



**COST REDUCTION IN ACTION**—Members of a Librascope Value Engineering team discuss possible cost reductions of ASN-24 production with vendor representatives during nine-day workshop in Bldg. A-16. From left, participants are C. C. Goldstein, Glendale; Phillip DeGrazio, Aerospace; Mike Duffie, from the

Minnesota Mining and Manufacturing Company, and V. J. Lees, Aerospace. Pictured at right is "Dusty" Fowlkes, of Value Analysis, Inc., who conducted the Value Engineering Training seminars at Librascope prior to the actual study of the ASN-24. The VA study course took two weeks of classroom work to complete.



## Use Value Analysis Yardstick In ASN-24 Cost Reduction

Just three days following the Value Engineering training seminar here last month, 22 Librascope Value Specialists sat down and put their theories to practical use in a nine-day cost-reduction study of the ASN-24 Airborne Digital Computer.

Their objective: To submit cost saving proposals to the design engineers of the Aerospace Branch.

**THE COST REDUCTION** recommendations were obtained from realistic production estimates and from vendors, carefully selected by the Aerospace Purchasing Department, who participated by suggesting less expensive design alternates. Many recommendations were made, all requiring a detailed evaluation by the Aerospace design group. Consequently, no final result is available as yet.

The effort has been supported by M. E. Alberda, Aerospace Project Manager for the ASN-24 Computer, and by E. L. Considine, Training Co-ordinator, and by R. I. Case, Director of Value Engineering.

**FOR THE STUDY** the computer was divided into ten modules or sections with each portion being analyzed by one of the ten teams. Value Engineering techniques were employed on each portion to determine:

1. The function of the part;
2. The necessity of the part;
3. The possibility of an alternate and less expensive approach which would accomplish the same function without altering either quality or reliability.

**THE DECISION** to submit the ASN-24 to a Value Engineering study was made by Aerospace Branch, on the basis of the outstanding results achieved in the recent training seminars. Trained Value Specialists from all branches co-operated to seek improvements and cost reductions over the original design completed in 1958.

It was felt that the long-range success of the ASN-24 depended upon cutting production costs and that reducing the price of the computer would place it on a more competitive level. The proposals the teams have submitted to the design engineers at Aerospace will be a significant step towards this objective.

**THE NINE-DAY** workshop was divided into three time segments. The first two days, or information phase, were spent by the teams ex-

amining the modules and sections assigned to them.

During the next five days, the teams worked with vendors. The team-vendor combination produced a large proportion of the cost saving recommendations. The final two

(Continued on Page 6)

### Martin Sells Stock

Martin Company holdings of General Precision Equipment Corporation stock have been sold to the general public through a group of underwriters, President W. E. Bratton announced last month.

Martin now has no connection with the ownership or conduct of business of Librascope's parent holding company.

Sale of the stock followed the filing of a suit against Martin by GPE in a New York federal court, charging violation of the Federal anti trust laws. With the sale of Martin's holdings this suit has now been dropped.

### New Contracts Awarded

Librascope's backlog moved upward again last month, with notification from the Navy that \$5,000,000 in production orders for ASW equipments would be forthcoming shortly. The commitments extend scheduled ASW production well into 1963.

At the same time \$2,400,000 in contracts for other ASW equipments were signaled in letters of intent from the Navy, spelling out details of contracts already under negotiation, bringing dollar-volume of newly-scheduled business up to \$7,400,000 for the month of May.

## Name J. R. Harkness Vice Pres Marketing

The increasing importance of sales in present and future operations at Librascope, was emphasized this month when President W. E. Bratton appointed John R. Harkness to fill the newly created position of Vice President-Marketing.

Harkness, a graduate electrical engineer, is a well-known management and sales executive in West Coast electronics. He resigned as Manager of Electronics with Bendix-Pacific Division, a 3,200-man operation, to accept his new post.

Reporting directly to the President, Harkness will be responsible for the functional direction and coordination of all marketing, sales and customer relations activity. In addition, he will have line responsibility for foreign sales and licensee relationships, public relations and advertising.

**REPORTING TO** the new Vice President will be R. R. Williamson, Director, Military Sales, E. W. Silvertooth, Foreign Sales Representative and M. N. Cannon, Director of Public Relations and Advertising.

Admiral S. E. Burroughs will continue to report to Bratton, as Vice President-Military Relations.

Harkness, a native Californian,



is a 1936 graduate of USC's school of engineering, with a BSEE degree. He attended high school in El Monte and Riverside, took his pre-engineering college work at Santa Ana Jr. College. He also took graduate work in the executive management program at UCLA.

**LIBRASCOPE'S** new marketing chief was Manager for six years of Kearfott's western division, with plants in Pasadena and Van Nuys. He also was Vice President and General manager of the Byron-Jackson division of Borg-Warner Corp. He is a member of the American Ordnance Association, the American Institute of Electrical Engineers and the Institute of Aerospace Sciences. At USC he was elected to membership in Eta Kappa Nu, honorary electrical engineering fraternity.

Harkness makes his home in Encino, with his wife, the former Miss Geraldine Wiley of Riverside, and their two daughters, Carol, 17, graduating this year from Birmingham High School, and Mary Ann, a student at Portola Jr. High.

## Librascope Develops L-3060 High Speed Computer System

Librascope has developed one of the fastest and most powerful computer systems in the world. Named the L-3060, it is specifically designed to meet the complex problem of processing the enormous flow of information needed to effect command control of a rocket launching, a satellite tracking net or a central military command post.

President W. E. Bratton, in announcing the L-3060 to the scientific, technological and military journals, said that a typical configuration of the system will perform 2,480,000 operations per second and will retrieve information from memory in less than a millionth of a second.

