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Librascope Leases Four Airport Buildings



LIBRASCOPE
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MAIN BUILDING of former Aeronutronics Systems group, to be taken over by Librascope on Sept. 1. Building once was terminal of Grand Central Airport.

With three other structures, it will add 50,000 square feet to Librascope's engineering and administrative space. (Earl Crawford photo)

Provides Needed Space For Engineering Units

Librascope, ever in need of more space to cope with continuing growth, is taking over the former headquarters of the Ford Motor Company's Aeronutronics Systems, Inc., in the Grand Central Industrial Centre. Formal possession will take place September 1st.

Leasing of the property was announced by Executive Vice President Bill Bratton. The entire building group will be occupied by Shipboard Engineering, which will move from Bldg. 3 as soon as the quarters can be made ready.

Acquisition of the property will bring about still another change. Engineering Administration units in Bldg. 3 will move into Bldg. 16, now going up on Frances Court, which originally was intended for Shipboard.

Four structures, with a total area of 50,000 square feet, are involved. One of the buildings is the former grand Central Air Terminal, a two story brick and stucco structure, surmounted by the control tower. It served as Aeronutronics' administrative headquarters and was considerably remodeled in the conversion from air terminal to office building. It will be known as building 21.

Other structures are a one story brick building immediately south of building 21, with a 14,000 square foot area, to be called building 22; a small, bungalow-type building to be called building 19, and a small facilities structure to the north, which will be building 20.

Parking lots to the south of building 22 and to the north of building 19 will serve all four buildings. All of the structures are air-conditioned and well lighted by fluorescent fixtures and windows.

Building Engineer Cliff Dahl and his staff have conducted a survey of the property and found it to be in good condition. The existing telephone system, with more than 200 stations and an internal dialing arrangement, will be linked to Librascope's master system by tie-lines, according to Larry Cahill, resident Pacific Telephone Company engineer. All outside calls to the buildings will come in through Librascope's Citrus and Chapman numbers.

Meanwhile, steady progress is being made in the construction of the 80,000 square foot Production Division building on Sonora Street, and the 40,000 square foot Engineering building on Frances Court in the Rodier Street area. Pre-cast walls of the latter structure were being raised late this month, with installation of steel columns and roof supports scheduled to follow immediately.

At Sonora Street much of the concrete floor had been laid by mid-August. Casting and lifting into place of the concrete roof started during the third week; brickwork was scheduled to start by September 14th.

Computer Theory Classes Planned For Adjustment Staffers

Twice-weekly classes on "Basics of Digital Computers" were launched this month by the Training section of Personnel to acquaint Adjustment staffers with the mathematics and theory of digital computer operation. Charles E. Flickinger of Airborne engineering is the instructor.

The full course embraces 11 two-hour sessions. Classes are held on Tuesday and Fridays from 2:00-4:00 for day shift personnel, from 4:30-6:30 for the second shift. Classes are limited to those nominated by their departments.

Later this year, according to Training Coordinator Joe Schwarz, it may be possible to offer the same courses to non-bargaining unit employees seeking to expand their professional knowledge.

Wescon Show Design Prize To Libratrol

The Libratrol-500, process control digital computer developed by the Burbank division, was honored this month by the electronics industry at the Wescon conference and trade show in San Francisco.

The computer received an award of merit from the judges for excellence in industrial design. Its streamlined form, standing almost five feet high, is in keeping with the modern trend toward simplicity. All dials and controls are mounted in front for easy access and vision.

The Libratrol-500 is the product of an engineering group headed by Joe Ator, project director, and Hugh Jacobson, project engineer.

Employee Fire Brigade Planned Here

As the first step in the organization of an emergency fire brigade, Fire Chief Joe Fido issued a call this month for men and women to volunteer for service. The initial table of organization calls for 43 members, ranging from chief to monitor.

Fido, chief administrative assistant to Bldg Engineer Cliff Dahl, has been designated by Dahl to organize and head the fire organization. Carl Dawson, carpenter foreman, is assistant chief.

Fido is particularly interested in Librascopers who have been professional firefighters, those who have served as firemen in the armed services, or anyone who has been a member of an emergency fire crew in previous employment. Volunteers may reach him in Bldg 5, or through Ext. 532.

Prime duties of the brigade will be to conduct orderly evacuation of personnel from buildings in the event of emergency, and to fight the fire until the Glendale or Burbank city firemen arrive.

Regular training sessions will be held during working hours, with professional guidance being provided by personnel of the Glendale fire department and fire-fighting experts of the insurance companies.

The pro-tem personnel setup calls for three fire captains, 12 firemen, a chief security officer, six security guards, three fire exit chiefs, four floor captains, four exit guards, four searchers and four monitors.

Librascope Steel OK

The nationwide steel strike has had no effect upon Librascope and will have none in the foreseeable future, says Material manager Marsh Cowan. Proportionately, Librascope uses very little steel, as compared to its consumption of aluminum, Cowan pointed out. In any event, necessary steel was stockpiled well in advance of the mills shutdown.

2nd Quarter GPE Sales, Earnings Up

Consolidated net sales and earnings of GPE, Librascope's parent company, registered large gains in the second quarter of 1959. Sales of \$55,319,803 were 30.2 higher than the figure for the comparable 1958 quarter. Second quarter earnings were \$1,143,114, equivalent to 77c per common share, after dividends were paid on preferred and preference stock, as compared to the \$283,239 registered in the same period of 1958.

Total sales for the first six months of 1959, according to James W. Murray, GPE chairman, were \$102,301,439, as compared to \$85,440,928 for the first half of 1958. First half earnings were \$2,063,121, equivalent to \$1.34 per common share after preferred and preference dividends, compared with \$754,934, or 16c per common share in the first half of 1958.

GPE's backlog, as of June 30, was \$206,000,000, some \$28,000,000 more than it was on March 31, and \$38,000,000 above the figure for Dec. 31, 1958. Sales and earnings for the balance of the year are expected to show continued improvement over 1958, according to Chairman Murray.

Elect Bratton Corp Director

Executive vice-president Bill Bratton was elected a director of Librascope, Inc., at a recent meeting of the board of directors; to succeed Edward Link, resigned. Full membership of the board now includes:

President Lewis W. Imm; J. W. Murray, H. G. Place, D. W. Smith, E. G. Hines and R. N. Harder, all officials of GPE, Librascope's parent company.

Lew Green Is New Electrical Power Engineer

Librascope's present and future needs for electrical power are such that a full-time electrical power engineer has been added to Building Engineer Cliff Dahl's staff.



Appointed to the new post is Lewis E. Green, a veteran in his field, who came to Librascope from Rocketdyne's field test laboratory at Santa Susanna pass, where he was senior electrical facilities engineer. Earlier he was with Northrop Aviation and during World War II supervised electrical power installations for the Navy in the Hawaiian Islands.

