

Imm Forecasts Gradual Move Of Airborne To San Diego Area, Special Devices To Sunnyvale

President Lewis W. Imm has announced a "gradual move" of sections of Airborne Engineering to the San Diego area and of sections of Special Devices Engineering to Sunnyvale.

No "time schedule" has been set for the move; and it could in fact take "as long as five years"; but the move will undoubtedly create "opportunities for individuals that would not have been present if we had not grown to the point where decentralization has become necessary..."

The following is the text of Mr. Imm's announcement on the move:

"BECAUSE OF THE extremely limited area in Glendale that is or could be zoned for industrial use, land prices are so high that any substantial growth of our present

activities in Glendale is economically unsound.

"With this in mind, and after a great deal of consideration and discussion, we have decided to plan for the gradual move of sections of the Airborne Equipment Engineering Department to the San Diego area and sections of the Special Devices Engineering Department to Sunnyvale.

"I CERTAINLY RECOGNIZE that such a decision with no further information can be very upsetting to any individual who thinks he might be involved. Therefore, I want to point out to each of you that we have not yet established any time schedule for these moves.

"They could string out for as long as five years. Further, I want to assure all who might move that

I will give them definite information as to dates just as soon as our plans are firm enough to even estimate when the moves will be made.

"IT IS MY EARNEST HOPE, also, that when we reach the point of actually asking anyone to move, we can so plan our work that it will not be necessary to insist that anyone make the change who has good reason not to want to.

"I know that these changes are going to create opportunities for our people that would not have been present if we had not grown to the point where decentralization has become necessary.

"With all of you continuing to contribute as you have in the past, there is no reason why any separate branch should not be as large in the future as the entire Librascope Division is now."



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April, 1960

LGP-30 Now Second In Sales; RPC Lines To Enter Market During 1960, Murray Reports

Librascope-built desk-size computers, built by Burbank Branch, are making "excellent headway in the commercial market," according to James W. Murray, Chairman of the Board, General Precision Equipment Corporation.

In an annual report to GPE shareholders, Murray said, "One of the computers, the LGP-30, is now second in numbers sold among all computers on the market. By the end of last year, 350 units had been shipped.

"Only one other type of computer—a unit more than three times the size of the LGP-30—exceeds our computer in sales."

Scheduled for production and sales later this year is a second line of desk-size computers, the RPC 4000.

"THIS COMPUTER is fully transistorized," Murray said. "And it has the largest memory capacity of any computer its size—more than 8,000 words."

A third unit scheduled for production and sales in 1960 is the RPC 9000, a data processing system that can search, interrogate and update business records concurrently.

"WE HAVE ALREADY made excellent headway in the commercial market with computers, data processors and industrial products," Murray said.

Employment at the Glendale Branch continues to break all previous records, according to Personnel Manager, C. P. McKeague.

In February, 240 persons were hired, more than had ever been hired in any single month in the company's history. Last month, this record in turn was broken when 307 persons were hired.

On April 1, the total number of persons employed in the Glendale Branch was 3,349; in all branches of the Division, 3,889.

Guidance Panel Delivered to Navy In Record Time

A guidance control input panel on the analog portion of the Polaris fire control system has been designed, produced and shipped to the U.S. Navy within a period of three-and-a-half months, reports Dick Potter, Polaris Project Manager.

The new panel, replacing the accelerometer scale factor input panel on the Polaris system, was shipped April 1 to the U.S.S. George Washington, the world's largest nuclear powered submarine.

THE PROGRAM to produce the guidance input panel was placed on a "crash" basis when, last January, the Navy requested that the accelerometer panel be redesigned because of modifications in the Polaris missile's electronic controls.

"It's successful completion was only possible because of the fine cooperation between the manufacturing and engineering personnel on the project," commented Potter.

General Electric, prime contractor on the Polaris fire control system, last week sent a congratulatory telegram to Librascope for "a good job, done in record time."

Barnett Elected Vice President

Ralph Barnett, Manager, Eastern Branch, has been relieved of his concurrent assignments as Military Relations Director and Manager of the Washington Office, and has been elected a Librascope Vice President, according to W. E. Bratton, Executive Vice President.

Recently named Manager of our Eastern Branch, Barnett has taken charge of a rapidly developing sphere of responsibility involving coordination, planning and contact with other corporate officers of General Precision, Inc.

As a Librascope Division Vice President, Barnett maintains contact with the parent corporation and its officers, and performs liaison between GPI and Librascope Division.

"And while we are aggressively continuing our progress in the military field, we are also accelerating efforts to increase commercial business by exploiting our technology for new commercial products," he added.

GPE Will Move To Hudson River Site

General Precision Equipment Corporation is scheduled to move its corporate headquarters from 92 Gold Street, New York City, to a seven-acre estate in suburban Tarrytown, New York.

On the Tarrytown site, which overlooks the Hudson River, GPE will construct a two story, 40,000 square foot building.

The new building will also be headquarters for General Precision, Inc., the operating subsidiary of GPE, and the corporation of which Librascope is an integral division.

Full occupancy of the new building is expected by December, 1960.

Librascope Sponsors "Global Newswatch"

"Global Newswatch," a six-minute roundup of world, national and regional news, is now being sponsored by Librascope, according to Ken Slee, Director, Public Relations and Advertising.

The program is heard five days a week, Monday through Friday, at 7:30 a.m., on KHJ. Henry Travis is the newscaster.

The commercial portions of the program recount Librascope's achievements in the computer, guidance, controls and systems fields, says Slee.



EASTER, 1960

As we find ourselves in the midst of this Easter Season, it may be well for all of us to reflect upon the meaning of the time as it affects each of us personally.

Whatever our faith, there is perhaps always a need for a periodic examination of ourselves, a look inward, into those beliefs and ideals which we hold, and which shape the course and conduct of our lives.

A rebirth of the spirit, a new fresh look at ourselves and at our daily actions, hope and ideals, is always a salutary experience.

If we may call upon our deepest sources of strength and purpose, and if we may examine and evaluate our goals and purposes in terms of ideals of the spirit, then we should indeed profit from the meaning of this Season, and be enriched thereby.

To each and every one of you, I should like to extend my sincerest greetings for the Easter Season.

—Lewis W. Imm

Sunnyvale Branch Wins Space Aeronautics Award

Librascope's Sunnyvale Branch has won the Space Aeronautics magazine award for the "Product of the Month," according to Randolph Hawthorne, Editor of the magazine.