**COMPLETELY TRANSISTORIZED**, the L-3060 has high-speed core memory access to 144,000 50-bit words, random access to 3,250,000 words stored in magnetic disc files and magnetic tape storage files of 9,000,000 words.

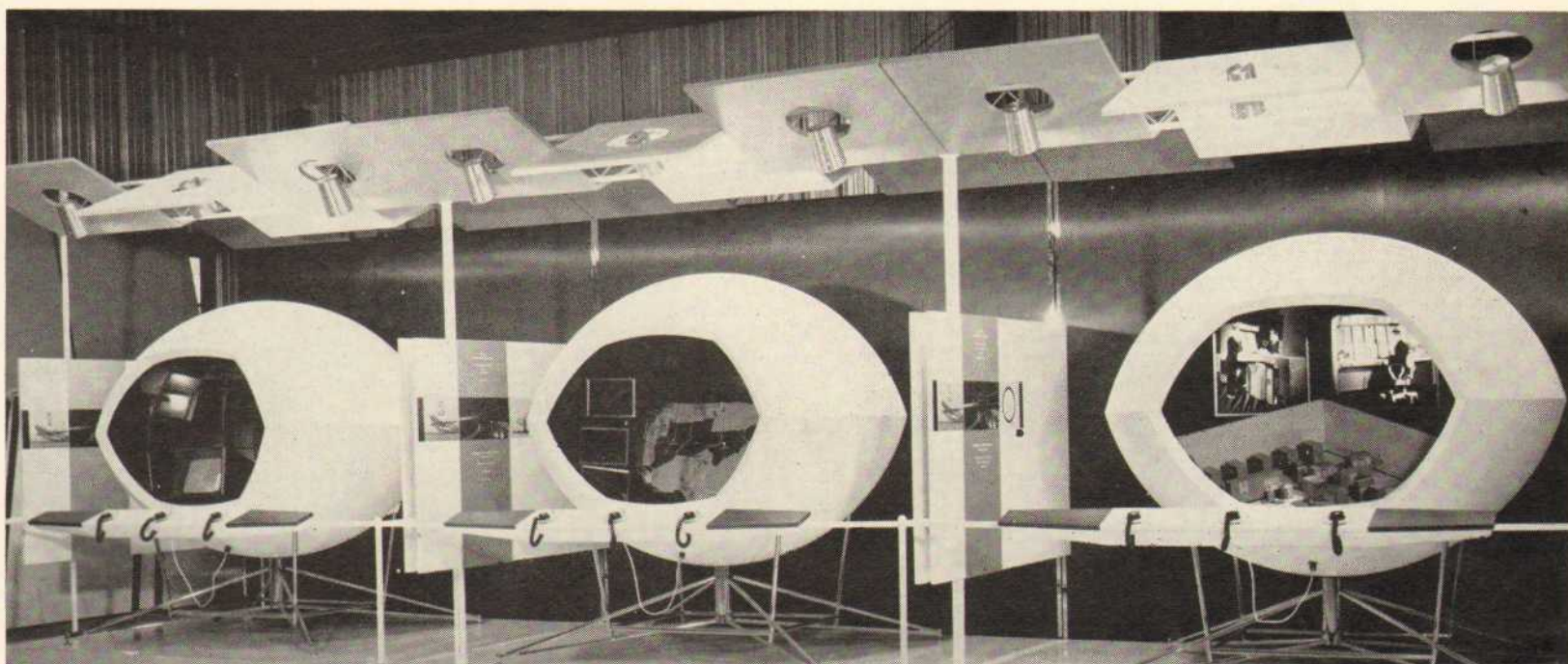
The random-access information can be retrieved in 17 thousandths of a second and all files are expandable.

Basic speed characteristics of the L-3060 are augmented by high reliability. The L-3060 evolved from the Central Data Processor, built by Sunnyvale's Ground Systems

Dept for the Federal Aeronautics Administration. High reliability was a primary design consideration of the CDP.

**A TYPICAL** system configuration includes four digital computers, with memory units and program consoles; one shared (duplexed) memory unit; six dual magnetic tape units; four random-access disc storage units; two input-output (duplexed) buffer processors; two real-time clocks; one automatic test console and one central supervisory console. The system is capable of great expansion through addition of extra computer units. Communication between the units is accomplished in less than a millionth of a second through the shared memory unit.

Deliveries of the system are on an 18-month basis and prices will vary according to the configuration.



**FAA, S'IL VOUS PLAIT**—A feature of the United States display at the recent Paris Air Show in France was Librascope's striking FAA Air Traffic Control exhibit. Heart of the exhibit (in the sphere at right) is a model of Librascope's Central Data Processor, designed cooperatively with FAA for electronic, semi-automatic control of air traffic. Slides and

pictures projected in the first two spheres take the viewer on a jet passenger flight across the U.S., to the accompaniment of actual voices of FAA controllers along the route. Next stop for the exhibit, according to Dean Johnson, Librascope's Trade Show Manager, is the new L. A. International Airport opening later this month.



# LIBRAZETTE

LIBRASCOPE DIVISION  
GENERAL PRECISION  
GENERAL PRECISION INC. GLENDALE 1, CALIFORNIA

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## Coming: A New Shape

LIBRAZETTE, which has been published in its present five-column, tabloid newspaper format for almost seven years, will come to you in a new and different—and we hope pleasing—form, starting with the July issue.

Your newspaper will shift to a three-column format, 8½x11 inches in overall dimensions, almost identical in size to such national news magazines as Time, Newsweek and U.S. News and World Report. It will be convenient to handle and easy to read.