At Librascope he will have charge of electrical power system design and will conduct continuing analyses of plant needs, working with department planners and building contractors.

Paper Work Course

A short, intense course in procedure familiarization, designed to inform Production division employees about standard and new paper-work requirements, was started this month by Personnel's Training section, and will continue indefinitely. All division foremen, leadmen, area methods men and dispatchers will attend the course, conducted by Bill Girouard of Industrial Engineering. Sessions are held Wednesday and Thursday afternoons at 1 o'clock, in the Conference Room of Bldg 5.

Save Expense Accounts

Employees who are reimbursed for money paid out in behalf of the company are urged to save the expense account reports they receive from the cashier. Says Bill Greer, supervisor of office services:

"Income tax law requires each person to declare the sum received in reimbursement for expenses, as part of total income. Therefore, if you want to claim a deduction, you will have to submit proof that the reimbursement was not an item of taxable income."

Training Adds Psychologist To Its Staff

Wayne P. Strong, Jr., a graduate industrial psychologist, has joined the staff of Training Director Walt Sertic as management training and safety specialist.

A native of Clymer, Penna., Strong left a post as assistant to the president of the Ansul Chemical company, Marinette, Wisc., where he also functioned as training director and wage and salary administrator. He holds a bachelor's and master's degrees in industrial psychology from the University of Michigan, with minors in industrial relations and sociology.

Strong, who is married and the father of two young children, was a Navy aerographer for a four-year tour before entering college, also taught Navy classes in meteorology. Subsequent to graduation he was on the personnel staff of his alma mater. He will make his home in West Covina.



Sees Rapid Growth For Librascope-Sunnyvale

The entire working staff of Librascope-Sunnyvale and the top officers of Librascope, Inc., this month heard President Lewis W. Imm make predictions of large and rapid growth for the company's newest division. Mr. Imm's views were echoed by Don Smith, president of General Precision Equipment Corp., Librascope's corporate parent.

Occasion of their remarks was the dinner celebrating the opening of the division's new home on the outskirts of Sunnyvale, its move from Livermore and its change from Precision Technology Department to full division status. The turnout of division employees and Glendale visitors packed the largest available banquet room in the area — at Sabella's restaurant in Sunnyvale.

Earlier, the Glendale group and Mr. Smith, who interrupted a family vacation to attend the dinner, toured the new plant with a number of Sunnyvale civic leaders.

Early Days

In his brief and impromptu talk, Mr. Imm spoke feelingly of Librascope's early days when "it too, was small." It was not very long ago, he said, that Librascope was all under one roof. He predicted that Librascope-Sunnyvale would enjoy the same explosive growth.

"In fact, this is probably the last time you will all be able to get together for an occasion of this kind," Mr. Imm said. "You have the talent and you have the products which make for success. We have confidence in your abilities and Librascope will back you every step of the way."

Mr. Smith also referred to his earlier days with GPE in predicting growth for the new division.

"I remember when we started Kearfott," he recalled. "There were just 17 of us in the original group. We had decided to make gyroscopes, which was and is a highly competitive field. But we made ours better and for a lower price, because we — like you — worked hard at our jobs. Ten years later there were five thousand people on the payroll."

In Unique Position

The same opportunity exists for Librascope - Sunnyvale, Mr. Smith declared — with this advantage: the division is in the unique position of having created at least one product with no real competition as yet (he was referring to the exploding bridge wire system). The division's most difficult problem now, he observed, is getting organized to manufacture what its engineers and technicians have created.

In a brief talk before introducing Mr. Imm, Carroll Maninger, manager of the division and one of the organization's earliest employees, called the dinner a "significant milestone" in the division's existence.

"We have come a long way since 1953," he declared, "and in the past two years we have moved very fast." In that short space of time, he said, Librascope-Sunnyvale has

become nationally known for its conception and development of the exploding bridge wire system. It took hard work, he said, to attain the goal and everybody in the division made a significant contribution to the total effort.

Building Is Monument

"Our new building is a monument to that effort," he asserted, "to Mr. Imm and all the others at Glendale and to GPE for believing in us and making our work possible. We are looking forward to making good use of these new facilities."

In addition to Mr. Imm, who was accompanied to Sunnyvale by Mrs. Imm, others from Glendale who made the trip to Sunnyvale were: Exec Vice-Pres Bill Bratton and Mrs. Bratton; Vice-Pres and Mrs. M. L. Lindahl; Vice-Pres and Mrs. Don Webster; Assistant to the President Sid and Mrs. Briggs; Legal Counsel Ted Lassagne and Mrs. Lassagne; Building Engineer Cliff Dahl and Mrs. Dahl and Librazette Editor Bill Keith and Mrs. Keith.

Customers' Man



Bill Bietsch

Bill Bietsch, supervisor of materiel control in the Materiel Department, has been named supervisor of the brand-new Customer Service group in Ray Rockwell's Field Service operation. A veteran Librascoper who joined the company 12 years ago, Bill will be primarily responsible for coordinating all in-plant repair of military equipment returned from the field.

Invites Square Dancers

Dave Briggs, drafting supervisor, Special Devices, invites all Librascopers interested in forming a square dance club, to get in touch with him at his home, THornwall 2-4652. He is a member of the locally famous "Robin Hood Twirlers."



LIBRATROL 500 forms centerpiece for group of buyer's engineering staff and Burbank division staffers who designed and built the computer. From left to right, W. J. Karcher, of Public Service Company of Colorado; Benny Benoit, in charge of final assembly;

Hugh Jacobson, project engineer; Joe Donegan, Burbank division mathematician; and W. G. Neahr, Public Service Company of Colorado. Computer won a special award for industrial design at the Wescon show this month in San Francisco.

(Earl Crawford photo)

Standards' Book On Wiring Now In 2nd Edition

First edition of Standards' "Wireman's Workmanship Manual", a 66-page book published to provide standard instruction for all electronic assemblers and technicians in the techniques of electronic wiring, has been exhausted and a second and revised edition is now being issued.

Edited by Vern Mayclin, with a writing assist from Hal Compton of the Training section and with illustrations by Joan Corbin of the Standards' staff, the manual has been a popular textbook here since it was first issued last March. It's reputation has gone beyond the confines of Librascope, too, with inquiries being received weekly from firms all over the country. GPE headquarters rates it the best in its field.

Producing the manual, according to Mayclin, was a group project. Ideas and suggestions and concrete contributions came from every area in the plant, particularly from Assembly, Electrical Methods, Quality Control and the electrical assembly unit of the Model Shop.

Employees Wed; Personnel Loses, Research Gains

Two of Librascope's best-known and best-liked people — LaVerne Strand of Personnel, and Hal Hamilton, coordinator of research, Engineering — were married early this month.