"Out of the hundreds of product brochures, press releases, technical papers and other descriptive materials that reach our magazine each year, twelve are singled out—one a month—for particular recognition," Hawthorne said.

The March, 1960, award has been made to Sunnyvale Branch for its achievements with the Exploding Bridge Wire, a development that has been hailed as "a new concept in missile ordnance system safety and reliability."

The Space Aeronautics award, cast in the form of a plaque, reads: "This award is made in recognition of outstanding service performed through the development and manufacture of a product contributing

to the advancement of the aerospace industry."

A survey of Librascope's Advanced Research and Applied Research activities will be offered at two separate engineering seminars this month.

Hal Hamilton, Director, Advanced Research, will speak on "A Perspective for Automata Research" at 2:45 p.m. on April 14 in the conference room, Building 16.

Wayne Blackburn, Director, Applied Research, will discuss "Description and Status of Applied Research Projects" at 2:45 p.m., April 28, in the conference room, Building 16.



COLLISION COURSE—These two attractive young ladies are headed for a collision at a "blind" corner in one of our buildings. According to Safety Coordinator Wayne Strong, there have recently been several accidents at such corners; in one case, two persons, each carrying cups of coffee, collided; and a severe scalding resulted. "It's just as important to watch where you are going in a hallway or corridor as it is in a naturally more hazardous area such as the machine shop," says Strong. "Slow down, watch those corners." Posing to illustrate these thoughts are Phyllis Fogle, left, and Betty Clement, right, both of Burbank Branch.

Participation Of Both Supervisor And Employee Needed For Evaluation

A planned program of job evaluation is under way at the Glendale Branch, according to Sid Briggs, Assistant to the President.

"The program has been undertaken in order to make certain that our pay structures in various classifications are equitable," says Briggs. "Currently, all non-supervisory, non-professional, positions are scheduled for evaluation.

"However, the evaluation—which will be performed by a committee appointed by President Imm—cannot be completed until adequate job descriptions have been compiled by the Wage and Salary Administration in Personnel.

"TO ARRIVE AT these job descriptions calls for the participation of the supervisor as well as the employee whose position is being evaluated.

"When you are contacted by Wage and Salary analysts, please give this matter your attention. In this manner, the program will be completed as soon as possible," Briggs states.

The committee which will perform the evaluations is comprised of Harlan Buseth, Production Manager; Bill McAboy, Assistant Branch Manager; and Norm Stevens, Controller.

Leto Named Supervisor Of Polaris Project Production Engineering

Al Leto, Senior Production Engineer, has been promoted to Supervisor of Production Engineering on the Polaris project, reports Frank Copple, Supervisor of Shipboard's production engineering.

A Librascope employee since December 5, 1955, Leto has a BSME from UCLA. During World War II he served in the Air Force as a radio operator and a gunner on B-24s in the Mediterranean theatre.

Prior to joining Librascope, Leto was with Lockheed, Telecomputing Corp., Southern California Gas Company and the L. A. Department of Water and Power.

He has been active on the Polaris and ASROC projects since their inception.



Bob Williamson Appointed Director, Military Sales

Bob Williamson, formerly Director, Advanced Projects, Airborne Engineering, has been named Director, Military Sales, according to W. E. Bratton, Executive Vice President.

Williamson succeeds Ralph Barnett, formerly Director, Military Relations, and now a Librascope Vice President.

The Military Relations activity has been retitled "Military Sales;" and Williamson will make his headquarters in Glendale rather than in Washington, D. C.

HIS RESPONSIBILITIES, Bratton said, may be summarized as follows:

"Under the direction of the Executive Vice President, Williamson is responsible for the supervision of Military Sales Offices and the functional direction of all military sales activity in the Librascope Division.

"In most cases the responsibility is of a staff or functional nature involving the promotion of Librascope military development and production through channels that handle the sale of these services to the customer...

"**WILLIAMSON WILL** determine opportunities and requirements for existing products, new products, and for entirely new fields of endeavor.

"He will functionally supervise market analyses, sales organization structure, sales presentations, sales management, and sales personnel development..."

In recounting further organization changes in Military Sales, Bratton reported that Frank Matthews of the Washington office has been named manager of that office.

MAURY JOHNS, Manager of Librascope's Dayton, Ohio, office has been selected by General Precision, Inc., to manage their Dayton office. A replacement for Johns has not yet been selected.

Ed Quilter continues as Manager of the Glendale Military Sales Office, reporting to Williamson. Admiral S. E. Burroughs continues as Special Assistant to President Imm, working closely with both Bob Williamson and Ralph Barnett.

Jack Whistler Joins Military Sales as Staff Representative

Jack C. Whistler, a specialist in anti-submarine warfare weapons, who retired from the Navy with the rank of commander earlier this year, joined Military Relations as a Staff Representative last month. He will represent Shipboard Engineering.

A 1937 graduate of the U.S. Naval Academy, Whistler holds a degree in electrical engineering, and attended the air command and staff school. He is also a Pensacola graduate with 4,000 hours of flight time as a pilot, and has served as an instructor at the academy.

Whistler was commanding officer of Patrol Squadron 32, flying anti-submarine patrol in the Caribbean in World War II, and was air weapons systems officer on the staff of the Commander of Naval Air Forces, Pacific Fleet, during the Korean War.

Whistler was aviation member of the Board of Inspection and Survey, Pacific Coast section, when he retired.



Paul Kane Teaches Watercolor Class

A watercolor painting class is being offered to Librascope employees every Monday night from 7 to 9 p.m. in the conference room, Building 16, by Paul Kane, Publication's Supervisor of Art Services.

"It's an informal class," says Kane, "where we teach beginners, intermediates, and advanced students, how to express themselves in the techniques of watercolor painting.

"We work from still life subjects and do copy work from photographs. In the future we plan to start field trips for landscape painting," he said.



DETERMINATION REWARDED—For more than six years, Assembler Joe Trinidad attended University classes after work hours to earn his engineering degree. Not willing to rest on his laurels, Trinidad is now going on to earn his Master's degree through night courses at USC. He hopes to eventually perform either Systems Analysis or Research tasks.

Enrollments Soar in Librascope's Educational Refund Program

"This year's enrollments in Librascope's Educational Refund Program soared 300% over last year's enrollments," reports Wayne Strong, Training Coordinator.