In its new form LIBRAZETTE will combine the best features of a newspaper and a magazine. It will provide the same broad coverage of news as it has in the past. Our handling of news—the writing style, the physical presentation—will undergo change, as we experiment with our new dimensions.

Our objectives will remain the same. We will continue to provide Librascope employees with meaningful information about Librascope, its affiliates within GPI and our parent company, General Precision Equipment Corp.

### GPE Quarterly Dividends Up

GPE sales rose 13.2 percent in the first quarter of this year, as compared to the same period in 1960, to reach a total of \$62,896,867. Net income per common share rose 12.9 percent, to a high of \$.88, as compared to \$.77 for 1960's first quarter.

The figures were made public by the Board of Directors following its meeting at the new GPE headquarters in Tarrytown, N. Y.

The Board declared a first quarter dividend of \$.30 on each share of common stock, an increase of 20 percent over the \$.25 dividend declared in the first quarter of 1960.

## Hugh Beatty Marketing Mgr of Aerospace

Hugh E. Beatty has been named Manager of Marketing for the Aerospace branch by Branch Manager H. W. Norris effective mid-June.

For the past three years Beatty has been part of the firm of R. M. Brunson & Associates, special representatives for Librascope and other GPI divisions in the San Diego area.

Prior to joining Brunson, Beatty spent six years with Minneapolis-Honeywell as sales and application engineer and Manager of the West Coast ordnance division. He also was project administrator on the ASROC contract.

Beatty ("pronounce it bee-tee, or bay-tee, I have no preference") is a 1951 graduate from Stanford University, where he took a BA in History and a BS in Naval Science. He is the son of Vice-Adm Frank E. Beatty (USN-Ret).

## Ask Help In Defining ACN IBPO, EOS, etc

What is an IBPO? A CAE? An ECO? An ACN? or a BOSO?

They're abbreviations of special terms, examples of the special language or verbal shorthand which many of us have developed in our work at Librascope. This lingo is marvelously expressive to those who understand it—but utterly confusing to those who don't.

In the interest of improved communications, Librascope wants to get that special language down on paper—complete with definitions—so that all of us will understand each other.

All employees are invited to submit lists of words with special meanings, abbreviations and special terminology used in their work, complete with their common-English definitions. They'll be published in a special dictionary for distribution within the organization.

Send your contributions to LANGUAGE, c/o LIBRAZETTE, Bldg 3, Glendale.

## Glendale Engineering Teams Work On New Navy Programs

Two Glendale Branch engineering design teams are playing important roles in the Navy's coordinated ship-electronics system design program for surface and sub-surface combat ships.

The design groups are operating under study contracts which arise out of the increased importance—and high cost—of electronics in modern naval combat ships. They provide for development of a pre-planned integrated electronics system for an entire ship.

**OBJECTIVE** OF the Navy's coordinated ship-electronics system design program, according to Glendale branch manager T. D. Bryant, is to achieve greatly improved performance and reliability of the electronics systems at reduced costs, and to provide flexibility to meet future technical advances.

A. D. Larson, chief engineer, Glendale, has named D. E. Roof, director of the ASW equipment department, and J. L. Deitz, director of the data processing department, as heads of the two engineering design teams.

**REPORTING TO** Roof are R. D. Bartlome, project manager; R. A. Chambers, senior engineer; L. A. Wilson, mathematician and C. J. Rousseau, engineer. Further additions to this group will be made shortly.

Reporting to Deitz are J. T. Lienhard, project manager; J. L. Saiers, staff engineer; S. E. Williams, digital mathematics manager; D. W. Hackett, and G. E. Stone, senior engineers; C. W. Brown, engineer and Michio Uno, mathematician.

Both teams are being supported in their efforts by the Advanced Projects Dept and the Surveillance Equipment Dept.

## Group Insurance "Terrific," Says Ken Licklider

Ken Licklider, Glendale Building Maintenance, father of four children, has just completed his first encounter with Librascope's Group Insurance.

What does he think of the plan? "A real terrific deal," says Licklider.

The Group policy has paid him claims of \$1262 over the past six months for disability, hospitalization and medical expenses resulting from a whiplash injury suffered in an auto accident last November.



Licklider's car was struck from behind as he was enroute to work on Nov. 2, 1960. The injury he sustained from the accident meant missing work for 64 days, five of which were spent in traction at the hospital.

Following a series of physiotherapy treatments, he returned to work in January. Then in March a pinched nerve forced him back to the hospital for more treatments. Now he's back on the job again.

During all this time, "Group Insurance took care of me just fine," said Licklider. "My wife and I were thankful we didn't have to worry about trying to scrape up the money for all those bills."

The driver of the other car was covered by liability insurance, but to date a settlement has not been reached. Lawyers are busily working on the case.

In the meantime, Group Insurance has already paid off, saving the Licklider family a host of financial worries and debts.

### Minuteman

The Minuteman contract for circuit boards, sought by Librascope and several other leaders in Southern California electronics, has been awarded by the Autonetics Division of North American Aviation, Inc., to Mel-Par, Inc., of Falls Church, Va. Mel-Par is a subsidiary of the Westinghouse Air Brake Company, has plants at Watertown, Mass., Tucson, Ariz., and in Northern Virginia.

### WHAT WE GET:

## Benefits Program Equal To \$1,250 Per Year Bonus



(This is the fourth and final article in a series outlining policies, scope and value of the benefits Librascope provides its employees—Ed.)

How would you like to receive an announcement saying, "Librascope pays a \$1250 annual bonus to all employees?"

Your first reaction would probably be, "Fine, when do I get mine?"

**ACTUALLY**, this is the amount all of us received during 1960 through Librascope's Employee Benefits Program. And although the \$1250 did not come to us in a lump sum, still it was money paid us or spent for us by the company.

