

GPI GUEST—Bill Singleton (l), Assistant Production Manager, and Rear Admiral (Ret) George Mundorf, Assistant to the President, GPI, discuss long-range operational techniques as they would apply to Librascope. Mundorf, a specialist in the application of line-and-balance project control and reporting, is presently working with the FAA on a special contract from GPE.

## Librascope System Plays Big Role in Polaris Launchings

A Librascope-designed and built fire control mechanism—the Mark 80 fire control system—played a vital role in the recent successful underwater launchings of the Navy's Polaris missile.

Two firings from the nuclear submarine George Washington at sea off Cape Canaveral, sent the 28-foot birds hurtling 1,100 miles down the Atlantic missile course. Both firings were a "complete success," the Navy announced.

POLARIS has been called the most potent weapon in the nation's arsenal of striking power. It is estimated that 90 per cent of all Soviet Russian military targets can be reached from Polaris' submarine launching platforms.

The firings were the first from a submarine, although test shots had been made from land positions and from surface vessels. Firings from fixed, submerged positions also had been made. In all firings Librascope equipment played major roles.

THE MARK 80 system is composed mainly of analog input gear, which feeds information on ship's motion, missile status, ship's speed, position and related information into the missile's computer. It consists of 12 separate units, plus no less than 26 "black boxes" which perform roles in support of the basic units.

Librascope was one of 250 contractors taking part in the Polaris project, in which Lockheed, General Electric and Westinghouse were among the prime contractors. Librascope's contribution was the largest in the fire control system and was made as subcontractor to General Electric.

### Leadership Laboratory

The University of California's third annual Leadership Laboratory in Human Relations and Supervisory Skills was held June 15-18, at the university's Santa Barbara campus. Three Librascopers—Industrial Engineering manager George Clark; Area Supervisor John Sexton and Power Engineer Lloyd Loos of Bldg-Eng—attended the sessions.

## Librascope Awarded New Contracts Amounting to \$25 Million Plus

New contracts totalling almost \$20,000,000 for manufacture of fire control systems for various Navy projects, were announced this month by Bob Williamson, Director of Military Sales, and Cliff Godwin, Director of Contracts.

In addition, Librascope has been awarded another Navy contract for \$4,000,000, covering engineering design and development and prototype manufacture.

Various other smaller contracts and extensions of existing contracts bring the total of recent awards to almost \$26,000,000.



Vol. 8, No. 2

July-August, 1960

### HAWAII TOUR

Any more Precisioners interested in the two-week junket to Hawaii? If so, then you better sign up soon. Time for making a reservation is running short.

Schedule for the Alohaland vacation is Sept. 15-29. And when you aren't exploring such exotic places at the Wailua River—Hanalei—Haena, you'll be enjoying the luxuries of the Edgewater Hotel, overlooking the beach at Waikiki.

For further Hawaiian Tour information, contact Eileen Brown, Precisioner Store, ext. 1251.

## Plans for San Marcos Facility Near Completion

Plans for the construction of Librascope's first building in San Marcos are now in the final stages, Sid Briggs, Assistant to the President, has told LIBRAZETTE.

The building will become headquarters of the Airborne Equipment Engineering Department, when the department moves from Glendale several years hence.

THE PLANS call for an office and manufacturing building approximately 25,000 square feet in size. It will have a modern exterior, and will be air conditioned and dust free inside. An asphalt parking apron capable of accommodating 300 cars will surround the building.

Site of the building will be a parcel of land some 30 acres in area.

The building will be constructed by R. M. Brunson of La Jolla to Librascope's specifications, and will be leased by Librascope on a long-term basis.

CLIFF DAHL, Bldg-Eng Supervisor, told LIBRAZETTE that contractors will be invited to submit bids on the building shortly after selection of the site.

Scheduled for occupancy in June of next year, the building will house portions of the engineering, administrative, research and development activities of the Airborne Department.

THE UNIT, expected to become the nucleus for further expansion at the San Marcos location, will accommodate about 220 people. Most key personnel will be transferred from Glendale, according to Hank Norris, Chief Engineer of Airborne.

(Continued on Page 8)

## GE Introduces "Value Analysis" Concept at Two-Week Seminar

"Value Analysis," the cost-reduction and product-improvement concept created and developed by General Electric, came to Librascope last month in the form of a dynamic two-week seminar.

Thirty Librascopers, members of Shipboard, Industrial Engineering, Materiel, SUBROC and the Burbank Branch, were invited to attend the 52-hour, lecture and workshop course—the first ever given by G.E. to another company.

DIVIDED into ten teams of three men each, those attending the seminar were assigned separate projects—all Librascope-designed parts and assemblies.

Under the guidance of three G.E. Value Analysts, Glen Hart, Alan Taplow and John Williams, the teams then made an after-the-fact examination of their projects, in search of new and more efficient methods of controlling costs, without reducing reliability.

IN EVERY case, whether it was an interlock switch or a servo amplifier, a tangential clamp assembly or a non-contact magnetic converter, the same key thought kept cropping up: What is its function?

By Value Analysis standards, function and value take on one and the same meaning. Under the V.A. concept, the individual thinks in terms of function and acts in terms of function. For General Electric, this type of thinking saves each of their many plants several hundred thousands of dollars a year.

The seminar, coordinated and prepared by Shipboard Production Engineering and the Training Department in conjunction with the G.E. Value Analysts, was accorded a special first-day attraction. Larry

Miles, G.E.'s Manager of Value Service and the founder of Value Analysis, flew out to be on hand for the opening day activities.

OUTLINING the reasons behind value engineering, Miles said: "Industry is reaching, and in some cases has already arrived at, an absolute ceiling in cost. It is time that all of us began thinking in terms of functional cost reduction."

Reducing cost, however, does not mean a cheapening or lessening in quality of a product or assembly, Miles emphasized. "Unfortunately, this is a popular misconception," he said. "Quality does not necessarily deteriorate with a reduction in cost—a point we hope to prove before concluding this seminar."

USING an example of one of the many money-saving findings of Value Analysis, Miles displayed two motor screens to the audience. The original screen was made of expanded metal with 40 spot welds and cost \$6. The V.A. alternate was a perforated metal stamping which cost \$1.20. This yearly saving, alone, amounted to \$23,000—and with equally reliable performance.

A happy accident? Hardly. Fol-

(Continued on Page 8)

## Army Considers ASN-24 for New Space Vehicle

Airborne Engineering's ASN-24 lightweight digital computer, already earmarked for guidance duty aboard the Air Force's Centaur space probe vehicle, has been put into the running for yet another space probe.

MILITARY Sales reported that the Army Ballistic Missile Agency at Huntsville, Ala., has signed a contract with Librascope to build an ASN-24 computer for an upcoming study of a guidance system for a new space probe vehicle. The computer is expected to be used in programming and system test at the George Marshall Space Flight Center at Huntsville.

The contract is the result of several presentations of ASN-24 capabilities made by Airborne and Military Sales.

## Employment at Burbank Branch Reaches 500

Librascope's Burbank Branch reached another milestone last month with the hiring of its 500th employee during the first week of July.

Morrie Kimmel, Burbank Personnel Manager, indicated that the present personnel increase should continue and that by year's end will reach 600.

The growth of the commercial branch becomes all the more impressive, Kimmel said, when viewed over the past 30 months.

