LIBRAZETTE

AN EXCHANGE OF NEWS AND KNOWLEDGE

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Appoint R. M. Brunson General Precision V-P

(GLENDALE) Robert M. Brunson, Librascope Senior Vice President, Planning and Marketing, has been tapped for a new post in the General Precision, Inc., organization.

BRUNSON

Brunson is now Senior Vice President, Western Region, General Precision, Inc. The newly-created position was established to give General Precision, Inc., "a more effective means of implementing its policies in the increasingly important West Coast market area," according to D. W. Smith, President of General Precision, Inc.

Functions of Brunson's Librascope operations have been assigned to Robert O. Vaughan, Vice President, Marketing, Surface Equipment Division, and Harold L. Hansen, Director, Planning and Marketing Administration.

In his new position Brunson will continue to operate from his offices in Bldg. 103, Glendale.

Sunnyvale to Link Group

Sunnyvale Ordnance Branch of the Computer Division, became part of the Link Group of General Precision, Inc., on June 29. It will operate under the control of Link's facility at Palo Alto.

Navy Equips SED Shop With New NC Machines

(GLENDALE) Two more pieces of numerically-controlled production machinery, supplied by the Navy, have been delivered to Librascope, as part of the Navy program to replace old equipment with new cost-saving devices.

A Fosdick boring mill, mate to the one in operation here for the past three years, has been installed in the special air-conditioned room in Bldg. 1. A new and larger model of the Burgmaster turret drill also has been installed.

Cost to the Navy of the Fosdick is $102,000 and the Burgmaster $60,000, according to Eloi Barrios, Government Property Administrator.

MACHINIST apprentice graduate Ben Sanders (C) is flanked by management, union and apprentice committee representatives in this photo taken following company luncheon in honor of Sanders' graduation from the apprentice program. L-R, Patrick O'Gorman, senior shop steward, Al Fonseca, chairman of the Joint Apprenticeship Program, Sanders, Harlan Buseth, Manager, SED Operations, and Dick Hardin, IAM business representative.

Late News....

The AN/FYQ-11 data processing set, designed and built by Librascope for the Air Force's 473L Command and Control Center in the Pentagon, has passed its Category I tests and has been accepted by the Air Force. George S. L. Kranz, Program Manager, said the acceptance was signed June 30, after an extensive reliability demonstration.

Librascope and IAM Discuss New Contract

(GLENDALE) Negotiations for a new labor contract covering production and maintenance employees of the Surface Equipment Division, are in the offing between Librascope and Precision Lodge 1600, District 94, Intn'l Ass'n of Machinists.

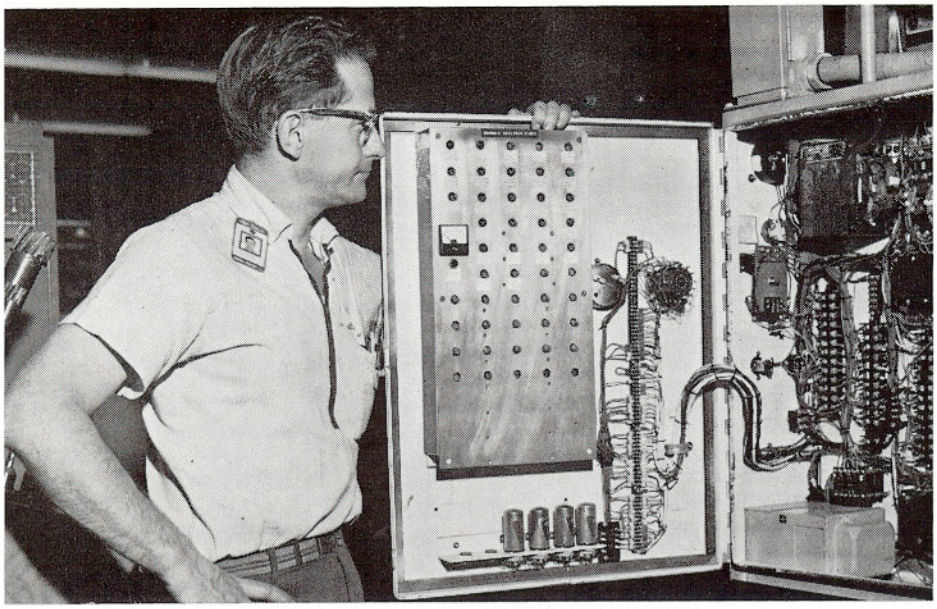
(As LIBRAZETTE went to press it was understood that the first meeting between bargaining unit and company representatives would be held early in July.)

The existing contract expires Aug. 31, and has been in force since Aug. 28, 1961.

Harlan Buseth, Manager, SED Operations, as he has for many years, will be chairman of Librascope's bargaining committee. Lloyd Somerfield, SED Production Superintendent, Ray R. McDonald, Librascope Director of Employee Relations and Tom Flaherty, SED Labor Relations Representative, are the other members.

Bargaining Unit committee members are:

Jerry Sikora, experimental machinist, Russ Grose, toolmaker, Wallace Miller, milling machinist, Patrick O'Gorman, turret lathe machinist and Sam Held, production wireman. Richard Harden, Business Representative of District #94, also is a member.



ALDEN + ANALYZER = LESS DOWN TIME

Lighted lamp spells trouble — and tells where it is.

John Alden Is Electronic "M.D." To Machine Shop's NC Machines

(GLENDALE) A device to pinpoint the source of malfunctions in the electronics of the complex numerically-controlled production machines in the SED machine shop, promises to cut costly "down-time" to a minimum.

The device, called a "trouble analyzer panel," was designed, built and installed on the Arrow milling machine by John G. Alden, of SED's electrical maintenance section.

Alden, who might be called the resident "electronic physician" to the machines, spends all his working time with them. Early in the game he discovered that it took far more time to locate the source of trouble than it took to correct it.

It followed that "Dr. Alden" needed a diagnostic tool he didn't have. Analysis of the problem determined that the tool should be something which would tie in with every circuit in each machine—and record the malfunction in visible fashion.

Long hours over the drawing board, at home and between repair jobs at work, produced a set of plans for the trouble analyzer panel, which Alden built from discarded material and "about $65. worth of purchased parts."