The two were united in a candle-light ceremony, in Burbank's First Presbyterian church, with the Rev. Mr. George W. Lokie, reading the lines. Following a wedding supper for guests, limited to members of the two families, the pair left for a honeymoon in the high sierras.

Hal is now back, hard at work in a new laboratory in Bldg 3, but Mrs. Hamilton has left her desk as Personnel Manager Mac McKeague's secretary for good. An acre and a half rancho on Foothill Blvd. in the San Fernando Valley, with lots of rooms for roses, now commands her full attention.

Aid Club Gives \$1,026

Librascope's Aid Club has allocated \$1,026 to the Tuberculosis and Health Ass'n of Los Angeles county, as its September contribution to community welfare work. This will bring the total disbursements for the year up to \$14,041.

Spec-Devices Promotes Two To Sen-Engr

Two men playing important roles in the design and development of the Data Processor which Librascope is building for the Federal Airways Administration, were promoted this month by Les Bentley, chief engineer of Special Devices.

Martin J. O'Neill, system coordinator on the FAA project, was promoted from engineer to senior engineer. A native of Chicago who now lives in West Covina, O'Neill joined Librascope in March 1958, after several years as a project engineer for the Electrodata division of Burroughs in Pasadena.

O'Neill is a 1953 graduate of the University of Illinois with a Bachelor of Science degree in Electrical Engineering, who also has done postgraduate study at the University of Michigan and UCLA. He is married and the father of three, Virginia, 5, Mark 3, and Paul, 1.

Carl M. Lekven, a specialist in logic design, also was promoted from engineer to senior engineer. Twice a veteran of the Navy — from '46-'48, and from '50-'52 in which he served as an electronic technician, Lekven is a June '58 graduate of USC, with a B.S. in Math.

Lekven joined Librascope in February 1958, from the Alwac Corp in Hawthorne, where he was a customer service engineer. Earlier he was a computer analyst with Douglas Aircraft. He is a native of San Diego, now lives in Burbank with his wife and two children, Daphne, who is three, and Eric, 1½ years old.

Shift Matthews To Washington, Prevatte Here

New assignments this month sent one engineer to Washington, brought another home from the capitol to Glendale.



Frank Matthews, ASROC project director for Shipboard, joined Ralph Barnett's military relations department headquarters in Washington. Myron Precatte returned to join

the Glendale Mil-Rel staff under Manager Ed Quilter.

For Annapolis grad Matthews, his new post is another phase in a Librascope career launched five years ago when he resigned his Navy commission. Starting as an analysis engineer, Matthews has moved forward to engineer, senior engineer, project manager, then to over-all direction of the ASROC project.

In his new assignment Matthews will function as a Librascope engineering representative to the various military and other government military and other governmental agencies in Washington, and to other Librascope customers on the east coast. He will make his home in Falls Church, Va., with Mrs. Matthews and their two children, Frank E., Jr., 9 years old, and Susan Lynn, 3.

For Prevatte, the return to Glendale marks the end of what was to have been a short-term assignment, but which stretched from the scheduled six months to almost three years. Also a Navy veteran, Prevatte joined Librascope in Dec. 1955, after 10 years of service, in which he wound up as a CPO in fire control.

Prevatte's first assignment with Librascope was as an engineer in field service. He played an important part in the RAT project and shortly afterwards was promoted to Military Relations. The Washington assignment followed.

Married and the father of a young daughter, Prevatte will make his home in Glendale — in the house formerly owned by Matthews.



HAL HAMILTON and bride-to-be LaVerne Strand, cut the cake which featured a going-away party for the pair held in Personnel earlier this month. Mrs. Hamilton (the wedding was Aug. 1) is now trying her own hand at cake-baking.

Visitors Throng Airborne Open House



New Materiel Staffers



Robt. M. Wright

Robert M. Wright, formerly of General Dynamics Corp's Convair-Astronautics division at San Diego, occupies a brand-new position at Librascope, that of Sub-contracts Administrator for the Materiel department. Appointed to the post early this month by Marsh Cowan, material manager, Wright rides herd on all contracts between the company and sub-contractors serving it.

A former telephone company linesman in his native Richmond, Va., Wright worked his way up from the electronics production line at Convair to sub-contracts administrator for the Astronautics division's engineering project office. He has a background of business administration study at the University of Richmond, has managed such diverse enterprises as a night club and a flying service. He holds a commercial pilot's license, and is a veteran of 3½ years in the World War II Coast Guard. Married, he now makes his home in Burbank. He's a sports car enthusiast, too, and drives an Alfa-Romeo spyder.

Edwin R. Ellenhorn, appointed by Cowan as supervisor of material control, succeeds Bill Bietsch, who is transferring to the newly-created customer service section of Ray Rockwell's service operations unit



Edwin R. Ellenhorn

of Eng-Adm.

A 1953 UCLA graduate, Ellenhorn comes to Librascope from Revell, Inc., one of the nation's biggest toy manufacturers, where he was assistant production control manager, later material control manager. Previously he was a statistician for North American Aviation, and served an Army hitch in the Finance Corps.

As material control supervisor Ellenhorn will be responsible for inventory control and the receiving and storage of all material. He is married and lives in Beverly Hills.

EVELYN SCHAFFER, group leader in Payroll-Acctg., has been appointed a supervisor in that department by Mildred Huggins, assistant to the controller. Evelyn joined Librascope eight years ago, after breaking into the business world as a TWA airlines passenger agent.

WILLARD MATHER, who started as a wireman with Librascope eight years ago, has been promoted from leadman in optical instrument adjustment, to foreman in Adjusting, by General Foreman John Blake.

Airborne Holds Open House For Staff Families

An Airborne "open house" for department employees' families and friends, drew a capacity crowd on Sunday afternoon, Aug. 16. From one through 4 o'clock a steady stream of visitors poured through the entrance, toured the building, met Chief Engineer Bob Dietrich and Jim Fallet, chief administrative assistant, the hosts, and partook of refreshments at a buffet in the drafting room.

On display in various bays were examples of Airborne's products, including the ASN-24 and ASN-9 computers, the ground speed and distance indicator, the CP-209 navigation and bomb-drop computer, training aids for CP-209 instruction and numerous servo-mechanisms.

In each bay technicians and engineers were on hand to explain the function of the devices. In other displays the entire component contents were laid out to present a graphic picture of the complexity of the mechanisms.

Catching the eye of the youngsters was a servo display featuring a plastic rocket actuated by two levers hooked up to the servo. "Toughest environmental test this servo's ever had," was one engineer's comment. The mother of one 7-year old reported:

"He figure's his dad must be in the toy business and wants to know when he's going to build him one of those rockets!"

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

Foreman Of The Jury

In Three Trials

Killips took part in three trials, was foreman of one jury on which all the other members were women. One case involved a man charged with narcotics possession; another the larceny of goods from a store; the third, and most serious in Killips' opinion, was that of a man charged with a felony drunk-driving. The sheriff's office had charged him with being responsible for the death of an officer killed in the pursuit of a speeding motorist.

