

Expansion continues . . .

# New Buildings for Assembly, Engineering



LIBRASCOPE  
A GENERAL  
PRECISION  
COMPANY

AN EXCHANGE OF NEWS AND KNOWLEDGE

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## Blood Bank Score Hits Lowest Point In 8-Year History

For the first time in its eight-year history, Librascope's contribution to its blood bank account with the Red Cross has failed to meet its quota. Only 115 pints were contributed on the May 1 visit of the Bloodmobile and this is 15 pints less than Librascopers and their families used during 1958.

Commenting on this situation, Hal Snyder, chairman of the 1959 blood bank campaign, told LIBRAZETTE:

"All of us connected with the campaign are disappointed. We had expected to do much better, especially since we have been limited to only one bloodmobile visit this year. We felt that we would have a really big turnout to offset this."

Snyder said that 180 staffers had signed registration cards — but that only 131 reported to make their deposits — and of these 16 were temporarily rejected as donors because of recent illnesses or low blood counts.

"We don't know what happened to the 49 who failed to show up," Snyder said, "whether they changed their minds or just forgot."

The drive chairman said that the 49 and any others interested may make their deposits by visiting the Red Cross blood bank center in Glendale, the Los Angeles Health Center bank in Van Nuys, or the Central Red Cross bank in Los Angeles. Deposits will be credited to Librascope's account.

Elsewhere in this issue of LIBRAZETTE the names of all those who contributed to the drive are printed under the title "1958 Blood Bank Roll of Honor." As all who have had occasion to call upon the bank for aid in times of crisis know, it truly is a roll of honor.

## Mental Health Honors Aid Club For Campaign Gift

A new plaque honoring Librascope employees adorns the wall in the Personnel Dept reception room, as a result of Aid Club generosity to the Los Angeles Association for Mental Health.

The plaque was presented to Vern Mayclin, Aid Club president, by Margaret Whiting, well-known singer, in behalf of the association at a banquet in the Ambassador hotel last month. Other Librascopers present for the ceremony were Evelyn Robideau, Steve Jackman and Dave Briggs.

Last year the Aid Club allocated \$324 to the association to help finance the fight against mental illness. This year, reflecting increased concern over the problem, Librascope employees voted to increase the percentage of their contributions. As a result, Treasury Robideau this month will write a check for \$1,202.



LOOKING OVER plans for the new Production building on Sonora street, is this group of Librascopers very much involved in its planning and construction. L-R—Building Engineer Cliff Dahl; Assistant to the President Sid Briggs; Chief Layout Supervisor John Sexton and Ivan Franklin, staff industrial engineer. Final arrangements on land and building had just been completed when this picture was made—hence the broad smiles. (Earl Crawford photo)

## Nate Sands Named V-P by Library Group

Nate Sands, head of Librascope's technical library, was honored by his fellow professionals this month when he was named Vice President of the Southern California chapter of the Special Libraries association. And further honor will come to him next year when he will accede to the presidency of the organization.

A five year veteran with the company, Nate holds a Master's degree in library science from USC and a BA from UCLA. He formerly was on the staff of the library of Congress where, among other assignments, he helped analyze Hitler's personal library, captured by American troops and brought to this country after the war.

An Army combat veteran, too, Nate was lent to the London School of Economics toward the end of the war, to help establish a new cataloguing system. And while in England, he took special studies at the University of London.

Nate spent several years as a technical editor and writer with a Pasadena firm while taking his Master's degree, also served the Los Angeles Public Library in the science and technology division. He is married and the father of a four year old son.



## Tickets for Spring Dance Going Fast

Tickets for the Precisioners' annual spring dance, to be held May 30 at the Oakmont Country Club, were going fast as LIBRAZETTE went to press — and the raffle tickets were going even faster.

"Looks like we're going to have one of our biggest and best turnouts," said Precisioneer president Bob Garrett. "It also looks like we're going to make some money, which is a very nice thing indeed."

Dance tickets, available through committee members in each of the plant's buildings, are selling at \$2.50 per couple, \$1.25 for stags. The raffle tickets are 50 cents each, three for a dollar and there's an imposing list of prizes ranging downward from a portable TV set. Winners need not be present at the drawings, to be held at 12 noon, May 29, at the Precisioneer store.

Lex Golden, his orchestra and singers will provide the dance music and entertainment. Dress will be informal. The time: 9:00 PM to 1:00 A.M.