Now, when something goes wrong with the Arrow's electronic innards, Alden's first action is to flip open the panel's cover. If a light is on, that tells him there's trouble in the circuit to which it is connected and no time is lost checking out circuits not involved.

Alden, who has the enthusiastic support of Foreman Bill Donson and Supvr Pete Lauridsen, looks forward to the day when he can have all his machine family equipped with built-in trouble-diagnosing devices.

But not so that he can sit back and relax, but to give him time to work on another idea to keep the machines in full operation.

"These machines are marvelous. They do good work, they do it fast and they cut costs," Alden observes. "However, they could be more efficient. Imagine, for instance, a machine that not only can diagnose its own troubles—but correct them, too!

"Now that's a problem I'd really like to work on!"

LIBRAZETTE is published for all employees of Librascope Group, General Precision, Inc., to keep them informed about their organization's plans, policies, products and personnel. LIBRAZETTE is produced by the Communications section, Librascope Group, at 808 Western Avenue, Glendale 1, Calif.

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"It is not ignorance, but what a man thinks he knows, that does the damage."
—Josh Billings

Name Arthur Brown To Accounting Post

(GLENDALE) Arthur P. Brown, formerly Controller of Tele-Dynamics Division, American Bosch Arma Corp, Philadelphia, is the new Manager, Operations Accounting, in Librascope's finance department. He reports to A. L. Powers, Group Controller.

BROWN

Brown, who studied accounting and finance at Duquesne University, is well known in financial circles of west coast defense industry. He is a former controller of Adel Precision Products, Burbank, and Solar Aircraft Co., San Diego, and was administrative manager of Marquardt Corp's management services department.

Married and the father of six children, Brown makes his home in Reseda.

RETIRED gardener Mike Andruchowski continues to exercise his green thumb in the backyard garden of his home at 1614 Flower street, Glendale. Here he displays a giant sunflower, already turning to seed, which Mike will harvest and use in next year's planting. Dried seeds are a table delicacy, too.

Molivadas Citizenship

Greek-born Steve Molivadas, Director of Naval Systems Section, Research and Systems Center, has passed preliminary citizenship tests with flying colors. Art Pederson, Supvr of Employee Benefits and Services and Glen Seltzer, Employment Manager, appeared with him before the naturalization examiner in the Los Angeles federal building.

Launch Campaign To Market L-2010

(GLENDALE) Librascope's newest product—the L-2010 computer developed by SED Engineering—is being aggressively marketed in every segment of the economy, industrial and military, both here and abroad.

The L-2010 is a rugged, compact digital computer (it weighs 65 pounds and is about the size of a large electrical typewriter) suitable for field use by the military or industry. It is equally usable in office or engineering lab and is so designed that it can be mounted in a rack, stand free on an office floor, or be bolted down in the rear section of a Jeep.

First step in the expanded marketing effort was appointment of Aaron Mendoza, Jr., as marketing manager of the L-2010 program. He reports to Wes Niemond, Manager, Command and Logistics Systems.

As L-2010 marketing manager and as a marketing representative prior to that, Mendoza has traveled 43,000 miles in the U.S., Canada and Mexico in presenting the merits of the computer to potential customers. Applications engineers of SED Engineering have traveled to Sweden, Italy, France and Japan on the same mission.

"Introducing a new computer is the same as introducing any new product, whether your customers are business or military men," says Mendoza. "You've got to convince the customer that he needs your product.

"To do that you've got to learn the customer's problems and then show that your product will help solve those problems at a price he can afford to pay. That means you study the customer and then go and see him—wherever he may be."

Librascope has made two significant penetrations of the potential domestic and foreign markets with sales to the U.S. Navy Mine Defense Laboratory at Panama City, Fla., and to Breda Precision of Italy.

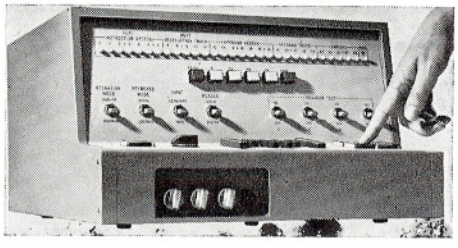
The Navy will experiment with the L-2010 as a navigation computer for minesweepers; Breda Precision is interested in potential artillery fire control applications of the computer.

"Our marketing effort, in which all members of the Librascope marketing staff are involved," Mendoza told LIBRAZETTE, "is strongly supported by our engineering organization. Grey Stone, of Advanced Projects, has made technical presentations in Japan, Sweden and Italy and writes all of our technical proposals.

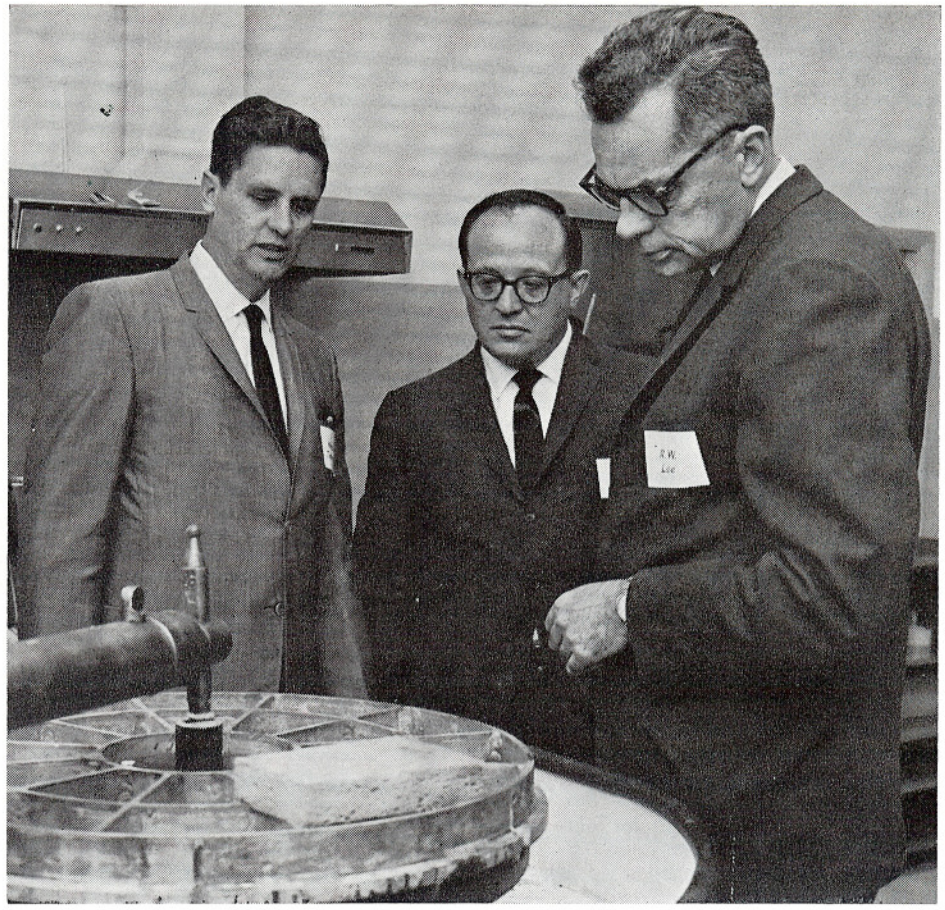
"A. J. Pankratz, of Design Engineering, has contributed to every special application proposal, by developing the necessary design changes. Bob Binz, Manager of the Analysis section, provides all proposal matter involving software. And in all working demonstrations, Marty Rudolph, Senior Electronic Engineering Associate, is the computer operator."