The verdict in all three cases was not guilty, Killips said, and there was little discussion among the jurors about the decision. "We just didn't believe that the prosecution had proved its case."

As a result of his experience, Killips believes that everybody should willingly answer a call for jury service, because: "if you live under a fine system of justice such as ours, you should be willing to play your part in making it work."

And Librascope, he points out, makes it possible for every employee to carry out his responsibility as a citizen, without suffering financial loss. The company pays full wages or salary each week the employee is on jury duty, does not deduct the \$5 per day jury fee paid by the county until 30 days after the employee submits his county pay voucher.

Precisioneer Calendar

Dec. 19 — Children's Christmas Party

Dec. 26 — Annual Christmas Dinner Dance, Sportsmen's Lodge



Fred Killips

Sitting in judgement upon a fellow human being charged with a crime, as a member of a jury charged with making a decision which could send him to jail — or give him his freedom — is a serious business. And the reality bears but little resemblance to its fictional representation on the TV or movie screens.

Those are some of the observations of Fred Killips, order processor in Materiel Control, who recently finished a 30-day period of service as a criminal courts juror in Los Angeles.

"You go through an orientation session in which you are instructed to bring an open mind to the task," Killips said. "You are told to forget any prejudice you may have, to disregard a man's looks, how he talks — any factor other than the evidence — which might influence your decision."

"Believe me, it's a tough assignment. And you need a lot of personal humility to do the job right. I hope that I did. I do know that, acting upon all the evidence that was presented to me, that I couldn't have acted any way other than the way I did."

Six-Months Report Shows Big Credit Union Growth

A half-yearly report on the business affairs of the Employees Credit Union reveals that — like Librascope itself — the organization is growing rapidly and also is doing very nicely in the profit column.

The report, prepared by Secretary-Treasurer Dorris Eberle for the board of directors, and announced by President Ted Donley, shows an almost 50 per cent, across-the-board increase in assets, loans in force, deposits and earnings, as compared to the same period last year. The comparative figures:

	1959	1958
Assets:	\$678,311	\$474,629
Deposits:	643,088	449,554
Gross Earnings: ..	26,956	18,321
Net Earnings:	17,167	11,196
Total Loans:	575,817	330,334
Depositors:	1,572	873

Other data: the credit union has \$60,000 invested in shares of other credit unions, holds \$37,471 in real estate loans, has a regular reserve of \$13,181 and undivided profits of \$4,870. Total operating expenses so far this year are \$9,788; 17 delinquent borrowers owe \$4,414. Total loans made since the organization was founded amount to \$2,442,078.

In Good Shape

"All in all, we are in very good shape," Donley told LIBRAZETTE, "but I would like to see more people taking advantage of what we have to offer. We have 1,572 members — but there are 2,818 employees. This means that we haven't sold our product to the 1,246 outside the fold.

"I'd like to point out again to those who aren't on the books that the credit union will earn more money for you on deposits, and will charge you less for the money you borrow, than many other financial institutions."

Officers and board members of the credit union, in addition to Donley and Mrs. Eberle, are:

Vice-Pres - Val Castle; Board members - Donley, Castle, Eberle, Keith Kinnaird, Norm Stevens, Urban Kemme and Art Vincenti.

Joe Wilson is chairman of the credit committee, whose other members are Jim Whiting and Steve Jackson. The supervisory committee is headed by Cliff Godwin, with Pete Mobley and Jay Wiltzie as members. Keith Kinnaird heads the education committee, with Val Castle as the second member.

Apprentice Tests

Applicants for the two openings in Librascope's apprentice training program took qualification tests this month before the state apprentice board. Qualifiers will be examined by the joint Librascope-IAM apprentice committee, which will make appointments before Sept. 1.

"Red" Lahr Reports on Cuba

Field Service engineer Marvin Lahr, better known as "Red" to half the Navy and all of Librascope, was back in town for a brief visit early this month, awaiting a new assignment from Field Service Supervisor Bruce Luther.

Red was fresh from the Navy's Guantanamo Bay base in Cuba, with first-hand information about the revolt there which swept Fidel Castro's rebels into power and sent President Batista flying to the Dominican Republic for refuge.

"The base is in Oriente province, which is where Castro's revolution was born," Red told LIBRAZETTE. "It was never in danger, but there was plenty of action going on all around us. Once a Batista gunboat shot up a stretch of road between the base and Santiago, trying to hit a rebel truck convoy.

Batista Wounded

"Both sides fought it out regularly in skirmishes along that road," Red recalled. "Castro's guerrillas used to bring the Batista wounded up to the gate of the base and leave them. The Navy — occupying a neutral area (the base is regarded as U.S. territory) — sent them in, patched them up, and sent them by Navy vessels to wherever they wanted to go."

Field Service Transfers Six To New Assignments

Two promotions and six new field assignments were announced this month for Field Service engineers by Bruce Luther, supervisor.

John F. Kelley was promoted from field service technician to engineer and Mark E. Ferry was elevated from field service engineer to senior field service engineer.

Kelley was reassigned from Glendale to Newport, R. I.; Jim Daffron from Glendale to Guantanamo Bay, Cuba; Wren Ensminger from Glendale to Norfolk, Va.; Red Lahr from Cuba to Boston, Mass.; Richard I. Gilman transferred from Burbank division to Glendale; and Dick O'Connor moved from Newport to San Diego.

"L. L." Keeps The Lights Burning

Lloyd Loos, the man who was Librascope's first plant electrician and is now its supervisor of electrical maintenance, refuses to be daunted by the problems presented by responsibilities which seem to increase geometrically, as Librascope keeps adding more and more buildings to its plant.

The lean and wiry Lloyd, who never walks at any pace less than a fast trot, is spreading himself and a crew of eight rather than these days taking care of the electrical needs of 16 buildings. He manages to keep abreast of the work, he says, by a combination of preventive maintenance ("anticipating trouble"), avoiding power overloads ("this saves money because it prevents damage") constant inspection ("you've got to know your plant's condition") and the efforts of a "very fine crew of electricians."

For six years after starting here in 1950, Lloyd was rarely without a kit of tools dangling from his belt, but three years ago supervisory work became so demanding that he hung up his pliers and soldering iron for good. Now he surveys the



NEW DUST-FREE set up for assembly of intricate mechanisms is shown in new Providencia street plant in Burbank, which went into operation this month. General Foreman Max Schirmer (R), watches, (from right to left) Alex Janos, operating sonic cleaner, and Charles E. Morgan and Lorraine Mackey using dust-

free assembly chambers. Parts of differentials and integrators are put together by assemblers working with hands inside chambers; complete mechanisms emerge at other end of line without ever being exposed to outside air. (Crawford photo)



Lloyd Loos

work, lays it out and keeps the supplies rolling to the men on the job.