As a total figure, the cost of employee benefits for Librascope amounted to nearly \$5 million in

1960. A list of individual items shows how benefits add up:

|  |             |
|--|-------------|
| Coffee Breaks.....                             | \$1,061,400 |
| Paid Vacations.....                            | 917,763     |
| Paid Holidays.....                             | 689,053     |
| Social Security.....                           | 583,920     |
| Group Insurance.....                           | 527,040     |
| Unemployment Comp.<br>(State and Federal)..... | 365,916     |
| Sick Leave (hourly).....                       | 284,523     |
| Sick Leave (salary).....                       | 178,568     |
| Workmen's Comp. Ins.....                       | 74,393      |
| Disability Insurance.....                      | 71,727      |
| Education Refund.....                          | 15,488      |
| Military Reserve<br>Time-Off.....              | 12,243      |
| Jury Duty Time-Off.....                        | 11,392      |

**THIS LIST**, of course, is not all inclusive. As in every Benefits Program, there are many "extras" provided by Librascope which mean a great deal to all of us in the way of convenience and money, but which do not appear in the benefits figures.

Such items as free parking lots, safety equipment, first aid, and others are obvious benefits, but they are charged off in a different area of overhead expenses.

For purposes of comparison, the latest figures of a nation-wide survey of over 1,000 companies show that the national average benefits income per employee was \$1132 annually.

**BUT COMPARISONS** are not the final word in judging a benefits

program, since many companies classify different items as benefits.

For example, money paid for overtime, shift differentials and other wage premiums are considered to be benefits by some companies. At Librascope the cost of these items last year amounted to over \$2 million, and would have meant a 40% increase in our benefits picture—except that our management judges this expense to be part of our wage costs.

And, of course, we all know that spending a lot of money for benefits, like anything else, is no absolute guarantee of the worth in goods we receive. It's how much we get for our money that counts.

**YOU MAY SAY**, "Benefits of \$1250 is not a bad figure at all, but if Librascope just gave me the money in cash, I'd take care of my own."

Even if this were possible, you wouldn't be getting the best of the deal. Many of the benefits investments made by the company are available only through group plans. We, as individuals, could not purchase these benefits at so low a cost—if at all.

Moreover, through company programs, much of our benefits income is tax-free. This means that every dollar spent by Librascope for us buys a full dollar's worth of benefits.

At present Librascope employees receive roughly \$400 of their benefits in cash and pay taxes on them. Here's what would happen if the remaining \$850 worth of benefits, now received indirectly and thus tax-free, were included in the \$7,000 annual gross income of a married employee with one child:

**His Federal Income Tax** would leap from \$807 annually to \$1,022.

**His California State Income Tax** would jump from \$19.50 to \$31.

The savings of \$226 in taxes alone provides more money for more benefits for all of us.

**FOR LIBRASCOPE**, like any company, benefits are a costly business. They represent expenses that must be paid for just the same as regular wages, raw materials, or equipment.

As an overhead expense, the cost of benefits directly affects the company's earnings. To assure a good benefits program in the future, it's up to all of us to keep the earnings high.

Whether through cost reduction, increased production, or increased sales, as employees our extra stake in the company's success is a continuing bonus of better benefits.





**GALA EVENING**—Well over 300 Librascopers and guests turned out on the night of May 6 for some Spring dancing to the music of the Bill Steers Orchestra. The Biltmore Hotel Ballroom was the site for the Precisioners' Annual Spring Dance. In accompanying pictures, photographer Jim Avera catches dancers moving about the floor to the lively Mexican Hat Dance. At top right, the group dropping their tickets into the raffle barrel include: Eileen Brown, Precisioner Store manager; Walter Dody, Librascope guard; Pat Enochs, Employment receptionist; and Bill Cawthra, Spring Dance Chairman. Photos below show two tables-full of Librascope merry-makers during a moment away from the dance floor.



**JACKMAN HITS TEN**—Steve Jackman (center), Model Shop night shift wiring leadman, receives his 10-year Libravet pin and certificate from Model Shop Superintendent Charley Cole (right). Others attending the nightside presentation are Mrs. Yo Takimoto, night shift wiring; and Roy Gombert, Jackman's day shift counterpart.



**TEN YEARS EACH** — Recent achievers of 10-year Libravet status at the Glendale Branch are (left) Hilda B. Keesling, Engineering Draftsman, and J. P. Phillips, Design Checking Supervisor. The 10-year pins and certificates were presented by A. D. Larson, Branch Chief Engineer.



**NEW MESSAGE SERVICE**—Telecommunications Supervisor L. G. Cahill and PBX Supervisor Audrey Blythe (standing) check over operation of new Telephone Message Center recently initiated for all Glen-

dale facilities. Pictured above are the girls who will handle the new service in addition to Paging and Information. From left: Mary Lou Noyes; Marilyn Forrest; and Marilyn Neary. For story, see page 5.





AWARD WINNER—I. H. Osborne, Supervisor, Package Engineering, and Glendale Branch Manager T. D. Bryant display Osborne's award winning design of submarine-borne spare parts storage containers. Osborne received the "Achievement of the Month" award from the Society of Packaging and Handling Engineers.

## Packagers Pick I. H. Osborne For 'Achievement of Month'

I. H. Osborne, Supervisor, Glendale Br. Packaging Engineering, received recognition from his fellow packagers last month, when he was named to receive the "Achievement of the Month" for his packaging design of fire control system storage containers for spare parts.

THE AWARD, conferred by the Southern California Chapter, Society of Packaging and Handling Engineers, went to Osborne on the basis of "a composite of good economics, originality, advancement of the state-of-the-art, evident practicality, and potentially broad application."