"In February the Training Division approved 87 grants for educational improvement. Last year, at the same time, it had approved only 31 grants."

THE PROGRAM offers Librascope personnel the opportunity to take courses in fields allied to their work. It refunds the entire tuition fee upon successful completion of the courses.

"About 88% of the courses taken are technical," Strong adds, "but they range from 'shorthand' to 'vec-

tor analysis."

"If enrollments continue to expand at the present rate, then by the end of 1960 we should have about 200 persons enrolled in various courses.

"We can attribute this increase to a desire on the part of our personnel to improve themselves.

"**AFTER ALL**," he says, "Librascope is a growing company with lots of opportunities for getting ahead, and there's always a need to do a job better.

"In the long run," Strong concludes, "both individual and company will benefit by the increased skills and knowledge that can be gained by means of this program."

Precisioneers' Spring Dance To Be Held May 7

The '60 Spring Frolic, Precisioneers' first big dance of the year, will be held Saturday May 7 at the Los Angeles Breakfast Club from 9 p.m. to 1 a.m., announces Jim Manley, chairman of Precisioneer social activities.

All employees and their friends are invited.

Dress is semi-formal, i.e., business suits for men and cocktail dresses for women.

Tickets at \$1.50 a person, are now on sale from your building director, says Manley, and from Eileen Brown, manager of Precisioneers' store. Night shift people should see George Poppa (phone 456).



SALES LEADER—Christy Thompson, attractive young member of the Librascope sponsored Junior Achievement unit, proudly displays tray of Koke-A-Koasters, her company's product. In a recent sales competition, Christy won first place over 27 other entrants, then went on to win second place in a regional Junior Achievement sales contest sponsored by the Los Angeles Sales Executive Club at the Biltmore hotel.

New Phone System Will Double Present Capacity

Librascope's new, expanded telephone system will go into operation on or about April 23, according to Larry Cahill, Supervisor of Plant Communications.

The new system will have a capacity of 1500 lines, as opposed to the system's present 800 line capacity; and it will be able to handle 62 incoming calls and 56 outgoing calls instantaneously.

The new equipment, which includes eight switchboards, has been especially built to meet our needs by the Western Electric Company. It is being installed in Building 17.

"Complete hook-up of the system will actually require three weekends," Cahill says, "but by mid-May, all buildings in the Glendale area will be served by the new installation."

Here are some figures on the amounts and kinds of equipment that went into the system: 62,820 wire-wrapped connections; 26,190 soldered connections; 16,180 relays; 485 switching mechanisms; and 30,360 feet or 5.75 miles of switchboard cable.

The Credit Union has changed the days on which its offices will be open, reports president Val Castle.

Office hours, now on four days a week instead of the usual five, are as follows: Tuesday through Friday; 11:30 a.m. to 12:30 p.m., and 4:00 p.m. to 4:45 p.m.

The altered schedule began April 4 and will continue indefinitely.

Mel Eisenberg New Mechanical Engineer In Special Devices

Mechanical Engineer Mel Eisenberg has joined Special Devices, announced Cliff Moore, Project Manager in charge of the electro-mechanical section.

Eisenberg, as part of Moore's mechanical group, will work on proposals describing the mechanical design of electronic systems.

His job, called electronic packaging, entails the arrangement of an electronic system into a mechanically feasible unit.

Before coming to Librascope, Eisenberg was an electronic packager for navigational and electronic systems at Hughes Aircraft. Previously, he was with the Arma Division of the American Bosch Arma Corporation in Long Island, New York.

A native of New York City, Eisenberg's BSME degree is from Brooklyn Polytechnic Institute.



New Methods Improvement Group Attacks Problems On Wide Front

"The RPC 9000, a transistorized data processing system . . . is so promising that we plan to put it to work in the Glendale plant, to simplify our production control and material control operations. . . ."

Linguists Needed To Translate Foreign Documents

A call for linguists who can perform accurate translations of scientific material was issued today by Jim Whiting, Staff Assistant to W. K. McAboy, Assistant Glendale Branch Manager.

"We frequently have a need for persons who can quickly and accurately translate foreign documents or papers," says Whiting. "And we would like to form a pool of talent that we could draw upon for this purpose."

Anyone who can translate French, German, Japanese, Swedish, Italian or Russian, and who could take on such an assignment, is asked to call Whiting at extension 639.

Arrangements for doing the work may be discussed with Whiting.

This observation by President Imm, expressed in his recent Annual Report to Employees, heralds a new approach to the increasingly complex technology of today's manufacturing.

AS THE COMPANY EXPANDS, its problems become increasingly more complex. And the interdependence of all of its operations—engineering, sales, finance, administration, manufacturing, quality control, purchasing, etc.—becomes more readily apparent each day.

In order to assure that these operations will mesh smoothly and will operate at peak efficiency, a new "task force" has recently been created.

It is a "Methods Improvement Group," a section of the Industrial Engineering department headed by George Clark. (Industrial Engineering is in turn a part of Harlan Buseh's Production Department).

THE GROUP'S TASK is to "meet the challenging problems of an expanding company . . ." and to "prepare for an even more complex future," according to supervisor, Shelby Drucker.

"At present, we are using a two fold approach," Drucker says. "We are 'looking at the trees,'—that is trouble shooting current problems.

"And secondly, we are 'looking at the forest,'—attacking the overall problems through new techniques, new approaches."

In the "trouble shooting" realm, Drucker's group has recently attacked and resolved problems in such areas as: solder dip and flux removal; etched circuit repair; performing components; breaking of Nylock screws, etc.

NEW TECHNIQUES have been evolved to solve problems in such areas as: sonic cleaning of circuit boards; standardization of soldering irons; economical lot sizes; production and purchasing paperwork flow charts.

"Several projects are underway within the Methods Improvement Group," Drucker says. Among them is the Librascope Operational Control System project, the task referred to by President Imm in his Annual Report.

"Other projects are developing which will attack problems in etched circuit operations; wire preparation and handling; sonic soldering, milling and burring; chemical milling and burring; and tape control for job shop operations," Drucker adds.

THE VARIOUS MEMBERS of the Methods Improvement Group are all industrial engineers, though Drucker suggests they might also be viewed as "business engineers."

"Each member of the team is experienced in the application of modern industrial engineering techniques to business.