"It's the best performing machine of its kind on the market. It's small, which means you don't need a lot of room in which to use it. It's rugged, build to withstand 50 G's of shock. It's economical in price; it's reliable in operation and easy to maintain. It can operate, without special physical settings, in temperatures ranging from 32 degrees to 125 degrees Farenheit.

"And what's important with customer's who want quick delivery, we can put the computer in his hands within six months of order."



NEAT, COMPACT, L-2010 COMPUTER. Intensive marketing campaign is on.



WASHINGTON Engineering's recent "Open House," to present its new Rockville, Mr., facility to Department of Defense and other officials in the nation's capitol, found Librascope leaders on hand for the occasion. Here President R. W. Lee, (R) and SED Vice-Pres. and General Manager Maury Center, look over optical grinding device, as Manager Harold Timken, Jr., explains its operation.

Picnic Date: July 18

July 18 is the date and Soledad Sands Park is the location of the Annual Precisioneer Picnic, according to Kay Small and George Poppa, co-chairmen of the event.

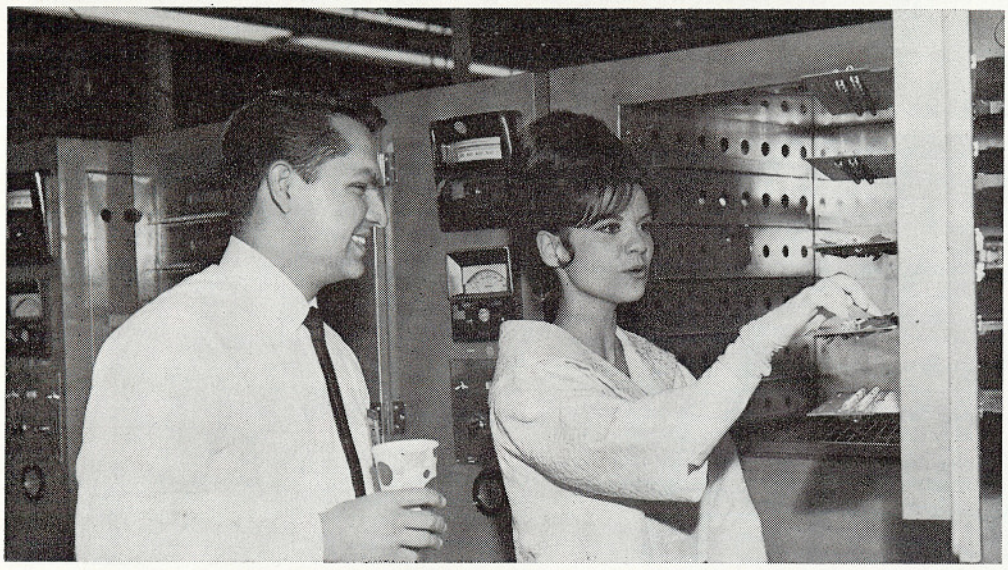
Festivities will start at 10 o'clock and wind up at 5:30. There'll be swimming, games, races, free rides, pop and cotton candy for the youngsters—and nickle beer for the grownups, plus music by Sammy Galindez and His Playboys.

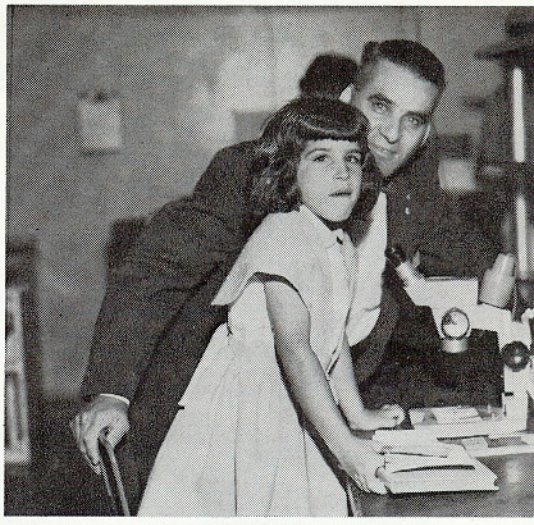
To get there take the Golden State Freeway, or any other route which leads to U.S. Highway 6. Turn off U.S. 6 at Soledad Junction and take Soledad Canyon Road to the park, which is about two miles west of Acton.