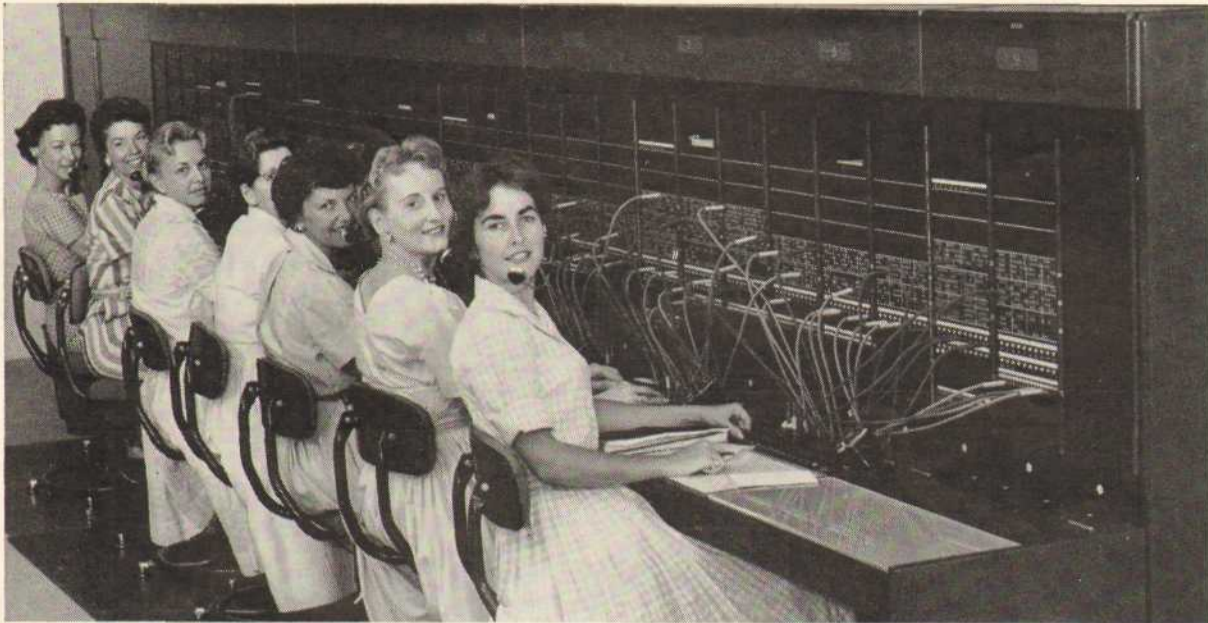
"In shortly over two years we have gone from 100 employees to our present employment figure, now exceeding 500. Every indication for the next five years points to the same kind of increase and development," Kimmel stated.

The Burbank Branch now contains six buildings within its complex. New facilities are presently being investigated to accommodate the estimated future growth.



SEMINAR LEADERS—The men responsible for the success of the recently concluded "Value Analysis" seminar congregate for the camera. They are (l-r): Wayne Strong, Librascope Training Director; Alan B. Taplow, General Electric Value Analyst; John Wil-

liams, G.E. Value Analyst; W. R. Feichtinger, Value Engineering Branch Head, Bureau of Naval Weapons; Glen D. Hart, G.E. Value Education and Training Specialist; and Buzz Newman, Librascope Prod-Eng, seminar workshop coordinator.



LIBRASCOPE'S NEW TELEPHONE SYSTEM features an eight-position switchboard located in an air-conditioned, scientifically-lighted room in Bldg. 17. The

operators, smiling prettily for the camera, are (from left): Kathy Gardner, Georgia Masulli, Mary Porter, Kit Saunders, Audrey Lister, Dianne Kovinic and Bobbi Leach.

## New Telephone System Installed

Librascope's new telephone system—large enough to serve the communication needs of a small city—is now in full-scale operation. The launching date for the system was June 25, when the Shipboard group of buildings on Air Way was tied into the main switchboard.

Planned by Larry Cahill, plant communications supervisor, the new system is the largest ever installed by Pacific Telephone for one company in the Glendale area. It represents an investment of \$166,000 in labor and materials by Pacific Telephone. A total of 71 telephone technicians were involved, at the peak period, in installing the exchange equipment, new lines and new instruments.

THE NEW switchboard is served by 49 incoming lines from the Chapman exchange in Los Angeles and 13 incoming lines from the Citrus exchange in Glendale. There are 56 outgoing lines.

The new equipment eliminates all possibility of encountering a busy signal on an outgoing call, Cahill told LIBRAZETTE. "The system

has been engineered to meet the company's requirements through any foreseeable expansion."

The eight-position switchboard and dial equipment can handle up to 1,500 extensions and can easily be expanded. Approximately 900 lines are now in use.

SOME OF those 900 extensions are restricted to in-plant dialing and others have a 4-message unit limitation. In one case the user cannot dial an outside number, but must place his call through the Librascope operator. In the other case the employee who needs to make a call beyond the 4-unit area, also must place it through the Librascope operator.

A device known as a "toll-director" automatically connects both users with PBX Supervisor Audrey Blythe who, speaking from a recording, tells the caller he is trying to make an unauthorized call—and that he can't dial it himself.

In both instances the Librascope operator requests the employee's name, department and telephone extension number and records this information on a toll ticket.



LARRY CAHILL, Supervisor of Plant Communications, is the man who masterminded the new telephone system.

All told, the new system was 15 months in development, from the time that Cahill, then a telephone company engineer, first sat down to a drawing board.

WITH the changeover of Shipboard and the elimination of its local switchboard, all Glendale buildings except the recently-acquired Bldg. 26 are served by the new switchboard and dial exchange. And Bldg. 26 will be connected some time in November, after new cables are installed by the telephone company to serve that area of the Grand Central Industrial Centre.

The Burbank branch will continue to be connected via its tie-line and Bldg. 15 in Burbank will soon be connected to the main board in Bldg. 17.

CAHILL is now planning a further expansion of the company communications system. A communications room shortly will open in Bldg. 3 and will house the TWX and Western Union teletype operations, and the paging operator. Paging will be expanded to include Bldg. 17 and Bldg. 5, current planning indicates.

Also planned for the new communications room is a message center service where outside calls for employees whose duties take them away from their desks, will be recorded on message forms by clerks. The messages will be delivered by messengers at intervals during the day, or by telephone when the employee "checks in" periodically.

"This will be a sort of telephone answering service for the man who doesn't have a secretary," Cahill explained.

A completely new plant telephone directory is planned for late Fall. The directory will be reduced in size, and through the use of data processing methods, will be completed more quickly and for less money than ever before possible, Cahill said.

## 31 Attend Management Workshop

A total of 31 company management and administrative officials are attending Librascope's second management workshop program of the year.

The program, designed to acquaint company leaders with the latest developments and trends in managerial techniques, is being conducted by Librascope and California Institute of Technology staff members.

The workshop, which meets every Tuesday from 4:30 to 6:30 p.m. in Bldg. 16, was launched June 28 and will run until September 13.

TAILORED FOR BUSY executives whose day-to-day duties often prevent extensive reading and research in fields outside their own areas, the 12-week program covers a wide range of subjects related to management policies and practices.

Among the subjects: "Profit Building," "Supervisors' Functions," "Decision Making," "Delegation of Authority," and "Communications."

Librascope staff members conducting the program are Wayne Strong, Director of Training, and Lloyd Considine, Training Coordinator. From Caltech are Robert D. Gray, Professor of Economics and Industrial Relations, and Chief of the Institute's Industrial Relations Department; and, assisting Gray, Arthur Leasenby, Cal-Tech management consultant.

THOSE ENROLLED are: Walt Picker, Manager, Reliability Section; Jim Whiting, Assistant to Division Manager; Ray Rockwell, Manager, Service Operations; Phil Hiner, Manager, Publications.

Special Devices: Bob Clark, Assistant to Chief Engineer; Mary Ettinghoff, Project Director; Lane Wolman, Project Director; Fred Merkel, Project Director.

Airborne: Paul Bender, Assistant to Chief Engineer; Garland White, Project Director; Chuck Foodim, Project Director; Bob Bible, Project Director.

Shipboard: Bill Cloninger, Project Director; Howard Applegate, Advanced Projects Director; Jack Pelamati, Director, Eng-Services; M. R. Prevatte, Director of Applications Engineering; Charlie Buterbaugh, Acting Director, Systems Engineering. SUBROC: Dwight Roof, Project Director; Jerry Deitz, Digital Engineering Director. Purchasing: C. M. Brown, Purchasing Agent, Ed Ellenhorn, Supervisor, Materiel Control.

Joe Foohey, Manager, Production Control; Ivan Franklin, Supervisor, Industrial Engineering; Bob Williamson, Director, Military Sales; Don Derrington, Administrative Assistant to Manager, Quality Control.

Burbank Branch: Bill Reinholtz, Assistant Chief Engineer; Jim Cawthorn, Jr., Production Department Supervisor; Joe Ator, Manager, Industrial Systems. Production: Oren Shoemaker, Assistant to Production Manager; Charlie Cole, Assistant Superintendent, Prototype Shop; Lloyd Somerfield, General Foreman, Machine Shop; Herb Darby, Assistant Factory Superintendent, Assembly.

### INSTRUCTORS NEEDED

Several industrial electronics instructors will be needed this fall to teach local extended day-school courses for industrial electronics technicians.

The prospective instructor must have a BSEE degree or better, with at least two years of experience in the computer field. Any previous teaching background would be preferred.

For further information, contact the Training Department, extension 1231.

### UNRESTRICTED

Effective July 11, Building 3 became unrestricted. This means that no visitor's passes or escorts will be needed in that building.

