short two years ago, a steadily mounting volume of goods has passed over the store counters. From the modest beginning instituted by Bud Linsley as an off-beat service to a few friends, the idea has mushroomed to a more than full time job for Eileen.

And stocked as the shelves of Eileen's tiny office and adjacent display room are, they represent but a small fraction of the variety of items that she can supply fortunate Librascope employes at a discount.

Dry goods, appliances, items for outdoor living, sporting goods, den and bar accessories, these and scores more are available to those who avail themselves of her services.

While some of us are prone to grumble a bit when Eileen is either too rushed to wait on us immediately or is not in when we drop around during working hours, we should be thankful we have her with us.

Remember that somewhere in her day Eileen must provide time for placing new orders, uncovering new bargains and suppliers, picking up supplies, unpacking and pricing merchandise, maintaining her displays, and keeping her records—in addition to waiting on several-score customers, at least half of whom don't know what they want.

Small wonder, then, that Eileen is open for business, YOUR business, only during coffee breaks, lunch periods, and from 4:00 to 4:45 p.m. Why not give her the same break she gives you.



EILEEN BROWN, PROPRIETRESS of the Precisioneers store, slows down long enough from her preholiday rush to point out some of the advantages of a steam iron to Hilda Keesling, engineering. In the background, a few of the many items that fill the shelves of the new display building can be seen. (Photo by Duggan)