"Their experience is extensive, including both managerial and technical backgrounds. And each is aware of the challenge that faces us. . . ."

"The challenge of solving the problems of a complex technology for both today and for the future."



WORKMANSHIP MANUALS—Jim Kay, Supervisor, Standards, displays several of the sixteen volumes of standards that have been compiled by his department, volumes that help to (1) cut costs; (2) elevate quality; (3) cut total number of parts; and (4) increase interchangeability of parts. In addition to creating Librascope standards, Kay and his group have recently completed 28 standards that are acceptable to all companies within the General Precision corporation.

William K. S. Leong New Mathematician On Sagem Project

William K. S. Leong, Mathematician, is a new addition to Airborne's Sagem Project, according to Project Manager, Chuck Saunders.

Leong will be investigating the significance of the round-off error in the Sagem computer, a missile guidance control device.

Coming to us from Systems Labs Division of Electronic Specialty Company, he also worked at RCA's West Coast Missile and Radar Division as Design and Development Engineer.

Leong holds AB and MA degrees from UC Berkeley, having specialized in Applied Mathematics.



William O'Mara Named General Foreman Of Plating And Processing

William A. O'Mara, an expert with 12 years of plating and printed circuit work behind him, this month was appointed General Foreman of Plating and Processing by Herb Darby, assistant superintendent in charge of Assembly.

O'Mara succeeds George Magurean, resigned.

O'Mara left a post as foreman of circuit printing for the Systems Division of Consolidated Electrodynamics to take on his new assignment. Previously he was foreman of plating and processing for Western Intaglio and the Charles Eckart companies in Los Angeles.



Holmes to Supervise Industrial Engineering Magnetics Section

Creation of a brand-new magnetics section in the Industrial Engineering department of Production, and appointment of a supervisor to head it, was announced last month by George Clark, Manager, Industrial Engineering.

Heading the new section is Willard T. Holmes, who resigned as manufacturing manager of the Electronic Component Division of Telecomputing Corp., to take the post. He is a former director of engineering for the Alectra Division of Consolidated Electro-Dynamics, and former vice president for manufacturing at Electronic Industries, Inc.

Holmes, one of the best-known figures in magnetics design and manufacture on the West Coast, was the designer of many of the magnetic devices used in the Falcon and Terrier missiles.

At Librascope, he will act as consultant to all engineering groups on magnetic component problems. He will also provide technical liaison between manufacturing, methods, quality control, and purchasing groups.

He is a graduate of Los Angeles City College, took graduate work at the University of California and is a member of the Institute of Radio Engineers.

A need for qualified, experienced final mechanical assemblers exists in the Assembly Department. Personnel Manager C. P. McKeague urges all Librascope employees to recruit among their friends to fill the gap. People who are qualified in complex gear-train work are especially needed, McKeague said.



LIBRAVETS—Shown above are the Librascope employees who recently became five year Libravets. From left to right, beginning at top row, they are: Sid Briggs; Admiral S. E. Burroughs, Jr.; Arthur Crier; Robert Duff; Edward Gasior; Mary Godfrey; John Jerina, Jr.; Margaret LaHaie; Thelma Mays; Chuck Milner; William Newman; David Ogilvie; Ed Regan; Walter Wuest; and Ken Slee.

The Librazette

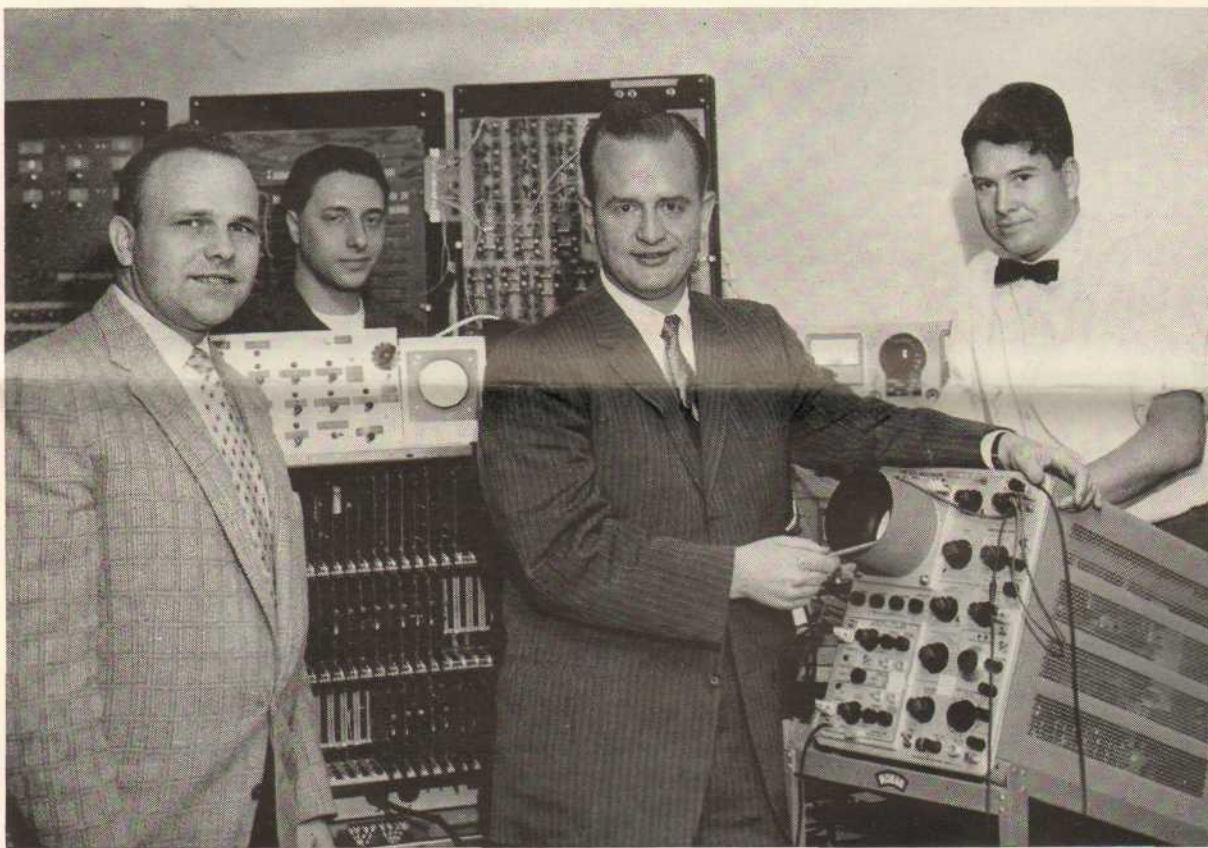
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Art Editor Keith Kinnaird
Assistant Art Editor Paul Kane
Photographers Earl Crawford
Fred Beindorf, Jim Avera
Photo Layout Andy Cook
Jim Norwood



At left, Don Parker and Nathan Nininger, check test routines on FAA Data Processor at Special Devices.