The Osborne-designed containers, used for storage aboard submarines, are of drawn aluminum with polyurethane foam fabricated liners capable of providing substantial physical protection for the housing of spare parts. Lip covers with rubber gasketing, latching firmly into place, provide added environmental protection. The containers come in various modular sizes.

IN ADDITION to a sizeable reduction of needed storage space (a decrease of nearly 60 per cent of the original estimate), the new containers simplify the packaging process by eliminating the need to repackage each individual part and component.

Formerly, on arrival at various shipyards, the initial packaging would be stripped off, often by personnel not qualified to understand the complex nature of the parts to be repackaged.

WITH OSBORNE'S packaging approach, the parts are packed—in multiple quantities—directly into containers and placed into the space allotted on the submarine without any unnecessary repackaging. Placed within each container is the parts list of the enclosed items.

### Call Out The Posse!

It's round-up time at Librascope and no one can find the branding iron!

A whole herd of ping-pong tables have been loosed on the Glendale ranch and the iron is sorely needed to put the Precisioneer brand to them.

In past years, the Precisioneer iron was used on sporting equipment such as baseball bats to avoid any rustling. And while ping pong tables are a little more difficult to rustle, it's still best to put the brand name on.

Leading the posse in search of the stray branding iron is Precisioneer rep-at-large Fred Killips.

Anyone knowing the whereabouts of said iron, should contact Killips at extension 1066.

## Chop-A-Block Closes Books With 4% Div

Chop-A-Block, the Librascope-sponsored Junior Achievement company, announced a 4% dividend on its common stock shares at the company's final—and liquidation meeting in May.

The eight-month-old JA firm, operated by high school students from the Valley area, reported net sales of \$477 during its existence as a manufacturer of wooden chopping blocks. A total of 159 blocks were produced and sold.

THE 4% DIVIDEND meant a 2-cent profit on each 50¢ share for the company's 188 holders of common stock.

In the company's annual (and final) report to the stockholders, Al Haley, student president of Chop-A-Block, termed the organization "a smooth-running machine," said the student members of the firm gained valuable experience in the "American private enterprise system."

He lauded the assistance by the Librascope advisory team in helping Chop-A-Block become a successful JA company.

LIBRASCOPE ADVISORS for the year were Joe Fido, sales; Shelby Drucker, business; and Ralph Woodward, production. Alternates were Charles Blake, Earl Weinstein and Champ Vance.

With the liquidation of the Chop-A-Block company, Librascope completed its seventh consecutive year of JA sponsorship.

SOCIAL CLIMAX for the JA year were two events in which the students participated; an informal party May 22 and the county-wide JA "Future Unlimited" banquet at the Hollywood Palladium on May 25.

### Mexico Trip

A special meeting for Librascopers interested in the forthcoming vacation trip to Mexico has been scheduled for June 21 at the Griffith Manor Clubhouse on Flower Street, just south of Bldg A-01.

Eileen Brown, Precisioneer store manager, will conduct the meeting, which begins at 8 p.m., and announced the time will be spent explaining details and necessary preparations for the trip.

## Credit Union Hits New High In Membership

Membership in the Employees' Credit Union climbed to a record high of 3,047 at the end of March, an increase of 788 members in the past year, according to the first quarter statement just issued.

THE MEMBERSHIP increase was cited as another indication of the value of the CU to Librascope employees and their families, by George Yerkes, CU president.

"Librascopers are coming to realize that the credit union offers the best bargain available anywhere in low interest rates on loans and high dividends on savings," Yerkes declared. "With this combination it is only natural that more and more of us are taking advantage of the benefits the credit union offers. And, since every member of a Librascope family living at home is eligible for membership, we expect to grow even more."

OTHER FIGURES in the first quarter statement reveal that automobile loans to members are down almost 70%, as compared to the same period last year, while share loans have more than doubled. This indicates, Yerkes said, that members are increasingly prudent in their expenditures; share loans at 3/4 of one per cent, using shares as collateral, are a cheaper way of borrowing money to buy needed items, than the one per cent charged on unsecured loans.

Yerkes called upon all members to return their pass book audit statements, recently mailed to homes, without delay. The audit is required by law and provides members with an opportunity to compare their own records of their accounts with those of the credit union.

## Hachtel Joins Sub Contracts

James E. Hachtel, formerly procurement manager for Kearfott's Van Nuys Microwave Division, last month joined Librascope as Sub-Contracts Administration Supervisor, Glendale branch. He reports to W. E. Flanagan, branch Materiel Manager.