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

## Construction to Start Soon On Sonora, Rodier Street

Rumors about projected new buildings were translated into fact this month by announcement that construction would start soon on an 80,000 square foot Production division building. The site will be on Sonora street, just west of the Southern Pacific right-of-way. At the same time executive vice president Bill Bratton revealed that a 40,000 square foot structure would be built for Librascope in the Rodier street area, in back of Bldgs. 11 and 12. This building will be used entirely by Engineering.

The need for both structures originates in stepped-up activities of Tom Bryant's Shipboard Engineering department. That department will completely occupy the new engineering building. And production capacity of the Sonora street building, according to Harlan Buseth, Production Division manager, very likely will be devoted exclusively to Shipboard projects.

In recognition of an ever-increasing problem, unusual steps are being taken to provide parking at the Sonora street building. The entire roof will be a parking lot, with parkers moving on and off by ramps leading to the ground-level parking areas.

### One Story High

The structure will be one-story high and windowless except for the front entrance. It will be constructed of red brick in the same architectural style as Bldg. 3. Original plans called for reinforced concrete construction, with the walls being poured flat on the ground and then "tilted" into place with cranes. The switch to brick was dictated by a need for speed in construction, plus a desire to continue existing style. Brick structures also have a higher fire-resistance — and a lower insurance rate.

Use-plans for the new production building were started even before final plans were approved. Placement of machinery, locations of electrical power-supply, plumbing, layout of production lines, flow of parts were designated by a team composed of John Sexton, layout supervisor for Building Engineering, and Ivan Franklin, staff engineer in Industrial Engineering. They worked with the department heads involved to arrive at the final layout.

### Nov. Ready Date

Both new structures have November completion dates as hoped-for targets, but special measures are being taken to handle interim expansion of Shipboard operations. It is expected that the department will absorb all space in Bldg. 3 vacated by Airborne Engineering in its recent move to Rodier street, before the new building is ready; hence some 7-thousand square feet, to take care of the overflow, have been leased in the Commercial division building in Burbank.

Building Engineer Cliff Dahl, whose department has been working under forced draft to produce specifications and layouts for the new buildings, also has put the finishing touches on another job. The new 30-thousand square foot engineering and production building for the Precision Technology department in Sunnyvale is now under construction and PTD should move in about Aug. 15.

## April Hiring Here Hits New High

Total employment here continued its upward climb during April, as it has every month since last July. As of April 30, there were 2,487 persons on the payroll, up 179 over March.

Virtually every division and department registered a gain, with Manufacturing leading all others. A total of 2,179 are employed at the Glendale plant, 228 at the Commercial division in Burbank and 80 at the Precision Technology department in Livermore.

## Lynn Nesbitt Is New Nurse On Night Shift

Training Director Walt Sertic this month announced the appointment of Lynn Nesbitt, a graduate

nurse with extensive experience in industrial nursing, to take over the newly created position of Staff Nurse on the second shift.

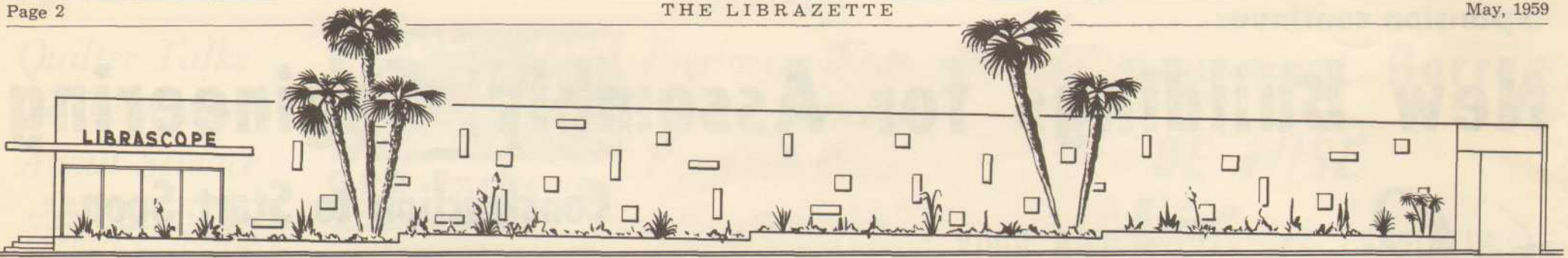
Miss Nesbitt, a native of New Richland, Minn., took her basic nursing training at Jewish Hospital, St. Louis, and postgraduate work at New York Hospital, New York City. She also has studied at UCLA and is only a few credits away from degrees of Bachelor of Arts and Bachelor of Science.