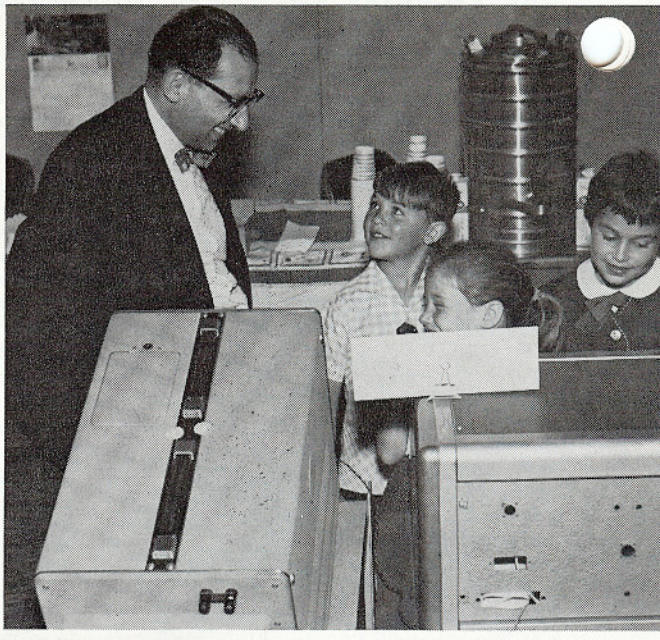
Metrology Lab Serves WESCON

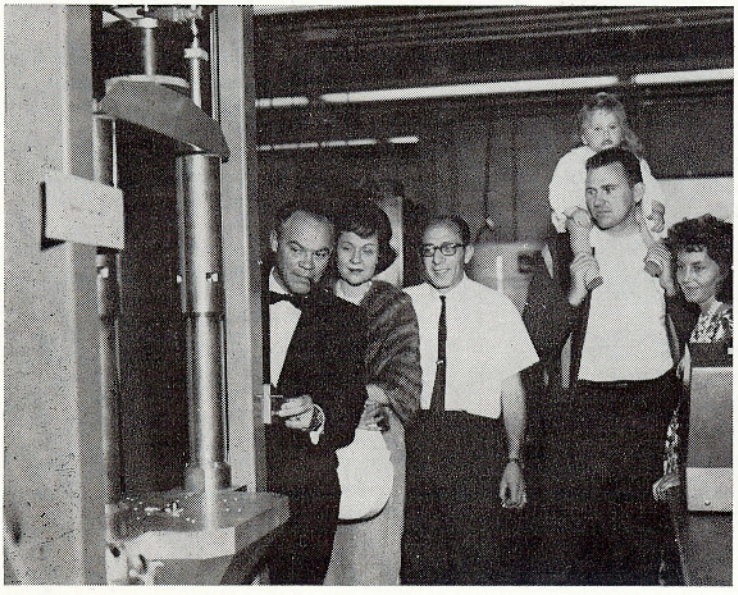
Librascope's Metrology Lab has been designated official metrology lab for the 1964 WESCON convention and show, to be held Aug 25-28, at the Sports Arena in Los Angeles, and Hollywood Park, in Inglewood.

RELIABILITY ASSURANCE OF









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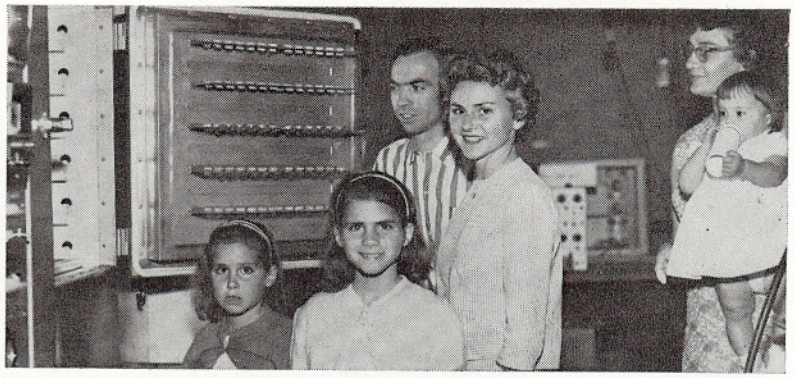
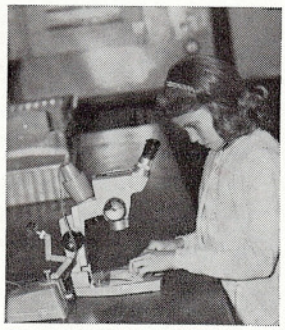




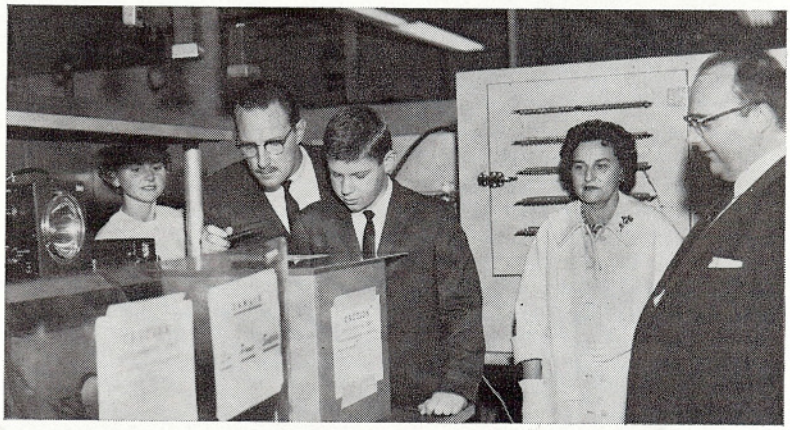
"WHAT do you do at work, Daddy?"

THE members of yesteryear's family all knew how the head of the house earned the money that supported the family. They knew because they had seen him at his job, which probably was only a block or two away. The relationship between work, earnings, food, shelter and clothing was well understood by the upcoming generation and did much to foster mutual respect and family solidarity.

IT'S pretty hard to see Dad at work today; he may be in a plant 25 miles away and, if he's in defense industry working behind security barriers. You just can't drop in on him. It takes special arrangements.

AT Librascope's Reliability Assurance Laboratory, these special arrangements were made June 19. The doors opened wide that evening and the Lab was thronged with wives, children, mothers, fathers, sisters and brothers.

WHEN they had seen all of the complex equipment (which Dad may have designed or helped build) and had watched Dad put the gear through its paces, they knew the answer to that oftheard question: "What does your Daddy do?"



WITH charts and detailed reports, Librascope Telecommunications Director Larry Cahill gives breakdown on telephone costs, which were almost $500,000 in 1963, to staff meeting in office of Maury Center, SED Vice-Pres. and General Manager. Costs will have to be brought down, say Center and R. W. Lee, Librascope President.

Talk Is Not Cheap; Phone Bill $500,000

(GLENDALE) Librascope's telephone bill for 1963 was the smallest for any year since 1959—but total telephone costs still were only a fraction under $500,000.

Both President R. W. Lee and Maury Center, Vice-Pres. and General Manager of SED, share the opinion of Larry Cahill, Librascope's Director of Telecommunications, as to why the costs are so high:

Uneconomical use of service;

Excess amounts of special telephone equipment.