At right, Carroll Bryant, Howard Hill, and Robert Wright discuss test equipment problem.

Below, Walter Johnson, Norman Marshall, Bill Reinholtz, and Jim Lowry stand before the prototype RPC-4000.



The Librascope Engine

The Librascope engineering environment is "ingenuity"—and justifiably so.

This company has achieved preeminence in its field over its competitors in many areas.

Yet to speak of the company's preeminence is to speak of the men who have made these achievements possible.

It is to speak, in large measure, of the Librascope men who create the devices and systems that we use today.

These pages show only a cross-section of the work that has been here for a year or less; some for five or more.

And here, in a composite of their replies to questions, view their environment:

"Management here is receptive to new ideas... to allow you the freedom to explore new ideas."

"Librascope is a dynamic company... it encourages him to devise new techniques, new systems, new ideas."

"There is plenty of opportunity here to grow and develop... an excellent chance to grow and develop...."

"The variety of projects to which you may be assigned is a static organization; it doesn't duplicate work... new ways to do a thing better...."

"There is always a readiness to try the untried..."

"There is a creative atmosphere... and the management respects the technical and professional... and is quick to give him responsibility...."

These attitudes and beliefs on the part of the Librascope men; the "climate for ingenuity"; and they are the company has attained and will continue to attain.



At left, Howard Stahle and A. J. Pankratz examine computer console, and discuss design features and capabilities of the system.

At right, Jim Moorhead, Special Devices, and Jim Smagala, Airborne, get together to discuss application of theory in optical physics to particular problem.





At left, Dick Potter does quick calculation to solve problem relating to Polaris Fire Control System.

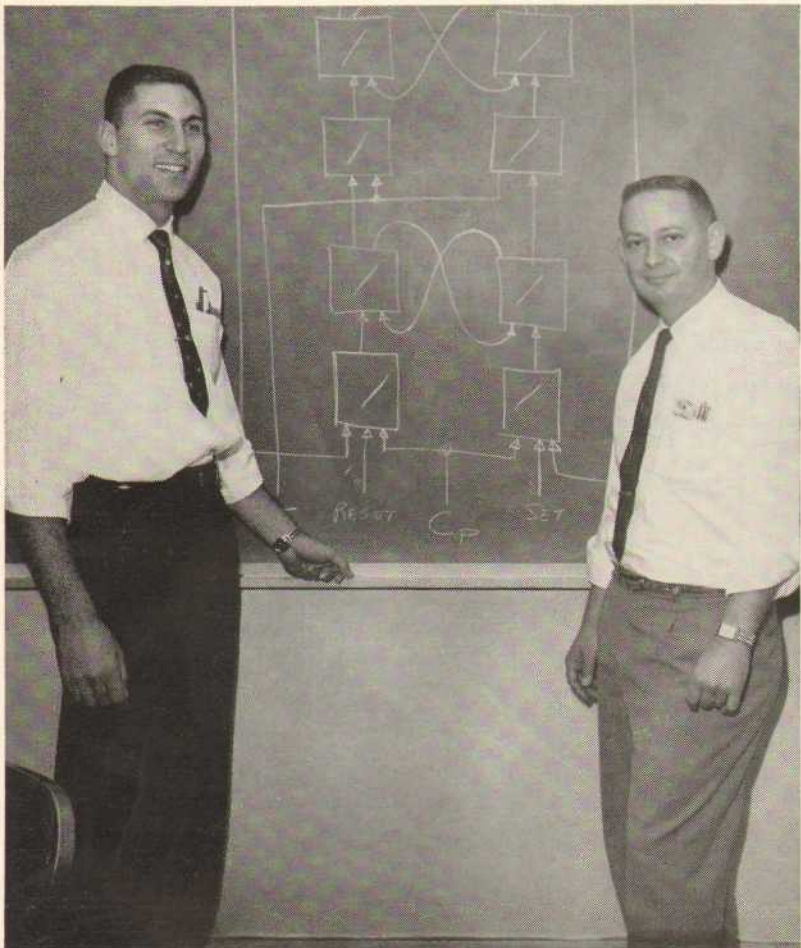
At right, Tom Newberry and Gary Petrov examine drawing for new Airborne device.

Below, Morris Birnbaum, Roy Ridenour, and Phil Salomon discuss applications of Special Devices' new contour plotter.