Librascope's consumption of electrical current is one of the largest in the Valley area, Lloyd says. It's distribution system has a 7,000 kilowatt ordinary capacity and can handle up to 40 per cent more on demand. He takes pride in the fact there has never been a plant shutdown because of an in-plant power failure.

Martial Law

"Cuba today, wherever you go, is under virtual martial law," Red reports, "if only because much of the civil government in outlying areas took to the boondocks with the switch in power. You might say that Castro's army has been forced to take over.

"There are frequent roadblocks along the highways, and all travelers arriving in Cuba, and all those leaving the country are searched from head to foot," Red says. "It will be quite a while before the country settles down, I'm afraid."

Red, who counted the Guantanamo Bay assignment as one of the best he ever had ("officer club privileges, boating, swimming, fishing and golf, wonderful climate, overseas pay") has been succeeded by Jim Daffron. Red has been assigned to the Boston Navy Yard and also will supervise Navy personnel in maintaining Librascope equipment at Quincy, Mass.; New London, Conn.; Portsmouth, N.H.; Philadelphia and Camden, N.J.

Start 15-Week Industrial Engineer Course Sept. 22

Librascope's tailor-made course in industrial engineering, drawn up by USC professor Bill Girouard, will start Sept. 22 with a full enrollment of 20 students, all drawn from the industrial engineering department of Production.

The course has been specifically designed to meet the needs of Librascope personnel and is the result of Girouard's three-month close observation of the manufacturing operation. Functioning as an assistant to department manager George Clark, he roamed the plant and took a part in every phase of the department's work.

The course designer also will conduct the classes, which will be given each Tuesday evening on the "Librascope campus", in the conference room of Bldg 5. Each session will last three hours and there will be 15 sessions in all, ending Jan. 12, with a three-week break during the Christmas season.

Certificates will be awarded to graduates by Clark, who was the first to sign up for the course. Says Clark: "I can't afford to let the staff get smarter than I am!"

Educational First

Librascope's decision to have courses specifically designed to fit its particular needs, is an educational "first", according to Girouard, who plans to write a paper on the experiment for a professional journal.

"Most companies make use of already existing courses," Girouard said, "and send their people to take instruction in extension school classes at the college. In creating specially-tailored courses and offering them on its own premises, Librascope is making a real pioneering move."

Veteran Teacher

Girouard is a native of Boston and six years in California have rubbed off only a fraction of the Anglo-Celtic accents of America's cultural capital. He is a graduate of his home town's famous high school — Boston Latin — of Oberlin College (B.A.) and USC (B.S.) and currently is working on a Master's degree in Industrial Engineering. He joined the USC faculty when he took his degree four years ago. Prior to that he had taught Mathematics at his high school alma mater and at Friends' Academy, a well-known prep school in North Dartmouth, Mass. He teaches the full array of industrial engineering courses at USC.

Be sure to tune in Librascope's radio program, "You and Your Future," with Gene Emmet Clark. It's heard over KBIG and KIEV every weekday morning at 6:45 o'clock.



Bill Girouard

Girouard served with Marine ground forces in the Pacific area during World War II, and was called back to active duty in Korea in 1950. He met Lieut. (SG) Judy Chobany of the Navy Nurse Corps then. She is now Mrs. Girouard.

New Gift Items On Display At Employee Store

Addition of an assistant to Manager Eileen Brown, now permits the Precisioner store to be open for its full span of hours — during break periods, the lunch hour and after day shift shutdown until 4:45 o'clock. The new assistant is Donna Benbow.

A new line of gift items shortly will make their appearance at the store, the result of Eileen's visit to the giftware shows at the Ambassador and Biltmore hotels. Mrs. Brown also attended the showings of the new Zenith and Motorola television and radios. She is offering show specials in Motorola table model radios at \$13.69 and \$17.92.

A new shipment of Futura model Royal portable typewriters is expected in time for school openings.

"A Night Under The Stars" Draws A Packed House



Big Turnout At Pasadena "Night Under The Stars"

The Precisioners' "Night Under the Stars" packed the Pool Gardens of the Huntington-Sheraton hotel in Pasadena Aug. 15 for a record turnout. Dance Chairman Chuck Brennaun estimates that 400 Librascopers and friends turned out for the affair, for the biggest social success of the year.

Every department of Librascope was well-represented. Seen on the dance floor were Mr. and Mrs. Bill Bratton; Mr. and Mrs. Bill Bell; Mr. and Mrs. Paul Kennedy; Mr. and Mrs. George Clark; Mr. and Mrs. Bill McAboy; Mr. and Mrs. Tom Bryant.

Bob Garrett, Precisioner president and Mrs. Garrett were another couple. Others on hand included Glen Seltzer and Mrs. Seltzer; Bruce Luther and Mrs. Luther; Mr. and Mrs. O. H. Shoemaker; "Dusty" and Mrs. Oestein; Mr. and Mrs. Frank Copple; Bob and Mrs. Somerville; Mr. and Mrs. Walt Newcomer; Howard and Mrs. Applegate; Mr. and Mrs. Bob Bruce, and several hundred others.

All present rated Carroll Wax's orchestra the best of the year.

The Librazette

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Quiz Without Numbers

- 1) Which player has the advantage in a game of tic tac toe if it is played without a diagram?
- 2) When the gas company's storage tank is highest, is the outlet pressure also highest?
- 3) Describe a communication that requires no energy for transmission.
- 4) The keyhole in a Yale lock is off-center. Would the leverage of the key be improved if it were centered?
- 5) If a truck falls into a closed drydock from a ship which is floating in the drydock, will the water level of the drydock go up or down? Will the ship go up or down?

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Where Do You Live?

If you haven't been getting your copy of **LIBRAZETTE** through the mail, changes are that Personnel Records does not have your correct home address. An average of 50 copies are returned by the Postal Service each month bearing notations such as "moved; no forwarding address"; "unknown", or "no such number". Thelma Mays, in charge of records, requests that all Librascopers report changes of address without delay.

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

"A Very Determined Man"

The De Grazio family of Montebello has a great respect for higher learning. There's James, a graduate of USC's medical school, now a resident physician on the county hospital staff, and Anthony, graduate of LASC, a junior high school teacher in his home town.

And now, joining the family group of degree holders is Philip, better known to Librascopers as Phil, a member of Rudy Rieder's production engineering staff. Phil, now a Bachelor of Science, (Industrial Engineering), University of Southern California, June 1959, is the DeGrazio who launched the family tradition — 18 years ago.



Phil DeGrazio

Eighteen years of holding down full-time jobs, broken by four and a half years as an Air Force fighter pilot, founding and running two successful businesses, and putting two brothers through school. And, along the line, learning the full range of machine shop skills and the art of tool design.