Cahill reported on the economics of telephone use here at a recent staff meeting in Center's office, at the request of the SED head. He gave this breakdown of the $500,000 total:

Service and equipment rental charges —$116,000. Moving charges were $5,000.

Our bill for local calls (Los Angeles metropolitan area) was $50,000.

Our long distance bill, including the cost-saving Wide Area Telephone Service (WATS) was $140,000.

Salaries of operating personnel, fringe benefits, square foot charge for space to house our exchange, and other related costs exceeded $150,000.

And the Federal Excise Tax on our use of the telephone service was $28,000!

Department heads, Supervisors and individual users are the keys to making best use of telephone service, Cahill told the meeting.

"Management people with financial responsibility for their operations, can scrutinize their telephone bills, and thus be in a position to know when bills are too high in relation to department activity.

"Individual users can plan their long distance, suburban toll calls and even their local calls, to eliminate costly time-consuming practices."

In the area of special equipment, all department heads, working with Cahill, are reviewing the need for such special equipment as intercom lines, signal buttons, buzzers, key illumination and "hold" buttons.

We can save money in our use of telephone service by planning the call in advance, says Larry Cahill, Telecommunications Director.

"When placing a long distance call have all your notes and reference material at hand. Be ready to talk; stay at your desk until the operator reports back. And forget about the weather; you can't do anything about it, anyway!"

A typical three-line, three-telephone button system, as compared to three individual lines, can hike monthly equipment rental charges by more than $15. Installation charges for such a system total $33!

Detailed telephone-use procedures to bring about a reduction in telephone costs, will shortly be distributed by the Telecommunications Office to all telephone users, through their department heads.

Here Are Clues to Phone Cost Savings

Here are some figures on elements of telephone equipment costs and rates, as related by Telecommunications Director Larry Cahill.

Librascope pays a "line mileage" rental fee, on a monthly basis, for each line leading out from the exchange in Bldg. A17. The rates range from $1 per month for each line to an instrument in Bldg. A17, to $5 per month for a line ending in Bldg. A16.

It costs 15¢ for a three-minute call to Van Nuys; 50¢ if you talk for 10 minutes.

A three-minute talk with Washington, using Wide Area Telephone Service (WATS) lines, costs $1.08; it costs $7.20 for a 20-minute call to Tarrytown. Regular commercial rates are three times those figures. It pays to wait for a WATS line.

Food + Facts Produce Informed Employees

(GLENDALE) Combining lunch with learning, nineteen members of the SED Operations Dept. organization have been attending training sessions on "Understanding Military Specifications" during the noon hour in Bldg 03's Training Conference Room.

Conducted by Carl Cisco of Quality Assurance, the sessions covered "Quality Program Requirements," "Inspection System Requirements," and "Calibration System Requirements."

Those enrolled in the course were:

D. K. Barton, Wallace D. Racey, Harry M. Baldwin, George C. Manus, William S. Ryan, Dale B. Christensen, Alan LaRue, S. J. Baker, Warren B. Lebow, E. F. Claunch.

Also, Emery E. Fekety, Philip DeGrazio, N. E. Magnuson, J. W. Johnston, Larry Maynard, Don L. Cowen, Edward L. Packard, F. R. McCarthy and A. A. Villa.

European Market Has Big Potential For Librascope

The European military and industrial market has a huge potential for American products and Librascope is beginning to realize on its investment in establishing itself on the Continent.

That's the opinion of Milan Mraz, Librascope's Manager of European Operations, back in Glendale for a month's stay to confer with Marketing and Engineering.

"Our LGP-21 computer, built under license by a German electronics firm, is becoming well-established in the small computer market," Mraz told LIBRAZETTE. "Several firms are using it in process control applications, others find it functions well in scientific work.

"Our ASN-24 is a favorite with the French air ministry, which is using it mainly in aircraft development. And, of course, the LGP-30, now succeeded by the LGP-21, is in wide use in Europe, particularly in Germany."

Librascope's new L-2010 computer and L-3055 Data Processing System is attracting wide interest, Mraz says, particularly in military circles and prospects of adoption by several military services look "very promising."

Mraz, who covers all of Europe "this side of the Iron Curtain," is based in Paris. He and his wife, Mary, have an apartment in the Passy section on the newly-named Avenue de President Kennedy (formerly the Quai de Passy). It's midway between the Eiffel Tower and the Seine.

Wives of American representatives in Paris have a club and through its activities can take greater advantage of the city's cultural life than their husbands, Mraz says.

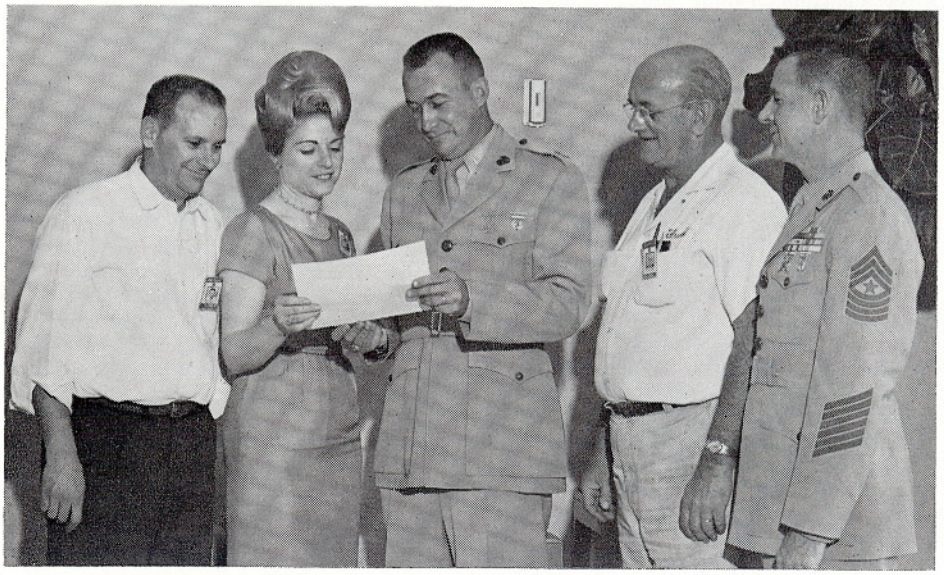
"They have the time to visit the museums, the art galleries, the theatres and concert halls (when not busy with housekeeping), because the husband usually is in Bonn, Stockholm, Rome, Berlin or London. Last year, for instance, I spent 28 weeks out of the 52 away from Paris."