Now a resident of Sierra Madre, Miss Nesbitt has seen much of the world in her work. She was with the medical unit of ARAMCO which first opened up the Saudi Arabian fields, before, as she says, "they brought in air-conditioning to quell the 140-degree heat." She also served with Gulf Oil in Venezuela and at Gorgas Hospital, in the Panama Canal Zone.

In Southern California, Miss Nesbitt was on the nursing staff of Armour and Company, and North American Aviation, was a visiting nurse in Los Angeles and, just before joining Librascope, was stationed at the Sandia Corporation's Salton Sea Test Base.







A LONG, LOW silhouette, is what the new Production division building will present to the viewer looking westward from Sonora street. Its plain, functional exterior, will be relieved by decorative concrete studs placed at random, and cast as part of the wall. Decorative plantings are planned for the set-back area.

Except for plate glass in the reception room, the structure will be windowless — to insure that the air-conditioning works at peak efficiency. The parking area atop the

structure isn't indicated. Construction was to start late this month and building completed some time in November. It's 80-thousand square feet will make it Librascope's largest building, exceeding Bldg 1's 64-thousand, and Bldg 3's 53-thousand.

This rendering is by Publication artist Joe Pardo, from an architectural design drawing by Jerry Palmer of the Bldg-Eng Staff.

## Production, Engineering, Promote Six

Ever-continuing company expansion and recognition of merit brought promotions to six men in Engineering, Publications and production this month.

**Dwight E. Roof**, Ship-Eng, was advanced from senior engineer to project engineer. Practically a home-grown product of Librascope, Roof started here as a part-time draftsman, working evening hours, Saturdays and summer vacations, while in his junior year at USC's school of engineering. He joined the staff full-time as a junior engineer in 1956 and obtained his degree six months later. He has taken graduate work since.



Roof worked on the RAT project as a junior, was switched to a study phase of ASROC when appointed engineer, shifted to SUBROC when he achieved senior engineer status. As a project engineer he has charge of a group under Arnold Larson, working on a SUBROC analog computer project. He is married, the father of three children and lives in La Canada.

**Charles (Chuck) Gonia**, editor-in-chief of Phil Heiner's publications section for the past year, has been named a staff engineer in Ship-Eng.



Gonia, who achieves five-year Libravet status next month, is a graduate of the U.S. Naval Academy and had seven years' active service before resigning to join Librascope. He saw sea duty aboard destroyers and also had a tour of duty as a Naval ROTC instructor at the University of Nebraska.

Gonia started here as a technical writer and became a supervisor of technical editors before appointment as editor-in-chief. Ship-board twice-borrowed him to work on study phases of the X-2 and SUBROC projects.

Gonia is married to the former Miss Luize Politis, who twice had to flee from her native Latvia, during the Nazi German and Russian invasions. They are the parents of Betsy, who is five, and live in Burbank.

**Paul Kane**, commercial artist on Art Director Keith Kinnaird's staff in Publications, has been appointed supervisor of art services. Kane started with Librascope seven years ago as an assistant technical illustrator, has been advancing steadily ever since. An accomplished water-colorist, Kane has been exhibited in a number of shows and his work has won prizes in the TIMA (Technical Illustrators' Management association) shows.



Kane attended Glendale College and the Allied Art School in Glendale. He is married, the father of two girls and a boy (see New Arrivals) and lives in Burbank.



**Pete Maimone**, commercial artist in Publications, also was named an art services supervisor this month. Now in his sixth year with Librascope, Maimone came here as a technical illustrator from the Starnes Publishing house in Pasadena, "alma mater" of artist Andy Cook, librarian Nate Sands and assistant publicity director Joe Mesch.

Maimone attended Los Angeles City College, and studied four years at Los Angeles' famed Chouinard Art Institute. He also has won TIMA prizes. He makes his home in Alhambra, is married and the father of four youngsters, Joan, 10; Marc, 7; Peter, 3; and Gina, 2.

**Leon Paluba**, Assembly, a six-year Librascope veteran, was promoted from leadman to foreman by General Foreman Trent Albizati. He has charge of assembling the intricate converters and integrators used in our digital and analog computers.



Paluba was born in Koson, Poland, was brought to the U.S. as a child of six by his parents, who fled their homeland when it was invaded by Communist Russia after World War I. He got his schooling in Ithaca, N.Y., lived for a while in Boston, came to California in the early '30s. Prior to joining Librascope he was in charge of instrumentation for United Geophysical and Consolidated Electrodynamics in Pasadena, specializing in seismometers and seismographs.