However, upon leaving the building by the rear exit all visitors will have to sign the register at the rear guard station and must be escorted. Employees must wear badges.

The front doors are now open at 7:30 A.M. with a guard stationed in the lobby until the receptionist arrives. The guard is then stationed at the rear exit during working hours.

## Terry Ryan Joins Librazette Staff

Terry Ryan has been added to the staff of LIBRAZETTE, taking on the assignment of assistant to Editor Bill Keith.

Before coming to Librascope, Ryan worked with Mobil Oil Co., where he initiated and edited their refinery publication, "Torrance Topics."

A graduate of UCLA (B.A. English, M.S. Journalism), Ryan spent 18 months with automotive publications at Petersen Publishing Company. He also worked two years with Magoffin Advertising Typographers in layout before entering the industrial editing field.

A native of Sioux City, Iowa, and an Air Force veteran of the Korean conflict, Ryan lives in Los Angeles with his wife, Elaine, and their two children, Kerry and Tommy.

## Sanson Named to Ad Staff

Announcement of the appointment of David L. Sanson as Assistant Advertising Manager was made this month by Mike Cannon, Advertising Manager.

A recent graduate from Cal Berkeley in Business Administration, Sanson spent last summer with Librascope in an extensive investigation into the correlation of advertising and sales, providing a base for future advertising decisions. The result of his findings was a 200-page report, entitled "Does Advertising Really Pay?"

While attending school in the Bay area, Sanson served as Advertising Manager for Don and Eur-Cal travel agencies.

## MacDermut Joins Military Sales

George MacDermut, an Air Force jet pilot veteran of the Korean campaign, has been appointed District Engineering Representative in Military Sales' Dayton office.

MacDermut will assist Dewey Nichols, Dayton Manager, in maintaining liaison with Wright-Patterson Air Force Base and other military and industrial establishments in the Dayton area.

Before joining Librascope, MacDermut served nine years in the Air Force, attaining the rank of captain. After Korea he rounded out his service career in systems management work at Wright Air Development Center.

He holds an M.E. degree from Stevens Institute of Technology, Hoboken, N. J., and previously was employed as a sales engineer in New York and Cleveland.



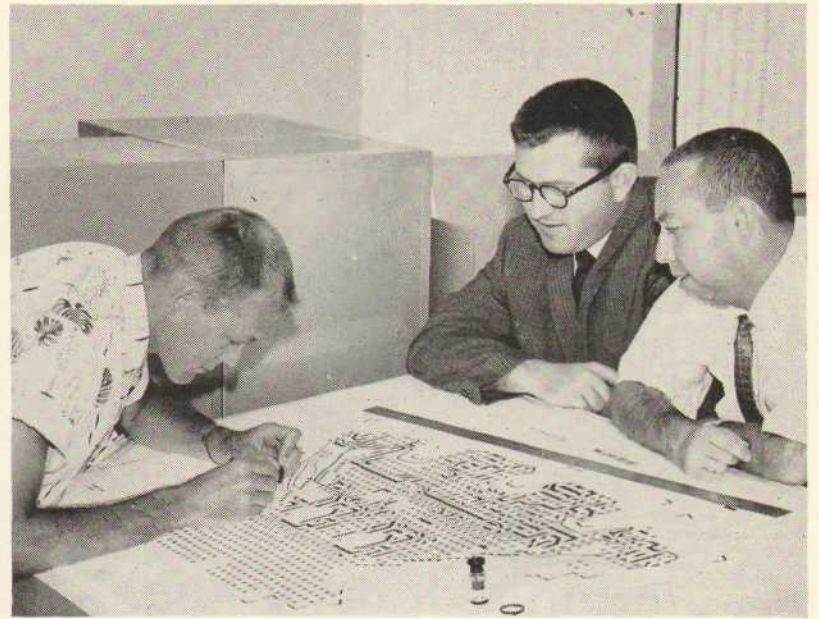
SOMETHING NEW in Librascope's modern telephone system is a "toll-diverter." When a number is dialed beyond the authorized Los Angeles toll area, the "toll-diverter" automatically cuts in a recording of PBX Supervisor Audrey Blythe, indicating an unauthorized call is being made. Audrey is shown here with the recorder. The complex diverter equipment is pictured in the inset.

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



**READY REFERENCE** — to Librascope's standards are provided by the many manuals and catalogs prepared by Engineering Standards. The manual on standard engineering practices, displayed by Maxine

Levinson, standards clerk, is but one of seven types of publications available for designers and manufacturing personnel. Two more standards publications are in development.



**THE STANDARD WAY** — of taping a circuitry pattern on a master layout is performed by Bill Frye (l), design draftsman, as Dennis Wilson (c), standards analyst, and Dean Frederick, Supervisor of Engineering Support in Airborne, observe. Engineering Standards devised and standardized the system.

# "Standards Are Everybody's Business"

Standards, it goes almost without saying, play a big role in our lives. We set our watches by a prescribed standard of time, buy gas in standard quantities, receive wages in a standard type of currency, and pay income taxes determined on a standardized scale.

It would be difficult to imagine a world without standards, and equally as difficult to conceive of a company like Librascope producing modern electronic and electromechanical products without standards.

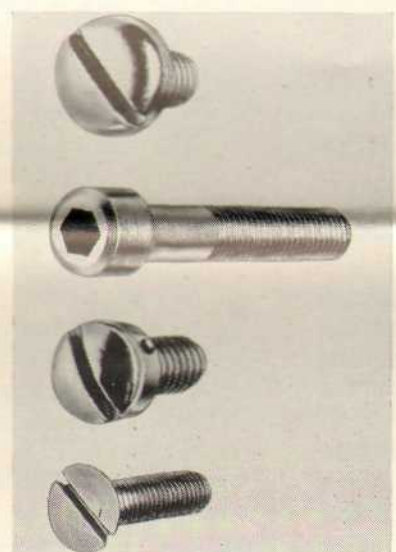
IF LIBRASCOPE did not have standards for gears, for example, a designer would have to start from scratch every time he had to fulfill the requirement for one. But because many gears are standardized, he can select one that meets his needs and incorporate it into his design. Thus, he can avoid the monumental calculations involved in basic gear designs, and can devote more time to the creative part of his work.

In charge of developing company standards—such as those for gears—is the Engineering Standards Section of Engineering Services. Headed by Jim Kay, Supervisor, the section is dedicated to the elevation of quality and the reduction of costs through standardization.

**HERE IS WHAT** Kay has to say about standards:

"Standards take care of the thinking of yesterday and today, allowing employees—from the de-

signer to the assembler—time to solve the problems of tomorrow. The Engineering Standards group standardizes the parts, engineering practices, shop practices, processes and materials used over and over again. Standards, in effect, form



**STANDARDIZATION** — of screw styles cut the number in use from 16 to the four shown here.

the ground rules for design and manufacturing."

**THE PRINCIPAL** areas of standardization at Librascope are reflected in the standards manuals and catalogs published by Engineering Standards. The publications are:

1. **Standard Engineering Practice Manual:** details 28 GPE and 14 Librascope engineering practices standards, ranging from bearing applications to welding methods. These standards are known as the "common language."

2. **Drafting Standards Manual:** includes standards to guide draftsmen in the preparation of uniform, understandable drawings.

3. **Preferred Electronic Parts Catalog:** lists standard electronic parts ranging from fuses to transistors.

4. **Hardware Catalog:** includes all standard fasteners, such as screws, nuts and washers, most of which are maintained in stock.

5. **Bulk Materials Catalog:** lists materials normally purchased by pound, foot, yard or other bulk quantities. Included are wire and adhesives.

6. **Standard Fabricated Parts Catalog:** lists fabricated parts such as shafts, spacers and gears, which are used constantly.

7. **Wireman's Workmanship Manual:** outlines wiring techniques for manufacturing and assembly personnel. This manual, which sets workmanship standards, has been requested by many companies in the U.S. and Europe.

**UNDER DEVELOPMENT** are two more standards publications: Standard Purchased Components Catalog, which will include data on standardized purchased mechanical parts such as bearings; and Assembler's Workmanship Manual, which details standard techniques for assembling.

"The standards are under constant revision and review," Kay states, "to keep pace with new developments in our rapidly expanding technology."

An example of the standardization of parts can serve to underscore the benefits of the standards program: If all the different types of screws used at one time or another by the company were stocked, some 60,000 bins would be required. Some 60,000 bins would be required, however, and only 2300 bins are required to stock the needed lengths and sizes. The saving in time, effort, storage and money speaks for itself.