Representing American business in Europe calls for a command of language. Mraz, born in Czechoslovakia, speaks his mother tongue, German, English and Russian and "communicates" in French.

English is pretty much the common language of business in all European countries, particularly with people in engineering, because so much of modern technology was developed in America or in England, Mraz says.

"And it's a funny thing about Russian. I never use it, except in Sweden. Up there the people are realistic, so they're studying Russian—and they try it out on me!"

THE EUROPEAN market has a good potential for Librascope products, Milan Mraz, (R) our resident representative in Paris, tells Marketing Vice-Pres. Robert O. Vaughan. (For more details, see story).



MARINE CORPS RESERVE showed its appreciation to Precisioneers for gift of toys to Marine's annual Christmas "Toys for Tots" campaign, with presentation of scroll. Chairman Jack Naimoli and Co-Chairman Lee Norvell of Precisioneer Xmas Party committee, Capt George Capwell, Precisioneer President Fred Killips and Sgt/Major J. M. Westerman, were captured by news camera in presentation ceremony.

NEW OFFICERS of the San Fernando Valley chapter, American Institute of Industrial Engineers, are Supvr. Dick Awbrey, (L) and Seymour Klein, of SED's Management Engineering section. Awbrey is 1st Vice-Pres. and Klein is a Director.

EDO Corp. Contract Ahead of Schedule

(GLENDALE) Production on the EDO Corporation subcontract for sonar subsystems, is on schedule or ahead of it and deliveries are being made ahead of schedule, says SED Program Manager Dick Potter, because of fine teamwork all along the line.

"Machine shop work, assembly, inspection, quality assurance, methods, engineering, are all first rate efforts," Potter told LIBRAZETTE. "I can't remember better performance in all my experience at Librascope."

Performance on this contract may well have a direct bearing upon the award of a new contract for an enlarged sonar subsystem which the Navy's Bureau of Weapons has put up for bid. Librascope has bid on the program and is awaiting Navy decision. Dollar value could run "into several millions," Potter said.

The servo subsystems are part of the AN/SQS-26-BX Sonar system, which links sonar detection apparatus with the MK 114 Fire Control System. As designed by Librascope engineers, the servo subsystem is completely contained on a door-like frame which is mounted into an AN/SQS-26-BX sonar system cabinet.

Functionally, the sonar sets provide tri-beam stabilization of the sonar signals, and control information readout and display cursors. They also update and correct sonar range bearings.

"The design reduces complexity in target detection and fire control hardware," Potter said, "and is a step in the eventual integration of sonar signal processing and fire control. For instance, our design uses only eight servos to accomplish what requires 20 servos in conventional sonar systems."

Librascope's long experience in the design and manufacture of fire control systems for the Navy, plus the experience gained in several sonar study contracts, has affected considerable economies for the company's oldest customer, Potter says.

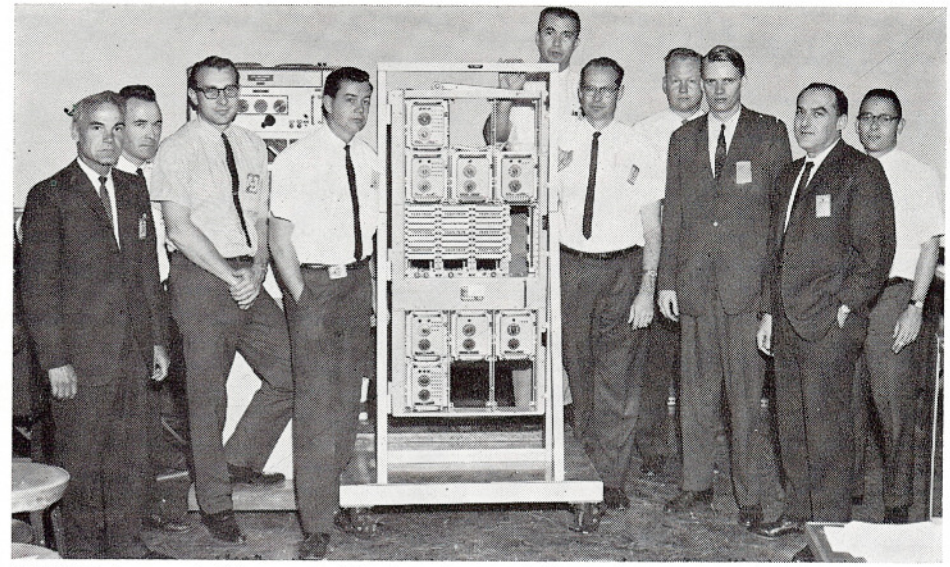
"About the same time we received a request to quote from EDO on the subsystem design, we also received another request to quote on design and manufacture of a stabilization computer.

"Study of the functional requirements set forth in the EDO and Navy requests convinced us that the two could be combined in one subsystem. That is what we proposed, and the demonstrated savings, in cost, in space on the ships and improved reliability through reduction of design complexity, resulted in Librascope getting the contract — rather than our competitor."

Members of the engineering team that produced the successful design, are Senior Staff Engineers Clare Burgis and Roy I. Case; Senior Engineer Ted Kolb; Jim Morris, electronic project engineer; Don Tubbs, mechanical project engineer; designer Arnold Peters and technician John Hill.

Over-all responsibility for manufacturing coordination is in the hands of Trent Albizati, production project coordinator. Ray Goodrich is the quality assurance engineer. Methodizing of machine shop and electronic assembly and processing is being handled by Methods Supvr. Ted Donley and methodsmen Fred Hodgkinson, Larry Hines and Virgil Clark.

Value Engineers Phil DeGrazio and Alan LaRue were brought into the project in the earliest stages of design, says Potter, and made significant contributions to producibility and cost savings.



HERE'S team of Librascope Engineering and Operations personnel and customer representatives responsible for "on-time" delivery schedule on the EDO sonar servo subsystems contract. From L-R: Trent Albizati, manufacturing coordinator, Ray Goodrich, quality control, Don Tubbs, John Hill, Ted Kolb, Jim Morris, Arnold Peters, of engineering, Bill Moan and Shep Parker, EDO representatives and Dick Potter, Program Manager.