Three Alma Maters

Phil can call three institutions his alma mater; Los Angeles City College (1½ years), which he left to join the Air Force; UCLA (1 year) and finally USC, from which he graduated after two years.

All of this as a night-time, after working hours student, which, as USC professor Bill Girouard says,

is getting an education "the hard way." Girouard, on Librascope's Industrial Engineering staff this summer, observed Phil during his school years, calls him a "very determined man."

Phil hasn't run out of determination. This Fall he starts after his Master's degree. By now, he says, the pursuit of useful knowledge has become a habit — and one that he has no intention of ever trying to break.

Phil, who was an engineering associate, was promoted this month to production engineer by Supervisor Rieder, after receiving his degree.

Jeanne's A-Wingin Again; This Time To South America

Jeanne Snyder, Librascope's travel coordinator, took off this month for a vacation which will virtually complete her personal coverage of the earth's surface.

Globe-hopping Jeanne has crisscrossed the United States, Canada and Mexico several times, also has flown over the North Pole en route to Europe, Africa and Asia. This time she is making a flying tour of South America.

In the space of three weeks Jeanne is going to Panama, Peru, Bolivia, Argentina, Uruguay, Brazil, Venezuela, the Dutch West Indies and the British West Indies. She'll have two days in Peru to explore ancient Inca ruins, two days in the glamor cities of Sao Paulo and Rio De Janeiro, three days at Curacao, two days at Kingston, Jamaica, and another two days in Miami, before returning to Glendale late this month.

GPE Exchange

KEARFOTT continues its program of creating completely self-contained divisions, has set up three more in recent months. New divisions are Systems, Gyrodynamics and Electro-Mechanical. Each has its own engineering and production groups, and supporting units such as general and cost accounting, materiel acquisition.

Reason for the action, as officially stated by management: to place Kearfott in a better position to meet requirements presented by complex development and short-run business which characterize present-day market in component and systems manufacture.

LINK has formed a management council to further exchange of ideas on employee relations problems, policies and practices. Firm also has a Supervisory council operating in same area at line level.

GRAFLEX currently is conducting a campaign to recruit more engineering, production and design talent, has called upon its employees to lend a hand by scouting friends and neighbors.

ROBERT T. RINEAR has been named Executive V-P of GPE, with primary responsibility for legal and international affairs. He has been a director since 1942, vice president since 1952.

KEARFOTT dedicated its newly expanded Precision Components division building at Ashville, N. C., on June 19, with Governor Luther Hodges as principal speaker. Local newspaper published a special 16-page edition to mark the event. Main plant at Little Falls, N. J., is adding 167,000 square feet to engineering and production facilities this year.

Hunter Plans Alaska Trip

Paul Litvinoff, Librascope's leading Nimrod, takes off on his annual hunting trip Sept. 22 to try to add a Kodiak bear to his bag of trophies.

The soft-spoken supervisor of drafting for Airborne is a notable hunter who has hunted virtually every big game animal found in North America. He has bagged wild boar on Catalina, elk on Washington's Olympic peninsula, Big Horn sheep in Wyoming, caribou and

peninsula. This mountainous and watery territory stretches from the Gulf of Alaska to the very tip of the Aleutian chain on the Bering Sea.

He will travel from Los Angeles by commercial airliner to Seward, Alaska, then fly with a "bush pilot" to Kodiak island. He will be the guest of Father Timothy Ivanoff and Father Boris Makaoff at the Russian Orthodox church mission on the island.



PAUL LITVINOFF and a trophy from a previous hunting trip. Next trip he goes after a bearskin rug to cover the floor before the fireplace. And, if he's lucky, there'll be a big-horn sheep and giant Alaskan moose for the living room wall.

grizzly bear in British Columbia.

Paul has been planning his present trip for years and will be looking for giant Alaska moose, grizzly bear and Dahll Big Horn sheep as well as the Kodiak bear. The area in which he will hunt embraces Kodiak, Baranof and Chicagof islands in the Aleutian chain and the Kenai

For gun fans, this is the armament Paul will take with him, straining airplane cargo capacity and his pocketbook at the same time: one Holland and Holland .375 magnum rifle; one Winchester Model 70; .30-06 rifle, a .45 calibre magnum pistol and the brand-new .338 Winchester magnum rifle.

Basketball Manager Sounds Player Call

Manager Charlie McKallor has issued his first call for Precisioneer basketball team tryouts. Membership on the team, which won first place in Burbank Industrial League competition last year, is open to all male employees of Librascope.

A mid-September date, not yet chosen, will see the first workouts, at McCambridge fieldhouse in Burbank. Exact information will be posted on plant bulletin boards. Light workouts and scrimmage will be the first order of business; later in the Fall there will be a series of practice games. The team roster will be decided after the practice games.



Stephen Louis Arena, 5 pounds, 4½ ounces, at 9:00 P.M. June 19, at Kaiser Memorial Hospital, Hollywood. Proud parents are Mr. and Mrs. Jim Arena (Contracts Adm.).

Gregory Steven Robinson, 8 pounds, 1 ounce, at 2:55 A.M. June 25, at St. Joseph's Hospital, Burbank. Dad is Bob Robinson, Jr., of Timekeeping.

Colleen Yvonne Albert, 7 lbs., 12 oz., 2:15 AM July 26, at St. Joseph's hospital, Burbank. Dad is Jack Albert, Parts Dispatching.

Arlina Jo Rousseau, 6 lbs., 2:08 AM, July 14, at Valley Presbyterian hospital. Papa is Ralph Rousseau of Production Control.

Barbara Jean Naomile, 6 lbs., 4 oz., 1:31 PM Aug. 7, at Glendale hospital. Father is Jule Naomile, leadman in Assembly.

HIGH PRESSURE water main spewed 200,000 gallons of water onto Flower street in front of Bldg. 5 parking lot on a hot day this month, when a visitor's car snapped off a hydrant. The sight drew scores of the curious, among them Tom Vinceri, Bldg-Eng draftsman, who discovered that his brand new car had been virtually drowned by the downpour.

New Supervisor



Bob Wadsworth

Bob Wadsworth, a Librascope for 3½ years, was promoted from group leader in drafting to assistant drafting supervisor this month, by Supervisor of Drafting Dean Fredericks. He will have charge of a group of job-shop draftsman from the Engineering Corp of America, in quarters in the administration building of the Burbank division on Tujunga street.

New Foreman



Ken Palmer

Kenneth J. Palmer, who joined Librascope May 6 as a wireman, was promoted from leadmen to foreman in electrical assembly this month by General Foreman Carl, Jr. Palmer, a native of Appleton, Wis., had been a leadman for three years with Applied Research Laboratories, Glendale, before coming to Librascope.