Paluba also served with Cal-Tech, as part of the technical support team of the world-famous seismological laboratory of Dr. Charles Richter, and built many of the instruments used in earthquake research. He installed the earthquake strain test equipment used in the experimental station at Mount Palomar.

Paluba is married and the father of two sons, 17-year old Howard, a freshman pre-med student at USC, and 10-year old Mike. The Palubas make their home in Sepulveda.



**Jack Bareis**, Assembly, was promoted from lead wireman to Foreman by General Foreman Carl Culver, Jr. He has charge of all mechanical and electronic assembly on the second shift.

Bareis, who served seven years in the Coast Guard, came to Librascope in March, 1958, after several years with CEC in Pasadena. He is a native of Louisville, Ky., but lived for several years in Brooklyn. While in the Coast Guard he handled electronic gear aboard various vessels, took part in one Byrd arctic expedition (an attempt to sail the Northwest Passage) in 1949. Much of his service was aboard North Atlantic weather ships, "chasing icebergs." He has had his fill of cold weather and is now a confirmed Californian.

Bareis and his wife, Helen, are the parents of a five year old daughter, Mary Margaret. They live in the Baldwin Hills section of Los Angeles.

## Name Roy Pool As New Eng-Adm Wage-Salary Aide

Roy L. Pool, formerly of Northrop Aircraft, joined the Eng-Adm staff this month as assistant to Ray McDonald, wage and salary administrator for engineering.

Pool's appointment, according to Bill McAboy, chief engineer Eng-Adm, fills a need to keep abreast of current wage and salary circumstances, and to anticipate and prepare for future developments. Initially, Pool will devote considerable time to preparing adequate job descriptions for salaried positions not previously covered. He also will update the few now in existence.

A native of Big Springs, Texas, Pool is a graduate of Texas Technical College at Lubbock, where he majored in Industrial Management. While attending college he held down full-time jobs in various local industries and was a senior draftsman with Lubbock Power and Light when he graduated. He joined Northrop as soon as he got his sheepskin and spent two years there as an engineering salary administrator.



Pool is a four-year Air Force veteran, serving from 1950-54 in Europe. His major assignment was in personnel security clearance with Headquarters, Allied Air Forces, Central Europe, at Fontainebleau, France.

He is married to the former Miss Annette George of Torrance and is the father of a two month old son, Ted Alan. The Pools make their home in Torrance.

## Offer \$100 Prize In Essay Contest

Librascope employees are invited to enter the \$100 prize essay contest on "Why Employers Should Hire Apprentices," sponsored by the Los Angeles Labor-Management Apprenticeship Council. Anyone who is now an apprentice, or who has ever been an apprentice, is eligible to enter. Application forms may be obtained from Joe Schwarz, training coordinator, Bldg 5.

## Plan Special College Course For Industrial-Eng Staffers

Twenty key individuals in the newly-created Industrial Engineering department of the Production Division, will be going to college this Fall, in a uniquely designed course of study which aims to equip them to better handle their new and future work assignments.

The course will be conducted by William Girouard of the University of Southern California Industrial Engineering department, and will be specifically designed to meet Librascope's needs. In a somewhat radical departure from usual academic practice, Girouard will design his course and prepare his study material by serving a special "internship" this summer on the Industrial Engineering staff.

Girouard will function as a problem aide to George Clark, manager of Ind-Eng, who conceived the idea of the course. Consultations with Walt Sertic, training director and Joe Schwartz, training coordinator, who negotiated arrangements with USC, resulted in the program.

"We think we are going to have something unique in the way of special education," Clark told LIBRAZETTE, "something that will be of particular value to the department and to Production as a whole. Certainly it will be a down-to-earth proposition, in which theory and practical application will be equally blended to produce a designed end product. And that end product will be a trained Industrial Engineer, equipped to cope with present problems and the problems facing us in the future."

Clark has designated staff industrial engineer Harvey Smith as liaison officer between management, the training department and Girouard. Smith views the course as being likely to produce many side benefits, while attaining its main objective.



"We will be providing professional training for people who will make good use of it," he said, "and both the company and they will reap immediate benefits. But I don't think it is far-fetched to say that we also will be training leadership to assume responsibilities which continuing expansion is bound to force upon

us. Our graduates will be a reservoir of talent for the future."

As tentatively planned, the course will be offered one night a week, from 6:30 to 10 o'clock, on the Librascope "campus." Length of the course has not yet been determined, but George Clark is sure of one thing even before the program gets under way.