Art Mestler Retires; With Firm 5½ Years

(GLENDALE) Arthur G. Mestler, a Librascope design draftsman since Jan. 21, 1959, retired July 1, six months after celebrating his 65th birthday.

Under provisions of the Librascope Hourly Employees Retirement Income Plan, Mr. Mestler received a lump-sum award of $1,253, in lieu of monthly retirement payments.

Many Librascope folk who did not have the privilege of knowing him, were beneficiaries of Mr. Mestler's skill as a watchmaker. For a number of years he handled all watch repairs for the Precisioneer store.

Mr. Mestler, graduate of the Rochester (N.Y.) Institute of Technology, was a member of the engineering group once known as Special Devices and now as Command and Control Engineering.

G. H. Klein Joins SED Engineering Managers

(GLENDALE) G. Harold "Harry" Klein, formerly Manager, Engineering Reliability Dept. of Thompson-Ramo-Wooldridge's computer division, is the new Manager of SED's Mechanical Engineering Section. He reports to Chief Engineer Jerry Dietz.

KLEIN

Klein studied electrical engineering at Cornell University, transferred to Cal-Berkeley, where he was awarded a BSEE degree in 1961 and an MSME degree in 1963. He currently is studying for a PhD at UCLA.

The new manager started his career as a designer with Sikorsky Aircraft in 1952, later was a project engineer for Robinson Technical Products in Santa Monica. He is a senior member of the IEEE, ASME, AAAS and the Acoustical Society of America, and a member of the National Society of Professional Engineers. He is a registered professional electrical and mechanical engineer in California.

"In daily life we never understand each other; neither complete clairvoyance nor complete confessional exists."

—E. M. Forster

JULY SHIPYARD GRADS OF MK 113 FCS COURSE

Hardaman, Connelley, Holmes, Torgerson, Love, Wilson, Taylor and Neville sorry to leave California. Bill Tilden, instructor, at rear, calls them "good students."

There's More Than One Way to Score

(GLENDALE) If your competition outbids you with the customer, design something else and sell him that.

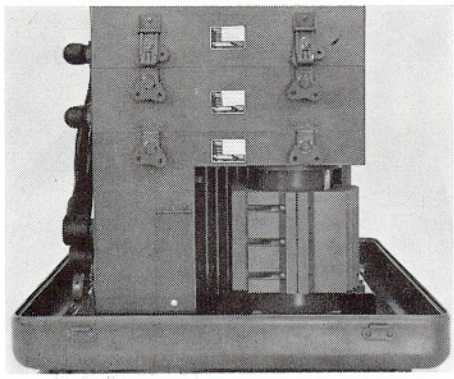
This is what SED Engineering did after it lost out—on price—to two other competitors for an Army contract to design and build the FADAC computer.

An engineering team led by Staff Engineer A. J. Pankratz, turned to and designed, under a development contract, what it knew was going to be a necessary adjunct to the FADAC—a tape memory unit to expand the computer's capacity to store information. As a result:

The Army's Frankford Arsenal has bought two of our tape systems (shipped in June), at a unit price slightly higher than the winning bid for the computer alone.

Another supplier to the Army has bought two more systems, for delivery in November.

And Librascope will be in a good position to bid on a competive production contract for several hundred systems, when formal request for quotation is made later this year.



FADAC TAPE MEMORY UNIT
SED is selling 'em.

Customer Training Graduates FCS Class

(GLENDALE) Every seven weeks SED's Customer Training Section says good-bye to a graduating class and welcomes a new group of Navy and civilian shipyard personnel, sent here to study maintenance of the Mk 113 Fire Control System.

July 2 saw the graduation of a group of seven, all civilians, who began their course in mid-May. It was an intensive affair of eight hour days and five-day weeks, totalling 280 hours of classroom and laboratory work.

The "lab work" was conducted on the checkout line in Bldg 17.

The July class is now scattered far and wide from coast to coast, back on duty at their shipyards. Its members: J. S. Hardaman, NUSWEC, Newport, Rhode Island; R. J. Connelly, Charleston, (S.C.) Naval Shipyard; J. R. Holmes, Newport News (Va.) Shipbuilding Corp; C. M. Torgerson, A. E. Taylor and C. V. Love, Puget Sound (Seattle-Tacoma) Naval Shipyard; and H. F. Neville, Jr., Portsmouth (N.H.) Naval Shipyard.

FROM THE ROSTRUM

Don Warren, Staff Engineer, Research and Systems Center, spoke on "High Speed Content Search in a Large Rotating Memory," at a recent seminar on search memories sponsored by the Institute of Electrical and Electronics Engineers.

Expand Tech'l Staff In SED Engineering

(GLENDALE) Expansion of the technical staff of Rotating Memories section of SED Engineering, by the addition of one engineer and two designers, is announced by Harry Anderson, Section Manager.

Senior Engineer **Ralph W. Furtney, Jr.,** is a returnee to the Librascope fold, who originally joined the company in 1959. He is a 1957 M/E graduate of Michigan State University, who also took postgraduate work at Cal-Berkeley. He currently is working toward an MSEE degree at USC and expects to graduate in 1965.

Senior Designer **Melvin C. Nelson** is a transferee from the engineering staff of CCD, who has been with the Librascope organization since 1954. With CCD he was a designer, design specialist and chief draftsman. He is a 1951 BS/E graduate of Cal Poly at San Luis Obispo.

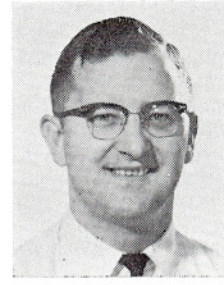
Senior Designer **James T. Strohm,** comes to Librascope from the Electronics Division of National Cash Register Corp., Hawthorne. He holds a BA/Econ degree from UCLA (1936) and the Diploma in Engineering from the University of Heidelberg, Germany (1938).

Senior Designer **Richard A. Korn** has returned to Librascope and has been assigned to the optical-mechanical design group headed by Supvr. Tom Miller in SED Engineering.

Korn originally joined the General Precision Equipment Corp. group of companies in 1953 as a member of the GPL engineering staff.