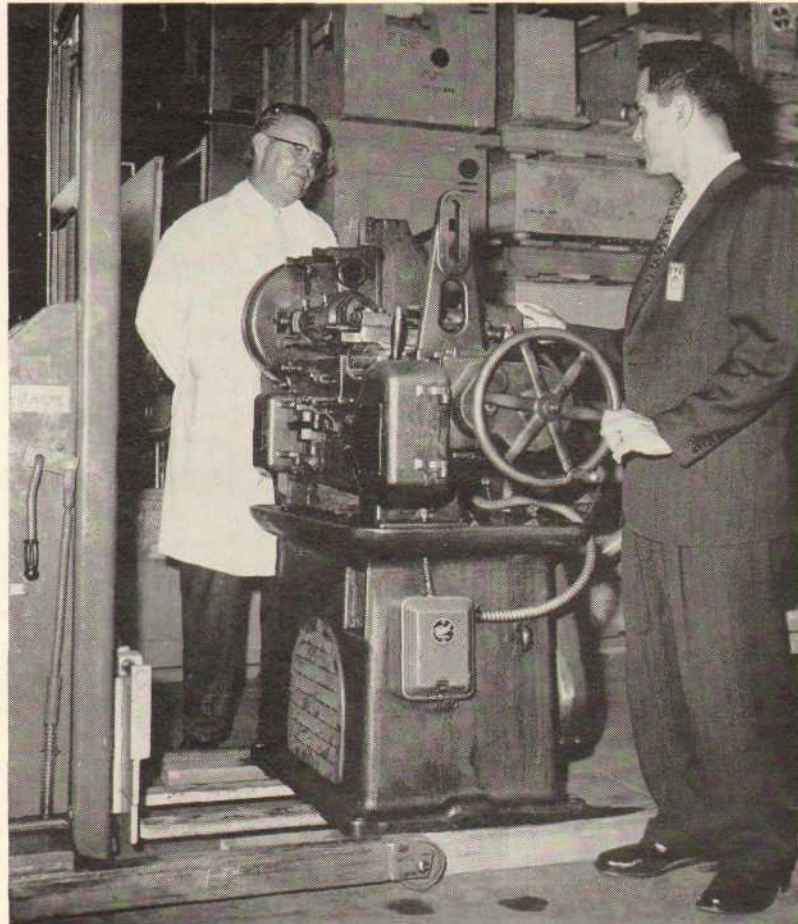
Prior to his GPI-Kearfott position, Hachtel spent nine years with Ryan Aeronautical and Electronics divisions as general supervisor, sub-contracts and outside manufacturing for both the San Diego and Torrance facilities.

Following a two year tour of duty with the Navy from 1945-47, Hachtel attended San Diego State College, majoring in mathematics and manufacturing management.

A native of Elgin, Ill., Hachtel, his wife Vivian and their two children, Cheryl and Mike, make their home in Canoga Park.



HOW IT WORKS—Industrial Engineer Jack Leighton (on right), explains "numerically controlled" Fostick Jig Borer to touring group of high school students, during recent annual Boys' Week observance. All of the students, incidentally, aren't suffering from faulty vision. Following Librascope safety practices, each visitor was outfitted with a pair of safety glasses while touring the shop areas.



SILENT AT LAST—Librascope's Capital Asset No. 1, a Barber Coleman Precision Gear Hobbing Machine, finally goes into retirement after 17 years of meeting production schedules for the company. D. L. Gorden (left), Production Warehouseman, and E. A. Barrios, Division Property Control Administrator, look over the old veteran in its final Librascope home, the Bldg A-04 warehouse, where the machine is up for public sale.

## Buying Rush On Seat Belts At \$4.98 Price

Sales of safety seat belts have boomed in the last month in the Precisioneer store at the Glendale branch, as safety-conscious Librascopers hastened to take advantage of the chance to make their cars safer to drive, and at bargain prices.

MANAGER EILEEN Brown reports that, as of the end of May, she had sold almost 150 belts in a 30-day period. "They used to be a slow-moving item," she told LIBRAZETTE, "but now they're one of the fastest-moving articles in stock."

Through special arrangements made by A. R. Pederson, supervisor of Employee Benefits and Services, and Safety Coordinator W. E. Hamrick, the Precisioneer store is able to offer the 6,000-pound test belts at \$4.98 each, complete with hardware. The same quality belt retails in many stores at anywhere from \$9 to \$12.

LIBRASCOPE AT the Sunnyvale, San Marcos, Solana Beach and Elmsford, N.Y., facilities may purchase the belts by mail by contacting their personnel supervisors. The price will be the same, \$4.98, plus 20¢ California Sales Tax for California buyers, and a nominal shipping charge.

## Elisha Gurfein Mil-Sales Rep At Huntsville

Elisha "Lee" Gurfein, former design and liaison engineer with the Ford Instrument division of Sperry-Rand Corp., has joined Librascope's military sales department as regional representative at Huntsville, Ala. He succeeds Coleman Goetz, resigned.

A graduate at 19 with a B/S in Mathematics from the College of the City of New York, Gurfein also spent a year in graduate study at New York University. While with Ford Instrument he was assigned to the Jupiter project, later to systems analysis at Ford's Huntsville location. As liaison engineer he represented Ford with the ABMA and NASA installations at Huntsville.

Gurfein, who is an Army reserve officer, also has served with the Navy as a civilian specialist during summer vacations from school. He probably is the youngest son ever to fly to the Air Force's farthest north base—at Thule, Greenland—as a high speed camera operator on a research mission.

Gurfein is unmarried and makes his home in Huntsville.



## Lee to Glendale Data Processing

Electro-mechanical engineer Terry E. Lee recently joined the Data Processing Section of the Glendale branch. He reports to J. L. Deitz, Director of Digital Engineering Services.

Lee was with Burroughs Electrodia Division in Pasadena, and Douglas Aircraft, Long Beach, prior to coming to Librascope.

A native of Topeka, Kan., he received his BSME degree from Kansas State University at Manhattan in 1959. During his school years, he worked at Bendix Aviation in Kansas City.





# 139 Librascopers Respond to Annual Blood Bank Call

As in the past eight years, Griffith Manor Park, adjacent to Bldg. A-01, was the site of Librascope's annual Blood Bank. And, as in all former years, Librascopers once again responded generously. By day's end, Blood Bank Chairman Fred Killips was able to report 139 pints of blood donated to Librascope's credit with the Red Cross.

The accompanying pictures (right), follow two Librascopers through the various stages of the life-giving donation. One of them, Aerospace staff assistant Jim Fallet, became a member of the "Gallon Club" with his eighth donation. The other, Adrienne Parrish of Glendale branch Labor Relations, was making her first donation.

## Message Center Answers Phone If You're Away

A new Telephone Message Center, a facility which will allow incoming customer calls to be for an employee who is away from his phone or without clerical services, went into operation last month for all Librascope buildings in the Glendale area.