"Our training program won't end with this course. It will be repeated for a new crop of people, and there'll be other, more advanced courses for the graduates. In fact, I think formal education will be a continuing thing. Librascope wants to give its own people first crack at every job opportunity and is willing to help them prepare for it."

## Name J. W. Murray New GPE Chairman; D. W. Smith, Pres.

Important top-level changes in management of General Precision Corporation, Librascope's parent company, were announced this month.

James W. Murray, president of General Precision Laboratory, Inc., (GPL) has been named chairman of the board and chief executive officer. He succeeds Herman G. Place, who has been elected founder-chairman. Mr. Place will continue to be active in the corporation's affairs.

D. W. Smith, president of Kearfott Company, Inc., (KC), formerly a GPE vice president, was elected president, succeeding Edward A. Link. Mr. Link will continue as a director of the corporation, chairman of Link Aviation, Inc., and as director of GPE's avionics programs.

Lewis W. Imm, Librascope's president, continues as a GPE vice president, and all other officers remain unchanged.



BUDGET TIME early this month, found groups like this busy with pencil, paper and adding machine, figuring out their needs for the next 14 months. In Production, the camera found, l-r, Supervisor Ken Donley, Mech-Methods; Group Leader Velma Colton and Supervisor John Della, Tool Design and Foreman Caesar Goldstein, Tool Room, trying to meet their deadline.

(Earl Crawford photo)



# BREAK-THROUGH INTO THE WORLD OF SILENCE



Dr. Ciwa Griffiths, Executive Director, HEAR Foundation.

A year and a half ago some 600 Librascope employees decided to forego the pleasure of sending Christmas cards to their friends in the organization. Instead, they gave the money they would have spent for cards and postage to a special charity fund. The total amounted to \$1,634.89 and the committee turned it over to the HEAR Foundation of Los Angeles, to use in its work of bringing the miracle of hearing and speech to deaf children.

This is the story of what happened to the money. It also is the story of the selfless devotion of Librascope engineer Leonard Ludwigsen, who transformed his fellow employees' gift into an electronic marvel which the Foundation's director — Dr. Ciwa Griffiths — uses to test the hearing of its young charges. After testing, the foundation equips the children with hearing aids.

Conservatively, the device which Leonard has designed and built is worth at least \$10,000, if you could put a price on the talent, goodwill and hundreds of hours he has spent on the project. Dr. Griffiths says the device has no counterpart anywhere else in the United States.

Leonard came into the picture when the committee suggested that his technical knowledge of the audio field would help Dr. Griffiths in selecting needed testing equipment. As it turned out, Ludwigsen virtually became a member of the Foundation's staff in his evening and weekend hours.



Leonard Ludwigsen, Librascope Engineer.



Candy Kriete, at the age of 10 months. After two years, she no longer needs her hearing aids, is going to nursery school.



Sue McDowell listens to phonograph wearing her hearing aids. She's the daughter of Jon McDowell, Model Shop machinist.



Dr. Griffith tests hearing of infant in crib with device built by Leonard Ludwigsen.



Instructor Lou Clarkson and Sue McDowell in sound-proof testing room, checking Sue's response to sound from loud-speakers on ceiling.



Instructor Clarkson pushes microphone toward Sue, to get child's vocal response to loudspeaker sound and feel of toy.

This audio expert of many years' standing (he installed some of the first talking movie equipment in Chicago theatres) surveyed equipment available on the market, and learned that our gift wouldn't go very far. He also determined that what was available could not perform the work that Dr. Griffiths wanted it to do. He decided to design — and build — the testing device himself.

Then followed many hours and days of off-duty work, spent in study of the problem at the HEAR Foundation's headquarters in the Eagle Rock section of Los Angeles. (How to properly test a child's level of hearing with hearing-aids on, with hearing aids off? What kind of sounds to use? At what level or frequency? And a host of others.) He watched the children and Dr. Griffiths as she worked with them, observed how she had to turn her back when she spoke, in order that they might not unconsciously read her lips — and thus ruin the test. He read up on the phenomena of sound to learn what he didn't already know.

Out of all this came a basic design which, in true engineer fashion, he "bread-boarded", carrying it back and forth from his home laboratory to the Foundation for many months to come. It was tried out in every conceivable situation and under varying conditions before the design was "frozen." And then he designed a studio in which the youngsters could be tested without Dr. Griffiths being present, to eliminate the lip-reading factor.