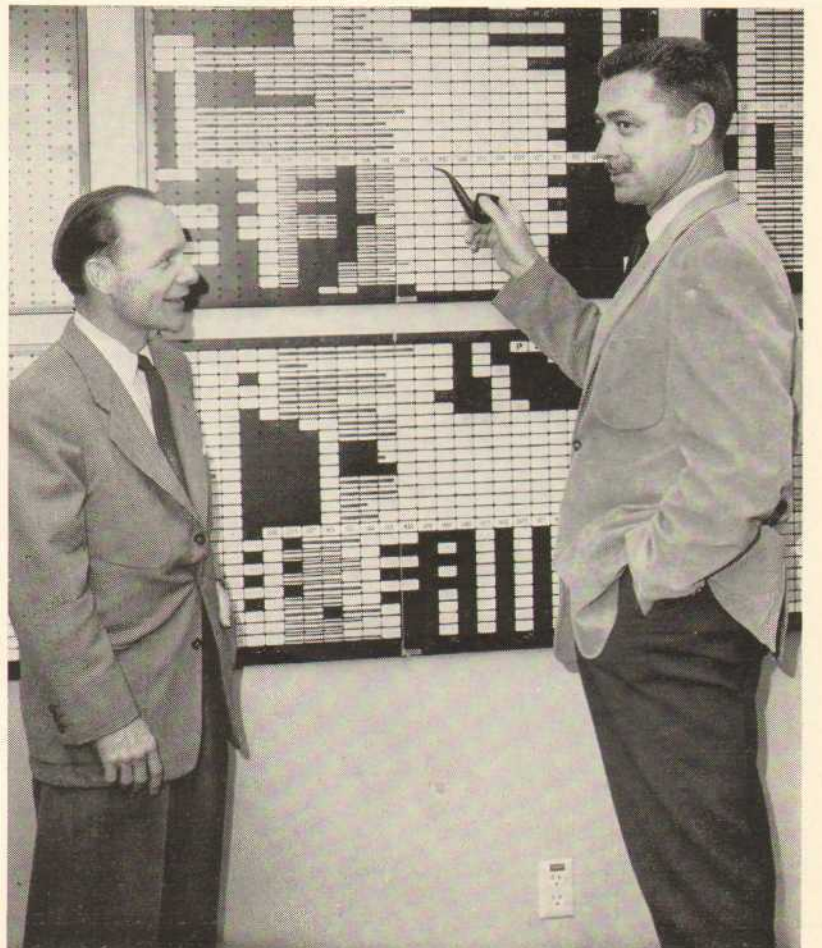
er... A Cross Section

has been described as "a climate for inge-
a host of fields; and it is widening its lead
is to speak of the men who form the com-
plications possible.
Librascope Engineer—the man who envisions
produce.
our current engineering force. Some have
six years, or more; others for two decades
to LIBRAZETTE questions, is how they
... and it is quick to confer responsibility
as....
lets the engineer be adventurous ... lets
methods....
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be assigned is stimulating ... this is not
at has been done before; instead it finds
ed....
are many diversified activities....
professional person ... allows him freedom
the Librascope Engineer are what define
largely responsible for the successes the
ain.



At left, Paul Waller and Dick Gould diagram flip-flop which will be used in Subroc system, production of which is moving into high gear.

At right, Skip Case and Bo's Whitcomb examine engineering production schedule and discuss state of progress of various projects.



Here's Librascope's Legal Department And Its



POINT OF LAW—Assistant General Counsel Harold Hansen, left, and Staff Assistant Harry Plunkett, right, discuss recent court decision bearing upon patent practice. Hansen, a member of the State Bar of California, assists General Counsel Ted Lassagne in all matters relating to the department. Staff Assistant Plunkett is a law school student and soon will take his State Bar examination.

"We are a nation, not of men, but of laws."

This oft quoted expression reasserts the notion that the laws of our land provide us with a group of norms, a body of rules, a series of judgments, which enable us to objectively separate that which is right, just and proper, from that which is wrong.

Such codified determination of what is a right action and what is a wrong action permeates every segment of our society, including the industrial community, and the complex, modern corporations which comprise that community.

The community-at-large accepts the paramount supremacy of the law as the guide to men's actions; and the exercise of that law is fairly familiar to all persons.

Less familiar, and much less understood, is the role of the general counsel within the modern corporation.

Essentially, the corporate counsel is responsible for the legal implications of every considered action of his company.

For this reason, Librascope's General Counsel, serves directly under President Imm, advises him, and all other Division officers.

"The Legal Department's principal responsibility in this area," says Lassagne, "is to exercise what we call 'preventive law.'"

"This means that we must recommend and supervise company policies in such a manner as to prevent



GENERAL COUNSEL—Ted Lassagne is General Counsel for Librascope Division, General Precision, and head of the company's Legal Department which includes a Patent Section. Lassagne joined Librascope in 1950. He was admitted to the State Bar of California in 1932, and admitted to practice before the Supreme Court of the United States in 1936. He is Chairman of the Committee on Educational Activities and Publications of the Patent Section, American Bar Association; and he is also Chairman of the Patent Conference of the State Bar of California.

Lassagne Answers Questions Relating To Patent Practices



INVENTOR—Holder of more than 40 patents is Staff Engineer Willard J. Opocensky. One of the original group of employees with whom President Lewis W. Imm founded Librascope in 1937, Opocensky has invented or improved many unique devices, including one on the company's best known precision products, the integrator. The integrator patent, numbered 2,602,338, is dated July 8, 1952.

The following questions most frequently asked by employees about the Employee Patent and Confidential Information agreement are answered here for your information by Ted Lassagne, Librascope's General Counsel.

Q. Am I obliged to assign to the Company every invention of any kind which I may make during my employment by the Company?

A. No. If you invent something unrelated to your employment or unrelated to any other business, work or investigations of the Company or its affiliates, and if you do not use the Company's time, material or facilities in connection with such an invention, it remains your property.

Q. Suppose I think of any invention outside of working hours. Do I have to assign it to the Company?

A. When you think of it, as long as it is after you are hired and before you leave our employment, doesn't matter. If it relates to your employment or to any other business, work or investigations of the Company or its affiliates, or if you use the Company's time, material or facilities in connection with it, the invention is to be assigned to the Company. Otherwise the answer to Question No. 1 above, applies.

Q. Why is an agreement like this one required?

A. To put into written form a definite and fair understanding between you and the Company on this subject and avoid future misunderstandings. Furthermore, the Government requires the Company to grant to it certain rights under patents resulting from Government-financed research and development work. This the Company could not do without an agreement with you.



STAFF ASSISTANT—Ruth Lassagne is Staff Assistant to the General Counsel, and aids in the administrative and procedural aspect of the department's business.

legal controversies from arising. . . ."

And the exercise of 'preventive law' calls for reviewing all government and commercial contracts for the sale of goods or services; protecting the company's trademarks, and supervising the manner in which they are used; and preparing the legal groundwork for every business transaction involving the company.

"One aspect of our activity should be singled out for special mention," Lassagne notes. "It involves receiving so-called 'confidential disclosures,' accounts of inventions or processes that are offered to us by persons outside the company."

"To avoid legal complications, our company policy absolutely prohibits receiving any such disclosures until the person offering it has signed a release prepared by the Legal Department. . . ."

Yet every aspect of 'preventive law' is equally important, and for this reason, says Lassagne:

"The actions of our company frequently involve great sums of money. And these acts may affect the economic well-being of the company and of the persons it employs."



SECRETARY TO THE GENERAL COUNSEL—Lois J. Schroyer is the legal secretary to General Counsel Ted Lassagne. Here she takes a moment's respite from a detailed patent application, a document which requires the utmost attention to detail and accuracy.