ARTIST'S conception of how the new Production Division building on Sonora street will look when completed. Walls of the 80,000 square foot structure are

expected to start rising in mid-September. Meanwhile, the concrete roof is being cast on the floor and will be jacked into place shortly.



HAPPY YOUNGSTER behind wheel of miniature roadster is 12-year old Greg DuVal, with Dad George DuVal Ship-Eng designer, who designed and built the car. A one-time racing car designer, George builds

the roadsters as a paying hobby. They're powered with a six horsepower engine and can get up to 45 miles per gallon. (Lee Duggan photo)



SPOTTING 'scope is presented by Bob Garrett, president of the Precisioners, to Len Soper, president of

the Gun Club. It was sponsoring group's gift to Librascope riflemen, who open their Fall season Aug. 30. (Earl Grawford photo)

Gunners Start Fall Season Sun., Aug. 30

Librascope's Gun Club starts its Fall season with a plinking match for small bore rifles Aug. 30 at the Juniper Tree range northeast of

Newhall. A practice session starts at 8:00 A.M. and the match at 9:30.

Shooters will fire over a 100-yard range at a 12 inch bell target. Rifles are limited to .22 calibre, with any sight, but magnum weapons are ineligible.

According to club president Len Soper, the indoor rifle range at Hoover High school, Glendale, will be available again to club members, starting the first Tuesday evening after school reopens.

Be sure to tune in Librascope's radio program, "You and Your Future," with Gene Emmet Clark. It's heard over KBIG and KIEV every weekday morning at 6:45 o'clock.

Precisioneers Cop Pennant But Lose Playoffs

Bendix Team Both Victim And Villain

LibraSport News

Four Jokers Take Summer Bowling Title

by Charlie McKallor

The Precisioneers, who won the AA Minor League softball pennant — for the second year in a row — failed in a bid to make a double sweep of diamond honors on Aug. 13, when they lost the Shaughnessy playoffs to the Bendix West Coast team, by a score of 5-4.

Although Sam Houchin gave up only five hits, a combination of four walks — one of them at the wrong time, and a dropped fly-ball, sent him down to defeat. But as Dizzy Dean has said, you can't win 'em all, although Sam did almost that, with nine wins and only one loss in the regular season.

The Precisioneers, especially Joe Fido, Jim Fallet and Art Moreno, did pretty well at the plate. Fido hit two doubles in three times at bat, driving in two runs; Art hit two singles and Jim drove in two runs with a double in the sixth. That inning was the big one for the home team; they had three runs in and the bases loaded when George Henderhan struck out with the bases loaded.



"IRON ARM" Sam Houchin ... nine wins, two losses.

But the really big night was when the Precisioneers took the pennant by walloping Bendix-West Coast 4-2, at a time when a loss would have meant a tie and a playoff.

"Iron Arm" Sam Houchin, pitching his tenth game of the 16-game season was liberal in the first inning, giving up two back-to-back doubles for Bendix' first run. Settling down, he didn't permit another run until the fourth inning, when he gave up the second and last as Bendix put together a single and a triple.

Thereafter Sam gave up only two scattered hits. The Precisioneers went to work for him in the sixth when Steve Smith led off with a double. Jim Fallet singled and Walt Newcomer tripled them home to tie the score.

Neither side scored in the seventh and the game went into extra innings. In the top of the eighth Newcomer singled to right, Joe Fido doubled down the right field line. With men on second and third Sam won his own game by scoring Newcomer with a sacrifice fly to right field. Fido scored an insurance run on a Bendix error. Sam then put the finishing touch to the game by striking out the side in the last of the eighth.

The Precisioneers thus finished the season with a record of 12 wins and four losses, for a .750 average. Sam pitched nine of the wins and lost one. Joe Fido won a pair and Ken Peltier, whose misfortune was to be on the mound on those nights when the Precisioneers weren't playing their best, scored one victory and lost three.



CHARTER MEMBERS of Librascope Golf Club women's division, meet for first annual awards dinner. From left to right: Laurel Stephens, Helen Griman, June Bates, Maggie Craffin, Virginia Martin, Shirley Ryan, Nadine Stevens, Edith Wrobel, Charlotte Webberson, Mary Ann Larson, Donna Rokahr and Miriam Busby.

Gal Golfers Award Prizes To Top Players

The Women's division of the Librascope Golf club held its first social gathering of the year this month, made plans for 100 per cent participation in the forthcoming Hesperia tournament, and awarded prizes to three of its members.

Charlotte Webberson, Mfg., ranked best in low gross — best three out of four games — with a 167; Laurel Stephens, Eng-Adm., had best low net with 113 and Virginia Martin, Ship-Eng., was first in holes won with 25½. Each was presented with a wrist counter.

Women's Division president Maggie Chaffin, Eng-Adm., issued a general invitation to all women employees to join the group, and urged non-members to take part in the tournament.

The meeting, held at Alphonse's restaurant in Toluca Lake, brought a full turnout of the group's charter members. Those present included, June Bates, Miriam Busby, Florence Cummings, Juanita DelleFave, Helen Griman, Gertrude Jones, Mary Ann Larson, Virginia Martin, Dona Rokahr, Shirley Ryan, Laurel Stephens, Charlotte Webberson, Edith Wrobel and Nootie Stevens.

Librascopers Win AIRC Golf Tourney

Librascopers won the team and low gross trophies in the Third Annual Associated Industrial Recreation Clubs golf tournament this month at El Rancho Country Club, near Rialto. It was the first time that a Librascope team had won, and the first time that the Burbank City Employees' Club, two-time champions, had lost.

The Librascope team won with a total stroke count of 324. Jim Drugan had a 77; Carl Culver, Jr., an 80; Hugh Smith an 83 and Bob Lawlor an 84.

Drugan's 77 also brought him the individual low gross trophy.

Other Librascopers taking part were Bob Somerville, Joe Mesch, Wally Jobe and Hal Shartle, the latter substituting for the ailing Mac McColl.

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11:30 a.m. to 12:30 p.m.
4:00 p.m. to 4:45 p.m.
Monday through Friday

Object Of The Game

Walt Wuest, Spec-Dev, after downing Howard Miller in a regularly scheduled match on Griffith's Harding course Aug. 3, decided to play a few more holes on the way to the clubhouse. The pair were joined by Wally Jobe and Phil Shipp of the Burbank Division and the foursome teed off on Harding's par 4, 365 yard 17th.

Wuest, a 36 handicapper, hit a respectable 200 yard drive in the fairway, then pulled out his 5 iron and proceeded to blast the ball straight for the pin. The group watched its flight to the green in stunned silence, which was broken by Jobe's sudden shout of "It went in the hole." Wuest, unbelieving, charged up to the green and there, resting in the bottom of the cup, was his first eagle.

Some skeptics might call it a lucky shot, but not Walt. With admirable logic he points out that the object of the game is to get the ball in the hole and that's what he did.