**ALL TOLD**, some 300,000 different parts have been standardized thus far by Kay's section, and the number is growing all the time.

How are standards determined? Kay cites several factors, including

the specifications of the customers, the frequency of use, and projected needs. Standards are developed with cooperative participation of the many areas that are affected by the



**JIM KAY**, Engineering Standards Supervisor, says standards are everyone's business.

program: design and drafting, production engineering, manufacturing, purchasing, tooling, processing, reliability and quality control.

**THE SECTION**, which numbers 24 employees including six standards analysts, is also an active participant in the corporate stand-

ards program. Kay represents Librascope on the GPE Standards Committee, which also includes Kearfott, Link and GPL representatives.

The corporate standardization program, Kay states, is dedicated to the preparation and acceptance of standards that can be utilized by the whole GPE organization.

Many other services are performed by Engineering Standards. Among them: interpretation of contractual documentation requirements, interpretation of government and industry specifications, selection of raw materials and processes, assignment of drawing numbers and titles, and dissemination of information on new standards, products and techniques.

**IN ADDITION**, the section maintains a library of standards manuals from other companies, applies government security classifications to drawings, and aids the military in development of military standards.

Galen Mannan, Director of Engineering Services, says the company's standardization program has proven its worth and will be expanded even further. "The program provides a common language for everyone, reduces costs, and results in products of higher quality and greater reliability," he states.

Standards, adds Kay, are everybody's business.



**STANDARDS CHECK** — on the drawing of a bearing is conducted by Joan Corbin, standards draftsman, and Vern Mayclin, Assistant Supervisor of Engineering Standards. The check will determine if the drawing incorporates the required dimensions.



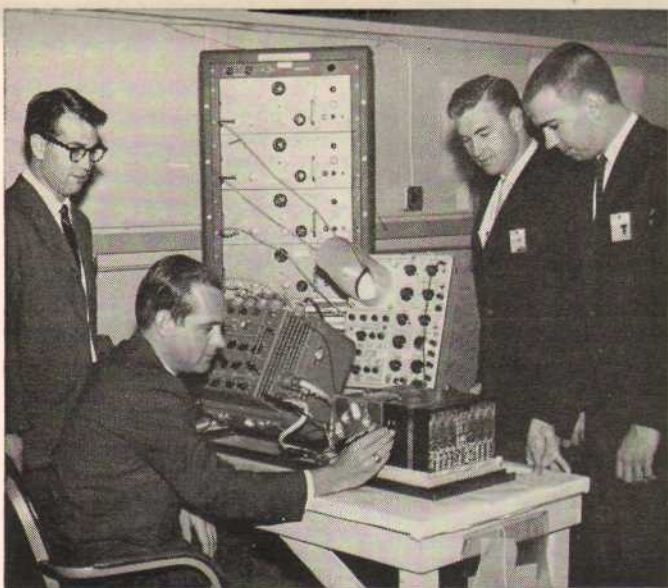
**WIRING TECHNIQUES** — are outlined in the Wireman's Workmanship Manual, developed by Engineering Standards. Leonard Novin (r), standards coordinator, goes over a standard technique with Lynne Adams, wireman, as she works on a SUBROC leveling computer.



**STAFF MEMBERS** — confer about the program for the new engineers. From left: Paul Kennedy, Engineering Employment Supervisor; Wayne Strong, Director of Training; Lloyd Considine, Training Coordinator; and Bill Hamrick, Special Courses Instructor.



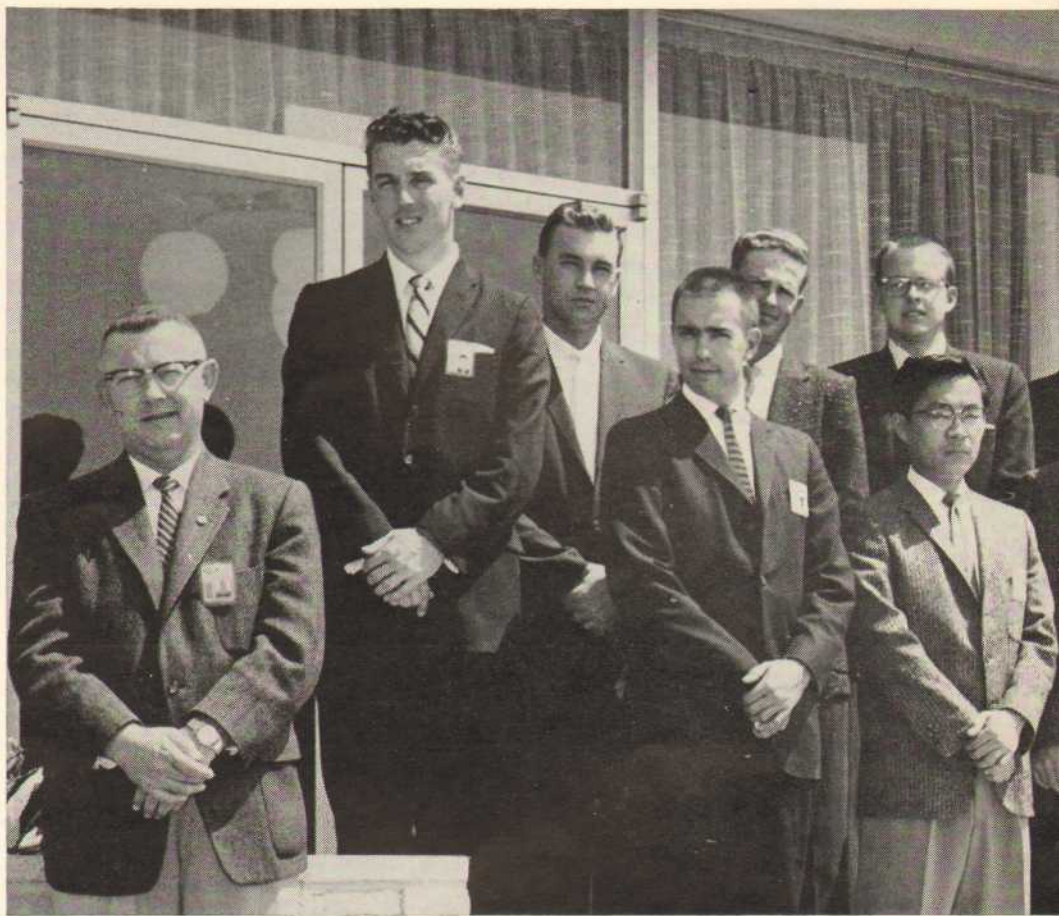
**GROUP TALKS** — with engineers acquainted the associates engineers with the state-of-the-art in several fields. Here, Morris Birnbaum, Senior Engineer in Special Devices, explains pulse circuitry of the FAA computer.



**LATEST MODEL** — of the ASN-24 computer is given a simulated checkout by Phil Ingalls (seated), Air-Eng Project Engineer, for Dick Vinetz (l), Don Whelchel and Scott McKinstry (r).



**CLOSE LOOK** — at an ASROC unit was another highlight of the program. Chuck Flickinger (second from left), Foreman of the ASROC assembly line, explains modules to Mike Cianciola (l), Wilbur Williams and Elbert Johnson (r).



**NEW ASSOCIATE ENGINEERS** — pose with Don Webster (extreme left), Vice President and General Manager of the Glendale Branch, shortly after arriving for their orientation and training program. Also present: Gene Arnold, Don Whelchel, Gene Wolfe, Virgil Lemley, Bob Pr...

# New Engineers Meet

University years fresh behind them, Librascope's 1960 group of associate engineers have arrived to begin one of the biggest transitions in a young man's life—putting the years of academic training to work in industry.

To help bridge the gap between college and industry, they were given a comprehensive, two-week training and orientation program, specially designed for them by the Training Section of Personnel.

The program covered many facets of the company's operations. From the complexity of computers to the rigors of research, the new engineers underwent a thorough introduction to the company in which they are launching their careers.

**IT ALL BEGAN** in the latter part of June. When the new engineers reported, they were processed as all new employees at Librascope are processed, introduced to each other and officially greeted by company officers.

From that point, the itinerary reads like an all-inclusive, comprehensive brochure on Librascope.

An explanation of military sales activities got the program off the ground. After this introduction to Librascope's customers and how we do business with them, the new engineers heard a succession of talks on the many aspects of business operations. The talks, given by top company officials, outlined office procedures, contracts, purchasing, engineering services and reliability.