The new service, which will also process inter-departmental phone messages, has been achieved without the addition of new personnel and without added cost, according to L. G. Cahill, Telecommunications Supervisor.

"We were able to combine the new service with two already existing operations," Cahill told LIBRAZETTE. "By adding this service to our Paging and Information facility in building I-03, and by utilizing the special messenger service afforded by Office Services, we have been able to achieve our program without the slightest additional cost."

Here is how the new Telephone Message Center works:

When an incoming call to a Librascope extension is not answered, the PBX operator asks the calling party if he would care to leave a message. If he does, she transfers the call to the Bldg 3 Message Center where it is recorded.

At 15-minute intervals after receiving the message, the Message Operator will make up to four attempts to contact the called party by telephone.

If the operator fails to contact the employee, the message will then be delivered, via Office Services' regularly scheduled messenger run, to the called party or his immediate supervisor. The messenger service makes four pickups each day from the Message Center for distribution in the Glendale complex.

In the case of an important inter-departmental call which is not answered, the calling party wishing to leave a message may then dial directly to the new Message Center—extension 2363.

## N.F. Marti Joins Applied Research

Norman F. Marti, formerly with Telecomputing Corp., joined the Applied Research staff last month as Applications Engineer, reporting to Director Wayne Blackburn.

In his new capacity, Marti will assist the group in working with the Branches and obtaining project support from various firms and government organizations.

During his ten years with Telecomputing, Marti was responsible for the establishment of the company's network of field offices and managed the Washington, D.C. sales office. He also served as manager of Material Control for two of the divisions.

A veteran of WW II, Marti spent his wartime duty as an electronic technician's mate in the Navy's submarine service. Following service discharge, he returned to school and received a B.A. in Zoology at USC. (He has since received a B.S. in Mathematics.) He then served 18 months as a research assistant at the Cedars of Lebanon Institute for Medical Research.

## Nico Borresen

Word was received as LIBRAZETTE went to press that Nico Borresen, retired Quality Control engineer, died June 2 at his home in Julian, Calif. He was 67 years old.

A native of Norway, Nico joined Librascope Feb. 25, 1947, spent 12 years as inspection foreman, adjuster, methods analyst, cost analyst, design engineer and quality control engineer. He retired July 3, 1959.

In his years with the company Nico made many friends and earned the respect of all with whom he worked. He is survived by his widow, a daughter, a grand-daughter, and by five sisters and brothers in Norway. Funeral services were held Monday, June 5.



Waiting Their Turn at the Librascope Blood Bank



Jim Fallet, a Familiar Customer



Adrienne Parrish's Physical Checkup



A Pint of Blood



... Adrienne's First



A Spot of Refreshment



Joining the 'Gallon Club'



Thank You, Come Again!



OVER THE HUMP—Harry Plunkett, Legal Department and Alex Melgun, Sub-Contracts Administration, register happy smiles—and rightfully so. They were both recently notified of having passed the California State Bar examination. In passing the exam, both new Counselors took advantage of the benefits offered by Librascope's Educational Refund Plan. Plunkett, a law graduate of Southwestern University, and Melgun, who completed his LLB at Western Reserve University, used ERP for a Bar Review course.



## Seven Additions to Growing Libravet Roster



Carol Sample  
Glendale



D. E. Roof  
Glendale



J. A. Mielkus  
Sunnyvale



Evelyn Moser  
Division



P. S. Waller  
Glendale



C. W. Brown  
Glendale



Judie Kerr  
Glendale

### Magnetics Group At Sunnyvale Expands Staff



Mitchel Pennington

Two new employees, George J. Mitchel and Murry S. Pennington, have joined the Sunnyvale branch, bringing with them a fund of experience to add to the comparatively new magnetics section under the direction of Hugh F. Warner, Sunnyvale Production manager.

MITCHEL JOINED the branch as Magnetics Shop Supervisor, heading up the 15-man operation. A veteran of the electronics industry, Mitchel has specialized in magnetic components production since the early 1940's. His recent assignments have been with Consolidated Electrodynamics, Corp., Pasadena, and Transonic, Inc., Bakersfield.

Presently in the process of moving from Bakersfield, the Mitchel family will relocate in the Santa Clara Valley.

PENNINGTON JOINED the Sunnyvale Branch Engineering Staff as Transformer Design Engineer. He has a background of more than ten years experience in design and production of magnetic components.

Formerly with the SIE division of Dresser Electronics, Houston, Tex., Pennington was responsible for design, documentation and production engineering of such items as power and impedance matching transformers, precision inductors, passive wave filters and magnetic amplifiers for use in static converters and inverters. His background also includes considerable experience in testing and test procedures and production supervision.

Pennington, his wife, Ellen, and two sons Alan and Stephan, now make their home in San Jose.

### New Aerospace Contracts

Contracts in excess of \$2,000,000 were awarded to the Aerospace branch during May, according to Branch Manager H. W. Norris. They embrace follow-on work on the Centaur space-vehicle computer, an application study for Cal-Tech's Jet Propulsion Lab, engineering services for the National Aeronautics and Space Administration (NASA), an ASN-24 computer and ground support equipment for a NATO nation and spares for an earlier CP-209 contract.

### NASA Receives Libratrol 500

The Libratrol 500 Computer Control System was shipped recently by the Burbank Branch to the Marshall Space Flight Center, Huntsville, Ala., for use on preflight checkout techniques for the Saturn space vehicle.

Using the '500,' the NASA Saturn team will simulate preflight checkout on the computer in an effort to reduce the time element and insure higher reliability in checking out the multi-engined vehicle with its attendant maze of mechanical and electrical equipment.