Garry E. Pitt Joins Airborne

Garry E. Pitt last month joined Airborne as a member of Project Director Garland White's staff.

He has been assigned to design work on a new airborne digital computer with missile applications.

Pitt came to Librascope from Northrop, where he had been a member of the electronics systems design group since 1954.

His BSEE degree is from the University of California. He's a native of Rexburg, Idaho.



Chappel New Interviewer In Personnel Department

To help handle the burgeoning rate of new hires, Personnel has added a new interviewer to its staff.

He is Dick Chappel, a native of Los Angeles and a 1958 graduate in business administration from the University of Southern California.

Chappel comes to Librascope from Ramo-Wooldrige division of Thompson, Ramo-Wooldrige Corp., where he was a staff employment interviewer for the past year and a half.

He will be working for Paul Kennedy, Employment Supervisor.



Mary Barnes Named Foreman

Mary Barnes has recently been promoted from Leadman to Foreman in the dust free Assembly room of Building 2, reports General Foreman, Trent Albizati.

Experienced in precision assembly, Mary has worked in the dust free room on such types of optical equipment as pilot sights and view finders.

She first came to Librascope 17 years ago. Leaving the company briefly, she returned in 1950 to work first as assembler, and then as lead assembler on the Mark V.



Patent Section: Who They Are, What They Do



HISTORICITY—The practice of seeking and obtaining patents is as old as the Constitution of the United States. Shown examining the constitutional reference are, left to right, Val Castle, Patent Engineer; Keith Beecher, Patent Attorney; and Hayward Marshall, Patent Agent. Article One, Section eight, paragraph of eight of the Constitution provides that "The Congress shall have the power . . . To promote the progress of science and useful arts, by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries; . . ." Upon that foundation, the structure of patents law, custom and usage has been built.

'Manned Space Station' Meeting Scheduled for Ambassador Hotel

Men in orbit, or current progress in manned space stations will be described at the forthcoming national symposium for "Manned Space Stations" to be held April 20-22 at Los Angeles' Ambassador Hotel, according to Ed Quilter, Manager of Military Sales at Librascope's Glendale Branch.

The topics to be discussed include: "Space Station Design Concepts"; "Orbital Rendezvous and Guidance"; "Human Factors"; "Structures"; "Attitude Control, Sensing and Stabilization"; and "Power Supplies."

THE SPACE STATION conference is sponsored by the Institute of the Aeronautical Sciences in cooperation with the National Aeronautics and Space Administration, and the RAND Corporation.

A second conference of interest to engineers is the "Fourth Na-

tional Convention on Military Electronics," scheduled for June 27-29 at the Sheraton Park Hotel in Washington, D. C.

This conference is calling for professional papers on such topics as: "Communication and Reconnaissance Systems"; "Guidance and Control"; "Satellite Electronics"; "Simulation"; "Instrumentation"; "Data Handling"; "Reliability"; "Space Technology"; "Operational Analysis"; "Ranging and Tracking"; and "Components and Circuitry."

THE SPONSORS, the Institute of Radio Engineers, Professional Group on Military Electronics, offer a \$25 award for the best presentation.

For further information on these and other forthcoming conferences, see Ed Quilter.

The Patent Section of the Legal Department, "exists to protect the fruit of Librascope's engineering achievements," declares George Seevers, Patent Attorney heading the Patent Section.

The people pictured on this page make up that Section. They are the "watchdogs of the company's patents and their general functions are twofold:

"To be sure that we patent our items for our exclusive use, and in the case of commercial products, to be sure that we do not infringe upon the patents of others."

Exactly how does Librascope go about protecting its ideas?

"To begin with," answers Seevers, "every Librascope employee must sign a patent assignment agreement when he is hired.

"This agreement provides generally that any invention made by the employee relating to the company's work belongs to Librascope.

"Then, when an employee describes a novel idea to his supervisor, or if the supervisor becomes aware of a new and unique approach to a problem, the following happens:

"1. The supervisor describes the idea briefly to the Patent Section, using rough sketches.

"2. The Patent Section decides if the idea is patentable; if it is original enough to merit a patent.

"3. The inventor then fills out the preliminary disclosure form. He describes the invention, tells how it is different from anything that might resemble it, and explains the invention's applications in commercial and military uses.

"4. Whenever a commercial product is to be put on the market the Section must check to see that it does not infringe on anyone else's patent right."

A patent right, as authorized in the first article of the Constitution, gives the company "the right to exclude others from making, using, or selling" whatever the patent covers.

The patent right, therefore, is a price advantage for us. It is a legal means of eliminating competition, a legal monopoly.

"Patents are a real crutch. We spend more each year taking out patents than we get back in actual royalties, but we manage to protect ourselves . . . and this is one reason why we are still in business, still growing," Seevers asserts.

"It is as important for us not to infringe on the patents of others," he says, "as it is for us to protect ourselves with patents.

"Imagine the consequences of a case of patent infringement on our part. The court would prevent us from making and selling a commercial item, after we had tooled for the product and were ready to put it on the market. Our production costs would be wasted!"

The Patent section further safeguards company secrets by requiring each employee to agree to keep confidential and not disclose manufacturing and technical secrets which are inherent in the company's business.

Recently Librascope has introduced a system for the reward of inventions. Retroactive to January 1, 1959, each inventor receives \$25 for each of his inventions on which the company files an application in the United States Patent Office. The inventor gets another \$50 when the patent is finally issued.

"Patents are important to you," advises Seevers. "They can insure that your job will continue."



SECTION HEAD—Patent Attorney George Seevers has charge of the Legal Department's Patent Section and directs the activities of the persons shown on this page. A patent right, says Seevers, is "the right to exclude others from making, using or selling" what ever the patent covers. "We spend more each year taking out patents than we get back in actual royalties," he adds, "but we manage to protect ourselves . . . and this is one reason why we are still in business, still growing." Librascope has recently adopted a system of cash awards, retroactive to January 1, 1959, for each inventor's device on which the company files an application in the United States Patent Office.



SECTION SECRETARY—Secretary to Patents Attorney George Seevers, who heads the Patents Section, is Ilene Morton. Expediting the flow of data into and out of the Patents is part of Ilene's responsibility.



CLAIMS AND SPECIFICATIONS—Concerned with the accurate recording and typing of such information is Elena D. Root, Secretary to Patent Engineer Val Castle.