**THE RANGE** of lectures on company operations also included: writing up the bid package, delegation of jobs after acceptance of contracts, drafting responsibilities, drafting symbols, documentation and report writing. The company's patent policy was covered in detail, pinpointing how each new engineer could profit through this incentive program.

An introduction to the Airborne, Shipboard and Special Devices departments was on the agenda. Each department was toured, and the associate engineers were presented outlines of the work in progress, the role of engineers and the state-of-the-art in each field. Small group talks with engineers in each department enabled the new graduates to probe deeper into

the many fields of endeavor encompassed by these departments.

A **TRIP** to the Burbank Branch introduced Librascope's commercial operations. Explanation of commercial goals and sales applications complemented demonstrations of computers, providing a thorough picture of the company's growing commercial activity.

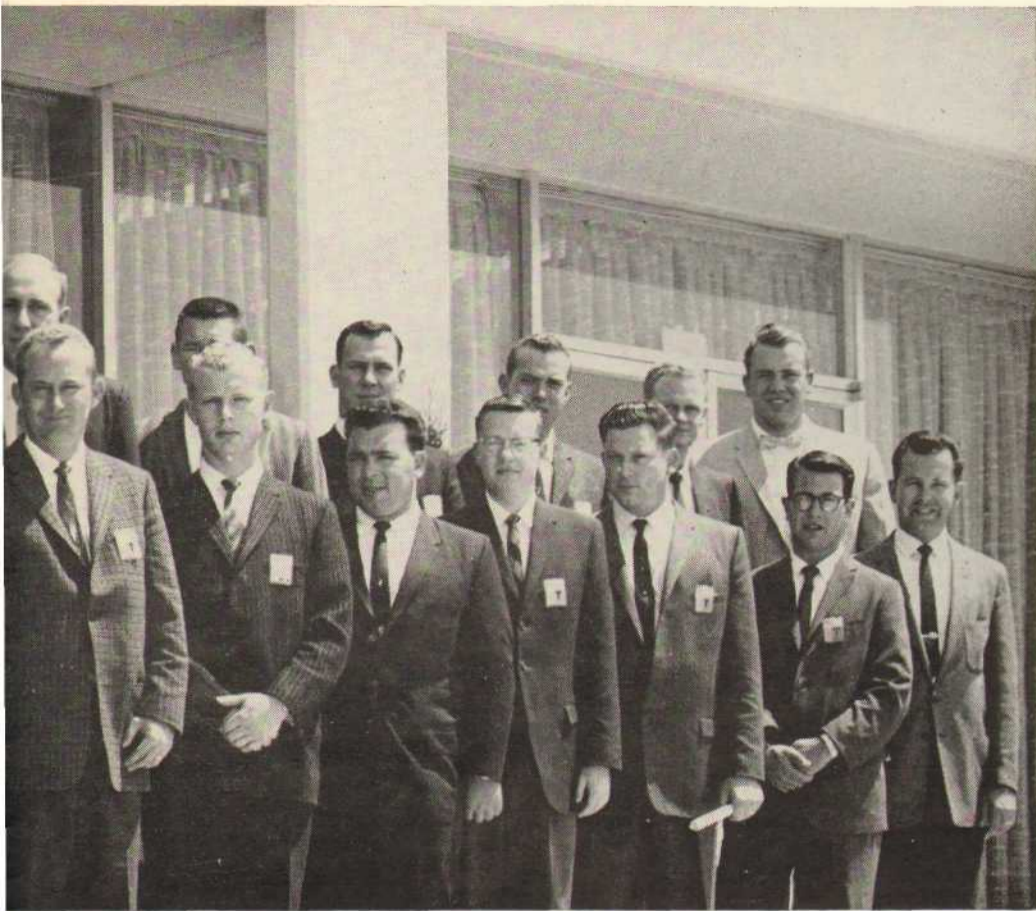
Tours to production and assembly areas were interspersed throughout the program. From ASROC to FAA computer units, the associate engineers got a first-hand acquaintance with the methods used to manufacture and assemble the company's many and varied products.

**TEST EQUIPMENT** design was covered, as was the theory behind the Process Laboratory. And Librascope's emphasis on research was prominently displayed by visits to the Applied and Research laboratories. At each lab, the director explained the role research has played and will continue to play in the company's operations.

The program ended with an oscilloscope training course. Through the extensive checkout, each new engineer was able to familiarize



**LIBRASCOPE'S** — commercial activities were covered in the two-week program. Here, Ken Howard (holding rule), Super-



n. Back row, from left, Bob Wilcox, John Smethurst, Ken Pitt, Richard Mielke, Marvin

Hankins, Lorey McGlinchey. Front row, Scott McKinstry, Jim Takeuchi, Tom Hilton, David Brown, Irwin Maltz, Elbert Johnson, Thurlo Schindler, Dick Vinetz, Anthony Stankus.



OPERATION — of the FAA computer data processor unit is explained to John Smethurst (seated), David Brown and Thurlo Schindler (r) by Wes Stupar (l), Project Manager of the FAA computer.

# Future at Librascope

himself with one of the basic tools of his chosen profession.

AFTER COMPLETION of the program, the new engineers reported to their assigned departments, thoroughly schooled in the nature of their company and possessed with a clearer picture of how they fit into overall spectrum of operations.

Wayne Strong, Director of Training, summarized the two-week program with these words:

"By giving the new engineers a basic familiarity with the company and by bringing them up-to-date in the state-of-the-art in several fields, we feel they were able to bridge the gap between college and industry with a minimum of difficulties. Both the new engineers and the company reap the benefits of this smooth transition."

Coordination for the program was handled by Lloyd Considine, Training Coordinator. Assisting Considine was Bill Hamrick, Special Courses Instructor.

THE NATION'S young engineers are much in the public eye today. A closer look at Librascope's new engineers may afford an insight

into the nature of the upcoming generation of engineers.

A composite picture of the 24 men reveals the following facts:

Average age of the group is 24 years and three months. The oldest is 30, the youngest (three of them) are 21.

Most of the new engineers—18 of the 24—are married, and eight of the married men have children. Over half have had military service, and one was a jet pilot in the Air Force.

NEARLY EVERY one of the new engineers, the records show, held part-time or summer jobs to ease the burdens of college expenses. The jobs ranged from rear chain-man on a survey party to baker's helpers. The list of jobs also includes: stockroom clerk, driller, rig foreman, grocery clerk, electronic technician, engineering aid, junior engineer, data reduction clerk, management trainee, logging engineer and construction man.

Studies and outside work did not deter most of the new Librascopers from engaging in extracurricular activities at school. Among the activities: varsity football, chess, bowling, soccer, weightlifting, student government, club work and sports car racing.

MOST ARE already members of professional groups, with the Institute of Radio Engineers and the American Institute of Electrical Engineers claiming the bulk of memberships.

Though university days are now behind them, they show a great interest in getting more education. Over half revealed plans to attend universities and colleges on a part-time, evening basis.

THEY COME from 13 colleges west of the Mississippi. The majority have B.S. degrees in electrical engineering, but mechanical engineering, mathematics and physics degrees are also represented. And one has a master's in business administration in addition to a B.S. in electrical engineering.

The new engineers were recruited during the past year by Personnel. Airborne is assigned the majority of the graduates—14. Shipboard is assigned three, Industrial Engineering one, and Engineering Services, Quality Control, Shipboard and Special Devices two each.



OSCILLOSCOPE—checkout was another feature of the program. Here, David Brown (l) gets instructions from Fred Butler, oscilloscope instructor.



NOW TO WORK — The program over, Librascope's new associate engineers report for work. Lorey McGlinchey, assigned to Airborne, performs checkout of input-output chassis for Centaur project.



visor of Digital Systems Test at Burbank, explains the performance of the LGP-30 computer to the associate engineers.



FIRST LIBRASCOPER to win membership in the Wise Owl Club is Joe Buteau, second from left, an Industrial Electrician. Sid Briggs, second from right, presents the membership plaque to Buteau at a brief ceremony in Bldg. 1. Bob Lee (l), Safety Engineer, and Cliff Dahl (r), Bldg-Eng Supervisor, join in the cere-

mony. Attention to safety rules gained Buteau membership in the nation-wide Wise Owl Club, sponsored by the National Association for the Prevention of Blindness. He was wearing safety glasses when an electrical explosion occurred in his shop. Molten metal sprayed his face, but the safety glasses prevented an eye injury, and Lee believes, saved his vision.

## Junior Achievement Company Big Success, Declares Dividend

If the Koke-A-Koaster Company is any indication, the future of the free enterprise system rests in good hands.