It's 1959, But Godwin Wins '58 Calcutta

The long-delayed 1958 Librascope Calcutta Golf Tournament finally ended July 18 when Cliff Godwin, contracts, overwhelmed 5-time champion Bill McAboy, eng-admin., eight and six.

The match, played over the tricky Oakmont course, saw Godwin fire a one over par 37 to go seven up at the end of nine holes. He bogied the tenth to go eight up when McAboy slipped to a triple bogey seven, then lost his first and only hole of the match to McAboy's par on the eleventh.

McAboy, seven down with seven holes to play, couldn't get his game under control and Godwin closed the door by taking the twelfth hole. In addition to a sizeable bundle of cash, the winner received a Calcutta trophy donated by Bob Bruce, host-operator of Librascope's cafeteria.

Godwin, on the way to his first Calcutta crown, defeated Glen Seltzer, Wally Jobe and Hugh Smith in earlier matches. McAboy, who won this tournament four consecutive years beginning in 1949, then won again in 1954, downed Arnie Brown, Mac McColl and Charlie Curan in his march to the finals.

The executive committee of the Librascope Men's Golf Club is planning revisions in the Calcutta tournament with a view toward shortening the time needed to complete it. Details of the new plan will be announced at the annual tournament Sept. 13.

Top Golfers To Compete At Hesperia

One of the classiest fields in Librascope golf history will participate in the eleventh annual company tournament at Hesperia Country Club Sept. 13, according to Tourney Chairman Carl Culver Jr.

An influx of low handicappers and the steady improvement of several Librascope links veterans promises to make competition for the President's Cup and the Precisioneers Trophy the toughest in years.

An added fillip is assured with the announcement that members of the Librascope Women's Golf Club will make their debut in this year's tournament.

Selection of Hesperia as the site for the 1959 tourney has altered the long established pattern of the annual affair. Most important in the eyes of the golfers is the fact that the first Librascope foursome will tee off at 8:00 a.m., thus assuring that all participants will be able to complete 18 holes.

Bus Transport

Bus transportation is being provided for those who don't want to make the 90-mile drive to and from the desert course. Golfers can also take advantage of the facilities at Hesperia Inn and make this a real week-end vacation. Details on reservations may be obtained from Culver or Golf Club President Hal Shartle.

The day's activities will be climaxed by the awards dinner which will be held at the Inn. Dancing and a floor show will follow.

Main interest, however, will center around the action on the course. Mac McColl, low gross winner at Montebello last year, and Jim Robinson, who bagged low net honors, will be out to prove that their '58 victories were no flukes.

Many Challengers

A number of challengers, including Culver, Hugh Smith, Cliff Godwin, Bob Lawler and Jim Duggan, will make it tough for the '58 champs to repeat. While the President's Cup and the Precisioneers Trophy are the big items up for grabs, the tournament committee has a number of additional prizes to distribute to contestants.

The golfers will also be competing for the sixteen spots in Librascope's annual Calcutta. The list this year will include the eight low gross and eight low net finishers in the tournament.

Four Jokers Take Summer Bowling Title

By Fred Killips

The Four Jokers wound up in first place in the Summer Bowling League season, with a total of 34 games won and 14 lost, a five-game edge over Three Hits and a Miss, who scored 89 more pins (25,479 to 25,390), but not always on the nights when they were needed most.

Members of the winning team were Dee Haynie, Jim Conway, Joyce Lee and Bill Goepfinger. On the runner-up were Carl Baker, Gene Swope, Greta Cline and Joe Cline.

The fifth-place Guys and Dolls (26-22) bowled the highest team series—2,166, and the Four Jokers scored the highest team game — 791. The high individual series for men was a tie at 671, between Bill Goepfinger and Carl Baker, with Pat Coffin of the Two Pairs taking the gals' crown with a 605. George Kucks of Team Three bowled the highest individual game for men — 261; Mary Ruth Coffin of the Two Pairs bowled a 236 to take the women's high.

The final team standings:

Team	Won	Lost
Four Jokers	34	14
Three Hits & A Miss	29	19
Team Three	28	20
Ringers	27	21
Guys & Dolls	26	22
Two Pair	26	22
Four Hams	23	25
Sprites	23	25
Shagetz	20	28
Flubadubs	20	28
Three Strikes & A Spare	19	29
Jags	13	35

Others taking part in the competition were: Gail Davis, Amy Henry, Jim Clarke, Wayne and Yolanda Presho, Janice and Wally Winstead, Bert Elder, Carl and Ed Liberty, Leo King, Bill Klingensmith, Shirley Lawyer, Mary Burman, John Kavilis, Juanita and Ernest Vanderford, Herb Tamashiro, Dick Korn, Paul Blode, Barbara Swope, and Fred Hays.

Also, Dick Resnick, Carl Jordan, Gerry and Pete Mobley, Jerry Coffin, Hal Server, Gene and Carol Thomson, Evelyn and Frank White, Dot and Don Schafer, Harry and Mary Carr, Sam and Gerry St. Clair, Angela and John Mielkus, Ron Spencer, Jay Langston and Roland Whiting.

Most Improved

Rated the most improved bowlers for the season were Frank White, with an 11-pin gain, and Greta Cline, who upped her average by nine pins.

In the sweepstakes which climaxed the season's play, the Shagetz took first place in team competition, with the Two Pairs second and the Flubadubs third. Hal Server was first in men's singles, and Bill Klingensmith second. Shirley Lawyer copped first place in women's singles, Mary Carr was second.

In the men's doubles it was Hal Server and John Kavilis on top, with Jerry Coffin and Hal Server, (again) in second place. Bill Klingensmith and John Kavilis, (again) took third.

In the mixed doubles Bill Klingensmith and Shirley Lawyer were first John Kavilis and Shirley Lawyer (again) took second; Don Schafer and Mary Carr were third and Gene and Carol Thomson were fourth.

The Winter Bowling League opens its season Sept. 10 in a new location — the Grand Central Bowl at Flower and Sonora streets — and with an embarrassing number of Librascopers eager to compete for prizes and awards. A total of 135 have signed up to play — but there is room for only 18 five-man teams.

"It looks like we're going to have an extra large supply of substitutes," says league president Jeanette Calley. "We just didn't think we had that many people interested in bowling, so we reserved only 18 alleys — and that's 10 more than we had last year."

Libravets Welcome 20 5-Year Veterans To Ranks



Earl Brown

Shirley Johnson

Caswell Phillips

Dorothy Gifford

Howard Hofland



A. J. Pankratz

Art Sagar

Frances Theck

Chuck Breuer

Donna Houchin



Ruth Lassagne

Isidore Bloom

Gerry Henshaw

Delia Cerda

Paul Russell



Leo Martin

Twyla Harmer

Chuck Saunders

Howard Henderhan

Marie Sagar



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