FURTNEY

NELSON



STROHM

KORN

From N.Y. to Van Nuys Was Nine Long Years

(GLENDALE) Twenty-eight year old Erwin Vodovoz reported for duty June 15 at Librascope's Metrology Laboratory, as an engineer on the staff of Manager Dave Harrison.

VODOVOZ

It was his first day of work as a professional engineer, a goal he had been working toward for nine years. He achieved it just a few days after graduating with a BSE degree from San Fernando State College.

Vodovoz, originally a New Yorker, started on the road to his profession by enrolling in Los Angeles Valley College in 1955. It took him four years to earn his Associate in Arts certificate, what with service in the Air Force and dropping out to take full time jobs to earn enough backlog to supplement his part-time job earnings during school terms.

Things moved faster in the past two years at San Fernando State College, because he acquired a full-time job in the college's Engineering Lab. With no breaks in his learning process, he graduated with his original class.

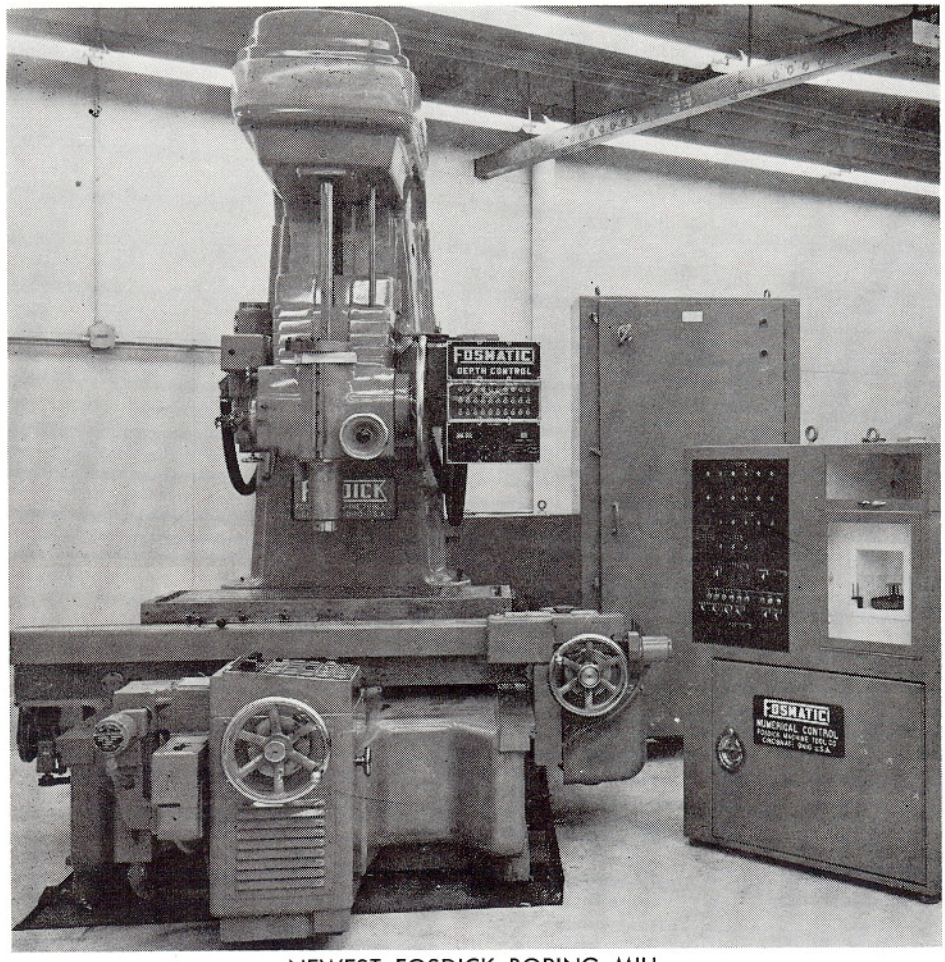
His practical work in the college lab, plus his college studies, made him an eminently qualified candidate for his job with Librascope, says Manager Harrison.

"Vodovoz is our staff engineer in charge of quality assurance. He will assist in our technical marketing effort, be in charge of personnel training, act as a consultant to our customers—and will handle many other engineering assignments as well."

For Vodovoz the educational process is not yet complete "and I doubt that it ever will be." He enrolls at San Fernando State this Fall in the Masters Program and will impart some of what he has learned to others as an instructor in night classes at the college.

Historical Documents Offered By Washington

(WASHINGTON) If you'd like to have reproductions of three of the nation's most treasured documents—The Bill of Rights, the Constitution and the Declaration of Independence—45 cents each will buy them for you. Printed on parchment, suitable for framing, they're obtainable—by money order only—from the General Services Administration, National Archives and Records Service, Washington 25, D.C.



NEWEST FOSDICK BORING MILL
Second numerically-controlled machine is installed in SED machine shop.

Ralph Singman Joins SED's Info Systems

(GLENDALE) Ralph Singman, systems consultant to Librascope for the past six years, has joined the company as Manager, Systems Applications, in the Information Systems Dept. of the Surface Equipment Division. He reports to Harry A. Keit, ISD Director.

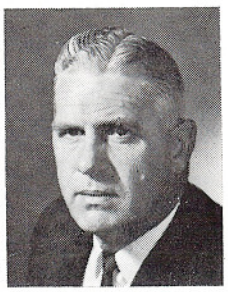
SINGMAN

Singman holds BSEE and MSEE degrees from Columbia University. Prior to organizing his own consulting firm, he was a member of the engineer staffs of Hughes Aircraft and the Univac Division of Sperry-Rand Corp.

He is a member of the Association for Computer Machinery and the Data Processing Management Ass'n and for the past several years has been a regular lecturer at UCLA.

Name W. E. Brown To Marketing Post

(GLENDALE) A former Marine Corps fighter pilot and radar officer—William E. Brown—is the newly-appointed Marketing Manager for Surface Weapons Systems in SED's Marketing Dept. He reports to Charley Buterbaugh, Marketing Manager for Shipboard Weapons Systems.



BROWN

Brown comes to Librascope from the Columbus Division of North American Aviation's Autonetics Division, where he was a Navy marketing specialist. Previously he was Regional Sales Manager for Norden-Ketay Corp. and National Sales Manager for Microdot, Inc. He is an engineering graduate (1950) of Iowa State University.

Married and the father of two, Brown makes his home in Fullerton.