The Koke-A-Koaster Company is the Librascope-sponsored Junior Achievement firm for the 1959-60 year. Formed last October by 16 high school students from the San Fernando Valley, the company concluded its first (and only) year of operation in May.

THE FINANCIAL statement for the year, just released, would make any business owner sit up and take notice: Koke-A-Koaster's product—coasters shaped like bottle caps—was a resounding success, and investors who bought shares in the company last Fall at 50 cents a share were rewarded with a 10 per cent dividend on their investment.

What's more, the financial statement shows, the company's total net income—\$383.47—amounted to more than one third of the sales volume—\$956.47.

THE COMPANY was formed as part of the nation-wide Junior Achievement movement, dedicated to giving teen-agers practical experience in ownership, management and operations of a business enterprise.

The sixth company counseled by Librascope in a like number of years, Koke-A-Koaster was organized by students from four high schools in the Valley area. They chose their product, selected the name of the company, elected officers, raised capital through the sale of stock, produced and sold the coasters, then liquidated the company in May, according to the JA by-laws.

LIBRASCOPE'S counselors aided in the organization of the company, and offered assistance when requested by the Achievers.

The coasters, made of anodized aluminum, were attractively packaged and came in four colors in sets of eight.

ALL TOLD, 515 coaster sets were sold. Production totaled 540.

The company, which operated at the Junior Achievement Center at 121 E. Verdugo, Burbank, donated \$100 of its income to the Junior Achievement Scholarship Fund, paid \$84.14 in bonuses to its members, and provided for the payment of income taxes. This in addition to the 10 per cent dividend.

OPERATING COSTS for the firm amounted to \$716.90. Of this total, \$479 went for materials, \$19.42 for office and shop supplies,

\$18 for rent, \$36 for outside public services (taxes), and \$164.48 for wages, salaries and commissions.

THE VOLUNTEER advisors and alternates from Librascope were: Production: Charles Cole, Assistant Superintendent in charge of the Prototype Shop; alternate, Roy Van Holm, Prototype Shop Foreman.

Business: John Fatz, Supervisor of Timekeeping; alternate George Pope, Accounting.

Sales: Art Pedersen, Supervisor of Employee Benefits and Services; alternate, Joe Fido, Bldg-Main.

Plans are already under way for Librascope to participate in the 1960-61 Junior Achievement Program as a counseling firm. LIBRAZETTE learned that Lewis W. Imm, Librascope President, has been re-elected to the position of secretary for Junior Achievement in the Los Angeles area. It will be his fifth consecutive year in that post.

## Erickson Joins Public Relations

Al Erickson has joined the Public Relations Department as a Publicity Writer-Editorial.

Erickson is serving on the staff of LIBRAZETTE for several months as Associate Editor to become familiar with company operations.



PRIOR to joining Librascope, Erickson was a public relations representative for Northrop Corporation's Norair Division. He was business editor of the San Gabriel Valley Daily Tribune, West Covina, for two years, winning an editorial and a writing award for his work. An Army veteran, he also was employed as a purchasing coordinator for G.E. Supply, and a writer for Boeing Airplane Co.

A native of Tacoma, Washington, Erickson holds a B.A. degree in journalism from the University of California, Berkeley, and an M.S. degree in journalism from UCLA.

## Librascope Will Host WESCON Show Delegates

Librascope has been named the official host company in San Fernando Valley for the upcoming Western Electronics Show and Convention.

The convention is scheduled for the Los Angeles Memorial Sports Arena August 23-26.

AS HOST COMPANY, Librascope will conduct a tour through its Burbank Branch for some 150 attending the convention. The tour, set for August 24, will acquaint the conventioners with the company's complete range of commercial activities.

Conducting the tour will be Burbank's John Stevens, Quality Control Manager; Fred Thiele, Chief Designer; and Jim Roth, Sales Engineer. John English, Division Publicity Manager, will coordinate.

KEN SLEE, Director of Public Relations and Advertising, reported that Librascope will participate with its sister GPI divisions in a joint corporate display at the convention. Each division will have a portion of the 80-foot display.

Slee said the convention is open to the public for a nominal admission fee.

## Airborne Computer Group Moves to Solana Beach

Airborne's building-block computer engineering and study group completed its move from Glendale during July to the company's Solana Beach facility.

A total of 15 Librascopers, headed by Bob Bible, Project Director, made the move during the middle part of this month.

Hank Norris, Chief Engineer of Airborne, said the group's new home is now officially the department's Solana Beach Office. Address is 130-32 North Acacia Avenue, Solana Beach.

THE FACILITY, a 2,000 square foot office building, was remodeled by Cliff Dahl's Bldg-Eng Section to accommodate the new occupants. Included in the remodeling was addition of several offices.

The move to Solana Beach is the first step in the gradual relocation of the entire Airborne Department, over a three-to-five year period, to new facilities in San Marcos, some 15 miles inland from Carlsbad. The building-block computer group will be the first to occupy the new facility when it is ready next year.

NORRIS SAID that employment at the Solana Beach Office is expected to grow as the building-block computer program expands. By spring of next year, the group's employment may reach 25.

Norris cited three principal reasons for the move: (1) to place the building-block computer group in a separate location to differentiate and isolate it from other Airborne projects; (2) to alleviate a critical space problem at the Glendale facility; (3) to implement the big move to San Marcos by having personnel already in the area.

The building-block computer project, sponsored by the U.S. Air Force, aims to develop digital computer capabilities for advanced weapons now being planned by the service. The concept represents a big departure from existing computers in many respects, but its

manufacture will be similar to the ASN-24 computer.

HERE ARE THE NAMES of the Librascopers now holding forth at Solana Beach:

Bob Bible, Project Director; Powell Stokes, Project Manager; Don Burcher, Arville Trostrud, Bob Simpson, James Kinzie and John W. Stark, Engineers; Charles Clemans and Donald Root, Mathematicians; Stephen Kinsinger and Thomas Hilton, Associate Engineers; George Hoffman, Engineering Planner; William Frye, Design Draftsman; B. B. Hayworth, Design Specialist; and Elena D. Root, Secretary.

Hayworth transferred from SUBROC and Elena Root from Patents Department to make the move south. Hilton is one of the new associate engineers hired this June.

AN ENTIRE moving van was used to move the group's equipment—records, desks, supplies, drafting tables and all. Joe Fido, Bldg-Eng Administrative Assistant, coordinated this aspect of the relocation.

Assisting the personnel in finding housing accommodations was Joe Schwarz, Housing Coordinator. Schwarz, who investigated housing facilities prior to the move, reported that all 15 making the move had obtained housing accommodations in the area when the relocation became effective.

Schwarz also gathered information on schools, churches, shopping centers and other services in the area, and made it available to the transferees.

Paul Bender, Administrative Assistant to Hank Norris, coordinated the overall relocation program. He was assisted by George Hoffman.

## 30 Attend Document Control School

Some 30 Librascopers are scheduled to attend a Classified Document Control Training Program this month, sponsored by the Security Department.

Don Knox, security officer, said the program is being presented to clarify problems on all phases of handling classified documents.

THE program is divided into two classes, each one and one-half hours

long. The classes will be held in Bldgs. 3 and 16.

Personnel invited to attend the classes are responsible for logging, marking, transmission and storage of classified documents. Departments represented are Quality Control, Engineering, Military Sales, Engineering Services and Contracts.