The system shipped to NASA's Huntsville facility includes a voltage-to-digital converter; commutator unit capable of handling 120 transducer signals; and a Flexowriter for interrogation, command input, and print out.

Programming and maintenance training for NASA personnel will be provided by the Burbank Branch.

### Precisioners Sponsor Solana Beach Bowlers

Sponsorship of a bowling team for the Solana Beach Librascope has been given unanimous approval by the Precisioner board of directors. The new team will be furnished with entry fee and blue and gold bowling shirts.

Commenting on the Solana Beach sponsorship, Louise Morton, Precisioner President, said: "Since the Precisioners is an employee organization, sponsoring employee activities, we are happy to add another group activity to our list."

Aerospace branchmen bowling in the Solana Bowl handicap league include: team captain Jerry Kammerer, Gene Wilkison, Steve Kinsinger, Don Burcher, Bill Wucherpennig and Bill Frye.

### "Librascope Newsreel" Is New Aid To Sales

The "Librascope Newsreel," a program designed to present company products under development or study to outside firms and agencies, has been developed for Librascope sales use by the Audio Visual Services group of Military Sales.

With no attempt to add "theatrical values," the Newsreel is filmed in the lab where the work is being conducted. An engineer working on the project presents an informal explanation of its function, how it works and summarizes the performance expected of the equipment when ready for marketing.

THE NEWSREEL program is aimed at keeping engineering and other interested personnel of outside companies informed on study, research and development at Librascope before products become shelf items.

"This type of preview information will place Librascope products in the design thinking of other companies, as well as provoke additional research and development efforts," said R. R. Williamson, Director of Military Sales. "These films will also serve as forerunners for future sales efforts."

But the newsreel is not a sales film, as such, L. B. Eisenhower, Audio Visual Supervisor, pointed

out. It is a filmed presentation of off-the-cuff comments and notes from one engineer to another. Through such a presentation, the work underway at Librascope can be seen and appraised throughout the industry.

TOPIC FOR the first Newsreel is the Passive Star Tracker, now under development in the Electro-Mechanical Equipment Section, Sunnyvale Branch. M. M. Birnbaum, Senior Engineer on the project discusses the Tracker's development and its possible applications. This initial five-minute film has already received wide distribution.

WRITTEN AND DIRECTED by Audio Visual staff members R. M. Duff and P. L. Strosnider, the Newsreels will be produced as time permits and as new and applicable subject matter is developed. Eventual plans call for a copy of each film to be placed in all of Librascope's field offices.

### VALUE . . .

(Continued from Page 1)

days involved preparing and writing the reports.

Engineers from Aerospace who took part in the study were: J. L. Cairns, Phillip DeGrazio, V. J. Lees, W. M. Niehaus, G. E. Pitt, Dennis Quan, W. D. Spray, J. A. Walker, and E. E. Fekerty.

From Glendale: V. C. Clark, C. J. Doolittle, D. W. Dunn, Tony Falco, C. C. Goldstein, M. H. Goldwater, P. M. Kreinbring, P. H. Lesperance, R. H. Price, and C. R. Linsley.

From Sunnyvale: R. P. Shea and J. V. Williams.

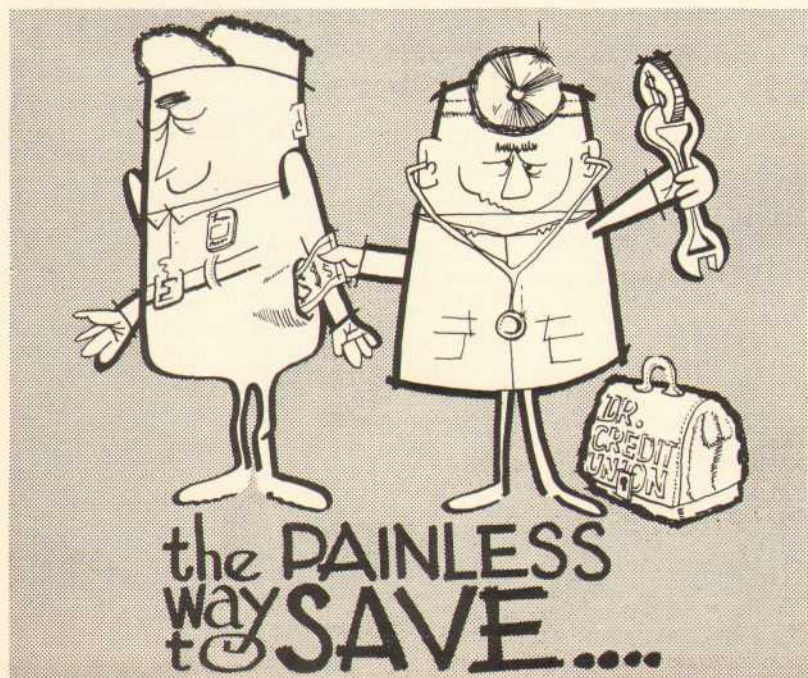
From Burbank: C. B. Slack and F. Kirr.

And from the Division: J. R. Drugan and J. F. Studdard.



LIBRASCOPE CHAMPS—The Hawaiian Eyes, Mixed 5 champions of Librascope's League 2, receive the championship trophy from Buck Nuzum (center), manager of the Grand Central Bowl. In a showdown rolloff, the "Eyes" took the measure of the League 1

champs, the Big Splits. On hand to receive the trophy from left to right are: Don Hersch, Assembly; team captain John Lincoln, Assembly; Nuzum; Rose Raymond, Eng. Library; and Dick Russell, Offices Services. Team's fifth member was Don Jones, Assembly.



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

First Class Mail