THE GRAPHIC ART OF ILLUSTRATION—The most detailed and explicit drawings of an invention are needed to accompany a patent application, and preparing such drawings is the task of Ralph Mershon, left, Patent Engineering Associate, and Victor Sepulveda, Patent Draftsman.



PATENT APPLICATION—Preparing a patent application which will soon be on its way to Washington, D. C., is Rosemary Reuter, Secretary to Patents Attorney Keith Beecher.



RIGHTS, ASSIGNMENTS, ROYALTIES—The terms that the secretary in the patents Section becomes familiar with are legion. Above is Gladys Garvin, Secretary to Patent Agent Hayward Marshall.



Kilroy's Klick, Pin Busters Battle For Lead

by Fred Killips

The Kilroy's Klick and Pin Busters fivesome, who have been alternating in leading the 18-team mixed bowling league, were still battling for the top spot at the end of the 26th week of play. The Kilroy quintet was out in front with a 3-game lead and a 262-pin edge over the Pin Busters, but almost anything can still happen. After all, the Pin Busters were in the top spot only two weeks before, by a mere 128 pins!

As the teams headed down the stretch, this was the over-all picture after 26 alley sessions:

	Won	Lost
1 Kilroy's Klicks	65	39
2 Pin Busters	62	42
3 4 Guys & A Doll	60½	43½
4 Dashes & A Dot	59	45
5 Hapa Haaes	57	47
6 Exodus	55	49
7 Lucky Strikes	54½	49½
8 Happy Five	54½	49½
9 Four Hits & No Miss	54	50
10 Sweepers	52	52
11 Carl's Cadets	50	54
12 Jennie's Brood	49	55
13 Embalmers	48	56
14 The Rejects	47½	56½
15 Woodpeckers	46	58
16 The Bandits	41	63
17 Odd Balls	41	63
18 Sleepers	40	64

Snollygossers Hold Slim Lead

by Howie Bennett

Setty's Snollygossers, who have been out in front in Swing League bowling competition from the start of the season, had two games whittled off their lead at the end of the 26th week of play, leaving the quartet with a mere eight-game edge. But unless the second place Rico's Bloopers catch fire, it would seem that Setty's group has a fair chance of retaining first place right down to the wire on May 28.

The standings:

	Won	Lost
1 Setty's Snollygossers	71½	32½
2 Rico's Bloopers	63½	40½
3 Snafus	56	48
4 Spotters	53½	50½
5 Gutter Rats	50	54
6 Holey Rollers	48	56
7 Moo Fooz	47½	56½
8 Pick Ups	47	57
9 Musketeers	45½	58½
10 Mazel Kins	37½	66½

Librascope's Blood Bank has set May 26 as the date for contributions, announced Precisioneer president Jim Studdard. As in the past, the bank will be located in the Griffith Manor Park fieldhouse, east of Building 1 on Flower Street. The Blood Bank drive is sponsored by the Precisioneers.

Golf Club Opens Tournament Season, Calls For Members

Teeing-off time will soon be here for Librascope's Golf Club, as they make plans for the annual tournament season lasting from May 2 to August 20, according to club president, Otto Gelormini.

"We plan to have some 150 players this year, divided into similar handicapped groups of 16," Gelormini reports.

"Each group consists of two squads, eight players in a squad. Each squad player will play the seven others in his contingent, one by one.

"This will take seven play periods and on the eighth play period the squad winner will play against the winner of his complementary squad," he says.

PRIZES TO BE awarded at the close-of-the-season banquet, held in the Hesperia Country Club, will be based on "scores, play improvement and golfmanship and ethics on the fairway," Gelormini says.

Club officers for this year are: Otto Gelormini, president; Jim Locklin, vice president; Virginia Martin, secretary.

Pete Mobley, treasurer; Jim Dragan, chairman of the membership committee; Bob Lawlor, chairman of the tournament and rules committee; Howard Miller, chairman of the bulletin board and scores committee.

Maggie Chafin, representative of the women's division; Hal Shartle, past president and advisor; and Charlie Guran, past president and advisor.

"MEMBERSHIP applications should be made as soon as possible, and all handicaps should be registered with Joe Mesch, chairman of the handicap committee, no later than April 22," Gelormini says.



FIRE!—Librascope's newly organized volunteer fire department recently watched fire fighting demonstration by unit of Ansul Chemical Corp. Shown above are the volunteer firemen; below are Joe Fido, Brigade Chief, and Don Knox, Security Officer who hands Fido his chief's badge. At lower right, General Foreman Trent Albizati fights blaze with CO-2 extinguisher.

Know Your Braking Distance; It Is Longer Than You Think

It's smart to observe the 10 mile an hour speed limit in the parking lot for several reasons.

If you're doing 30 miles an hour and someone steps in front of your car, say 10 feet away, you cannot stop in time to avoid him.

AT 30 MILES AN HOUR, your total braking distance is 78 feet.

Total braking distance means the distance you travel from the moment you first see the pedestrian to the moment your braking action has stopped the car.

It takes time for you to react and put on the brakes, and it takes the brakes time to stop the car. In those few seconds, at 30 m.p.h., your car has travelled 78 feet.

AT TEN MILES AN HOUR, you can stop in 16 feet. Thus, though you have decreased your speed three times, you have decreased your total braking distance almost five times.

Conversely, tripling your speed from 10 to 30 miles an hour, raises the braking distance 5 times.

Remember too that your car weighs about 3000 pounds, and the pedestrian only weighs 150. You can do far more damage to him than he can to you.

Thirty miles an hour may be too slow on the freeway; but it's too fast on the parking lot at Librascope!



IN PLAIN SIGHT—Security regulations of the Defense Department require that employee badges be worn in plain sight at all times during business hours, according to Don Knox, Security Officer. "Please do not," asks Don, "wear the badge under your coat like a concealed weapon; or sideways on your shirt front like a tie clasp; or at your wrist like a charm bracelet. Wear it in your shirt pocket or in the breast pocket of your suit. Women, whenever clothing permits, should wear it at shoulder height or just below." Showing how the badge should be worn are, from left to right above, Mary Johnson, Group Leader, Publications; W. Paul Matzen, Employment Interviewer; Angelo Pizzo, Technical Illustrator, Publications; and Bonnie Lapham, General Clerk, Office Services.

Librascope Division
General Precision, Inc.
808 Western Avenue
Glendale 1, Calif.

First Class Mail