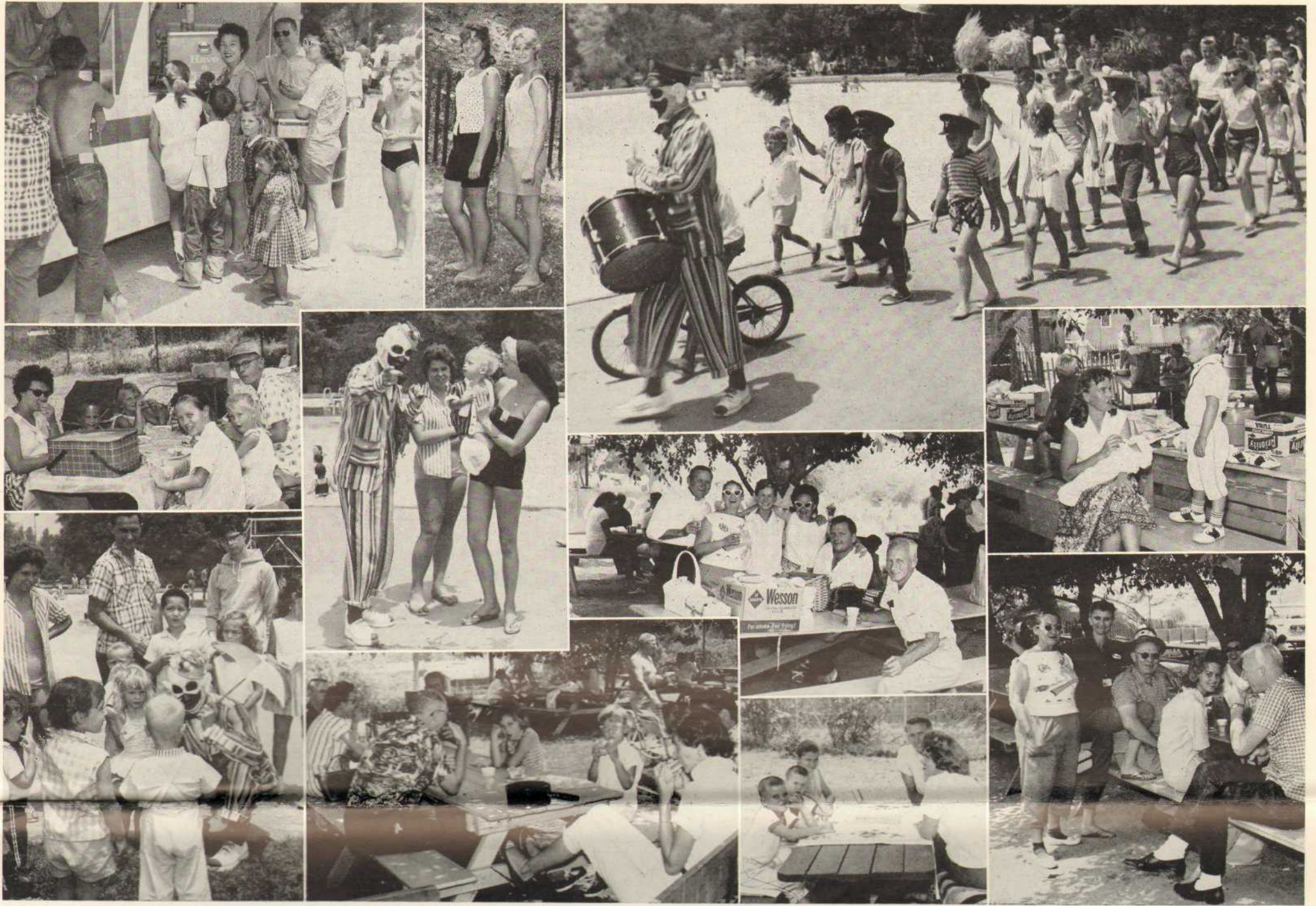
Coordinator for the program is Don Schuster of Training.



ROOF-TOP PARKING LOT—on Bldg. 17 was officially opened this month with a ribbon-cutting ceremony. Harlan Buseth (l), Production Manager, holds the ribbon as Berna Lee Sherman, Production Control Clerk, wields the scissors. In the background, Cliff

Dahl, Bldg-Eng Supervisor, is ready for the honor of being the first to park a car on the lot. The building and lot were designed and built under Dahl's direction. The lot accommodates 250 cars, and is accessible by a ramp on the eastern side of the building.

# Precisioneer Picnic Solid Hit With Kids



## Airborne Adds 3 Engineers During July

Three new additions to Airborne's growing roster were announced in July by Hank Norris, Chief Engineer. They are:

**JIM STURGES**, Applications Engineer, who will be working on the utilization of airborne digital computers as relating to airborne ASW problems.



Formerly with Ryan Aeronautical in San Diego, Sturges was assistant supervisor in charge of Customer Engineering Services, acting as liaison man with BuWeps and with navigation and ASW manufacturers.

A native of Hartford, Conn., Sturges spent seven years with North American Aviation as field service representative. In his new Librascope position, he will report to Charley Foodim, Director, Project Engineering Section.

**HAROLD DUNLAP**, another Applications Engineer, comes to Librascope from H. L. Yoh Co., Inc., where he served as senior project engineer on several phases of the Atlas missile system.

Married and the father of two, Dunlap spent three years with Bendix Aviation's Pacific Division as senior engineering aide.

## POLIO SHOTS FOR \$1

Polio cases are on the increase this year, and Mary Snyder, Plant Nurse, reminds Librascopers that polio vaccine shots are offered by the Los Angeles City Health Department for \$1 a shot. Location of the City Health clinics that administer the shots can be found by calling MA 8-6256. There's one near you. Shots are recommended for anyone under 40, and especially children. And don't forget the booster shot, required a year after you've had the initial three.

Dunlap attended West Coast University, where he received an Associate degree in Mathematics. He is presently working toward his BSEE. Originally from Akron, Ohio, Dunlap lives with his wife and three children in Sepulveda.

**THE THIRD NEW** member of the Airborne team is Murry Drew, new section Liaison Engineer.

Drew comes to Librascope from Modern Die and Tool Corp., where he served three years as outside sales representative and general manager.

At one time in business for himself, Drew was co-owner of the A and D Machine Company. He was also superintendent for R. L. Thibodo Construction Company.

Married and the father of two, Drew makes his home in Pico-Rivera. As Airborne liaison engineer, he will be responsible for coordinating and expediting outside work for the company.



**PAIR OF EDITORS**—Bruce Luther (L), Supervisor, Field Service, and Leonard Rado, Component Applications Supervisor, have a look at the second issue of "Design Aids," Rado's publication for the Reliability section. Luther's "News Letter" has been in operation for four months, dealing with news and information pertinent to Field Service personnel.

## New Link President

A top management change at Link Division of GPI was announced recently, with the installation of William W. Wood as the firm's president. He replaces David D. Mason, Link president since 1958. The announcement was made by James W. Murray and Donald Smith, board chairman and president respectively of General Precision, Inc.

Wood has been executive vice president of Link since February, 1960. An electrical engineering graduate of Columbia University, he first joined Link in 1941 as a field service engineer.

## Librascopers Prove Adept As Recruiters

Librascopers are proving quite adept as recruiters of new employees.

Paul Kennedy, Engineering Employment Supervisor, disclosed this month that some 50 per cent of all people hired by Librascope during the past year were referred by employees.

For example, he said, during May of this year, Librascope hired 83 employees. No less than 40 of the new hires were recommended by friends and acquaintances already employed here.

**THE RATIO** of employee referrals to new hires remains fairly constant regardless of type of work. Of the 40 hired in May, Kennedy stated, seven were in the professional-technical category, 14 were in the trades and crafts, and 19 were in the administrative and clerical field.

Kennedy recommends that referrals be made to the Employment Office. In many cases, he said, a Librascopers may not know of an opening in his own department, but the employment office may have a listing ideally suited for a person recommended by a Librascopers.

"And don't be afraid to recommend a person who is not in your own trade or profession," Kennedy added. "The scope of Librascope's operations is so wide that a person engaged in a different kind of work than your own may be just the employee Librascope is looking for."

## Missile Seminar Draws Applegate

Howard Applegate, director of advanced projects in the Shipboard Equipment Engineering Department, attended a two-week classified seminar in underwater missile engineering.



**THE** seminar, held July 10-22 at Pennsylvania State University, University Park, Pa., was conducted by the staff of the university's Ordnance Research Laboratory. The lab is the only civilian academic laboratory concerned with the overall problem of underwater missile research and development.

The course covered principles underlying the design synthesis of underwater guided missiles. Many research and development aspects also were discussed, including underwater acoustics, electronics, flow noise, noise reduction, hydrodynamics, propulsion and control.

Applegate has been continuously associated with underwater ordnance research and development, both as design engineer and project director, during his 10-year span at Librascope.

## GPI Appoints

Frank J. Delves has been named Vice President—Foreign Marketing for GPI, effective July 1. Former Director of Contracts and Pricing for the Kearfott Division, Delves will be responsible for the coordination, direction and consolidation of General Precision overseas marketing and promotional programs.

## Bowlers Cap Season With Awards Dinner

by Fred Killips

As this is being written the temperature stands at around 100 degrees and there's something strange about writing of the WINTER bowling league's activities.

But that is the name of the league of which I am the duly-elected president and my job is to tell you about the successful wind-up of the season — our annual awards banquet, held this year at the Green Hotel, Pasadena, on June 18.

It was a big success, socially and sportwise, too. The entertainment highlight of the evening was provided by Don Hirsch, Bldg 10 foreman, with hilarious performances in pantomime against a background of Spike Jones recordings.

Don also did a takeoff of a Red Skelton skit involving a radio announcer sampling and extolling the merits of a certain brand of gin. Both were enormously funny and the audience thought so, too.

A total of 25 trophies were awarded, with the writer doing the honors. Team and individual trophies went to:

1st place winning Kilroy Klicks—Chuck Breuer, Mary Carr, Ken Cantrell, Vern MacClure and Fred Fries.

2nd place Hapa Haoles—Edna Markham, John Lincoln, Mickey Ching, Ken Parker and Glen Reymann.

3rd place Pinbusters—Bill Grimman, Charley Sparks, Bill Klingensmith, Pat Bishop and F. Killips.

Individual trophies were awarded as follows:

First half of season—Mary R. Coffin, season high ladies series; Edna Markham, season high ladies game; Bob Bruce, season high men's series; Doug Germain, season high men's game.

Second half of season—Mary Carr, season high ladies series; Sally Hurwin, season high ladies game; Joe Clark, season high men's series; John Kavilis, season high men's game.

Most improved bowler awards went to Tom Smith and Doris Kennedy.

## Value Analysis

(Continued from Page 1)

Following a five-step formula called the Value Analysis Job Plan, the analyst can arrive at precise and concrete conclusions. These same steps—Information Phase, Speculative Phase, Analytical Phase, Engineering and Vendor Study Phase, and the Summary Phase—were the same basic tools employed at the recent Librascope seminar.

THE G.E. Value Analysis group points out, however, that its role is not merely a crash program for cost reduction. In some cases, V.A. has made recommendations that a component be replaced by a more expensive one. The reason behind it—function.

If the higher priced part can perform the function more reliably, or can perform more functions, then it will be recommended. Cost reduction with equal performance and reliability, however, is the major goal of Value Analysis.

The two-week seminar concluded July 22, and at that time certificates of completion were issued to those attending.

REPORTS on the projects undertaken were not announced as LIBRAZETTE went to press, but Buzz Newman, Librascope seminar coordinator, attested to the overall impact of the course.

"The sustained level of enthusiasm generated at the seminar was most gratifying," Newman said. "We are most grateful to General Electric and its instructors for the splendid introduction to Value Analysis."

## Golf Club Makes Apple Valley Scene Of Annual Tourney

A record number of players is expected for this year's Librascope golf tournament, according to club president, Otto Gelormini, Airborne Senior Engineer.

Scene of the annual tourney and banquet is the Apple Valley Inn and Country Club, Sunday, August 28th. An expected 120 employees will make the trek to the desert spa, all with an eye on one of the many trophies to be awarded at that night's banquet.

RESERVATIONS at Apple Valley for approximately 50 rooms have been made for the week-end, all on a first-come-first-served basis.

The golf club opened its season this year on May 1. Scheduled for eight play periods, here are the group leaders, following the fifth round, on a points-won rating:

Group 1: Squad A, Jim Drugan (7); Squad B, Bob Sommerville (9); Group 2: Squad A, Porter Davis (9½); Squad B, Ed Lneyis (9); Group 3: Squad A, Charley Guran (8½); Squad B, Arnie Brown (8½); Group 4: Squad A, Jim Robinson (6½); Squad B, Joe Fido (8).

Group 5: Squad A, Jim Conway (8); Squad B, Walt Newcomer (8½); Group 6: Squad A, Barney LeLong (9); Squad B, Bernie Myers (9); Group 7: Squad A, Chuck Norcutt (10); Squad B, Arnie Wilson (8).

In the women's division, Charlotte Webberson leads with seven points.

## San Marcos

(Continued from Page 1)

Norris indicated that one third of the 220 people will comprise an engineering section, with the remaining two thirds making up the production and service groups.

PART of a decentralization move now under way at Librascope, the relocation of Airborne is targeted for completion within a 3 to 5 year period, Norris said.

In preparation for the move of Glendale personnel, Joe Schwarz, Housing Coordinator, is collecting information on housing facilities, social organizations and services in the San Marcos area. He is disseminating the information to the wives of Airborne personnel scheduled to be transferred. Several meetings have been held already, and more are scheduled as the relocation plans progress.

SAN MARCOS is located some 35 miles northeast of San Diego, and some 15 miles inland from Carlsbad.

Selection of the San Marcos area as the new headquarters for Airborne ended a long search. The area was chosen on the basis of its central location in relation to San Diego County, the excellent schools and services available, and the progressive attitude of North County area business and civic leaders.

## The Librazette

Copyright 1960 by Librascope Division, General Precision, Inc. 808 Western Avenue, Glendale

Editor Bill Keith  
Associate Editors Al Erickson  
Terry Ryan

Art Editor Keith Kinnaird  
Assistant Art Editor Paul Kane  
Photographers Earl Crawford  
Fred Beindorf, Jim Avera

Photo Layout Andy Cook  
Jim Norwood

## Faust Sees Son Make Olympic Team

Bob Faust, of Materiel Procurement Follow-Up, wasn't any ordinary spectator at the Olympic team trials held July 1 and 2 at Palo Alto.

There were 43,000 track fans on hand to witness the star-studded event, but for Faust the stadium held only two people—him and his 17-year-old son, Joe, down on the field trying for a berth on the U.S. Olympic team.

The competition ran deep in every event, but nowhere was it any more intense than in the high-jump, young Joe Faust's specialty.

Included in the field were John Thomas, the world's record holder in the event and Charley Dumas, the first man ever to break the seven-foot barrier. Errol Williams of San Jose State and Sonny Lewis of Grambling College were two other top-flight jumpers that had to be considered, too.

Joe Faust, a freshman at Occidental College, would have to surpass at least two of these men in order to make the team.

Tension mounted as time and again the bar went higher, and by the time it was hoisted to six-eleven, the whole thing became well-nigh unbearable for Bob Faust, the fidgeting father in the stands. But son Joe was still in there, competing with four others.

On his trip up to Palo Alto, Faust had stopped by Carmel and made reservations for a room—just in case. He knew that his son would be a mighty disheartened lad if he didn't qualify for the team. Maybe a week-end of swimming and relaxation at Carmel would make them both forget about it, if the worst came to pass.

With the bar at 6' 11", Faust mentally cancelled out all plans for the week-end at Carmel. Joe made the jump, while Errol Williams and Sonny Lewis both missed. His boy



THAT'S MY BOY—Bob Faust, procurement follow-up, introduces his son, Joe, to Marshall Cowan, Materiel Manager. A proud father—and rightfully so—Faust was in the stands at Palo Alto the day young Joe cleared seven feet in the high jump and qualified for the U. S. Olympic team.

was on his way to Rome and the Olympic games!

The jumping, however, was far from over. John Thomas, Charley Dumas and Joe Faust were still in competition, as the bar was hoisted to an even seven feet.

Thomas cleared it, Dumas missed and then it was young Joe's turn. He had never jumped that high before, but this was a very special day. With a tremendous kick, he sailed up and over the bar—only the third American athlete in history ever to accomplish it.

It was just too much for the senior Faust. Scaling the wire fence that separated the spectators from the field, the ecstatic father jumped onto the track and made a headlong dash toward his son.

About twenty yards out, he was collared by one of the guards on the field. "Where do you think you're going?" the guard inquired brusquely. "That's my son!" Faust blurted out.

The ear-to-ear grin worn by the senior Faust was too much even for the guard to resist. "Go," said the guard, letting the happy pappy continue the race for his son.

It is true that John Thomas went on to break his own world's record that day and that Don Bragg set a new pole vault mark the following day. But for Bob Faust, his wife and their other six children, the Olympic trials ended the moment 17-year-old Joe lifted himself seven feet in the air.



PROVISIONING CONFERENCE — Librascope's Spares Analysis Group hosted a full-scale provisioning conference July 6-14 on test equipment for the CP209 digital computing system. Pictured above are the conference members (l-r): Phil Degrazio, Librascope; George Thompson, Librascope; Ozzie Osborn, Librascope; George Weightman (seated), Aviation Supply Office; Wayne Brookshier, Librascope; Frank Witkowski, ASO; Harold Henneke, Naval Avionics Facility, Indianapolis; John Nagle, ASO; Ken Trenholm, BuWeps; Sam Pliscof, ASO; Earl Hodges, ComFair Whidbey; Dick Kirkham, NAFI; and Harry Agin, ASO, conference chairman. Seated in foreground (l-r): Margaret McGinn, ASO; Ron Sobol, Librascope; Bob Endy, Librascope; and Maurice Davis, ASO.

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

First Class Mail