Dr. Griffiths controls sound from Ludwigsen console, as it feeds from tape-recorder into testing room's loud-speakers.

The major portion of the project is now complete and is housed in a handsome console outside the testing room. It's not entirely complete — what engineer is ever satisfied? — but it will be when Leonard finishes a special instrument to evaluate the efficiency of the hearing aids.

Leonard also has built a special device to test very young infants, because Dr. Griffiths believes that if hearing aids can be placed on a child as young as three weeks, it can learn to speak in normal fashion in the same way other children do.

"Children learn to talk by hearing other humans talk," Dr. Griffiths asserts. "If we can make it possible for them to hear right from the beginning, they will never know what it means to be deaf. In fact, they won't be deaf and the speech problem will never arise."

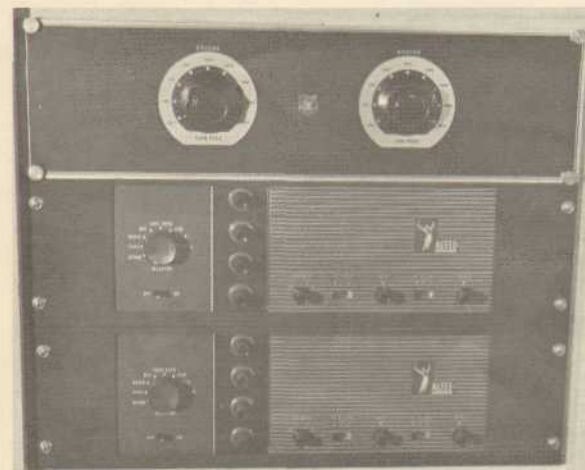
At least one of Librascope's "own" has benefited to a wholly unexpected degree by the Foundation's efforts. Candy Kriete, the not-quite-three daughter of a former employee, Gerda Kriete, was brought to the Foundation at the age of 10 weeks. Dr. Griffiths promptly prescribed hearing aids. Today, Candy is a regular pupil in a nursery school for normal, unaffected children. And she no longer wears hearing aids!

"Four out of five youngsters who were brought to us before they were six months old,"

says Dr. Griffiths, "no longer need to wear their aids. The youngest is three, the oldest is seven. All are going to regular schools and are doing very well."

"We are not a medical group, so we do not know the reason for this. We can theorize that the child's latent hearing ability is stimulated by the sound the hearing aid brings in. But of this we can't be sure," Dr. Griffiths says. "It will take long study and observation of a very great number of children, by competent medical people, to prove, or disprove this theory."

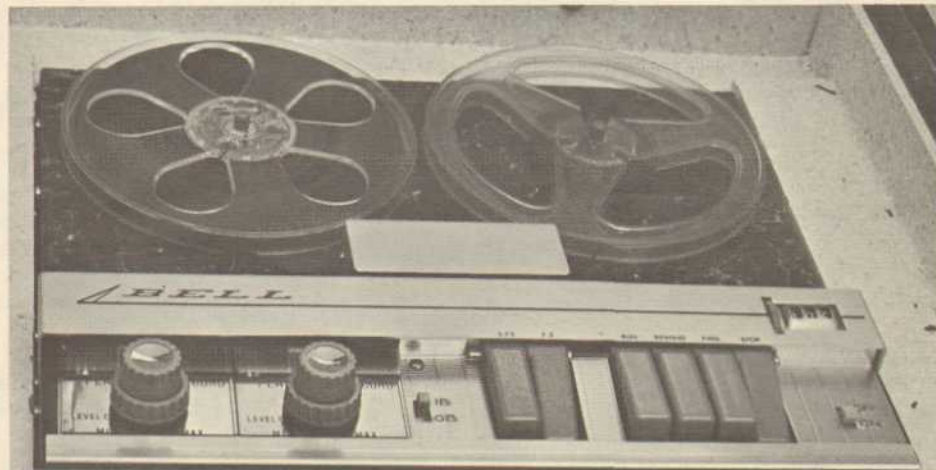
Right now another Librascope child, 2½ year old Sue McDowell, is enrolled at the Foundation and is showing remarkable improvement. The daughter of Jon McDowell of the Model Shop, Sue has been deaf since birth. She was a very quiet, withdrawn child, had never uttered a sound other than unintelligible childish prattle — that is, until the McDowells took her to the Foundation. Says Jon: "A very wonderful change has taken place in Candy in the two months since we went to the Foundation. Her whole personality has changed. She's full of fun, very active and happy all day long. She can hear us and responds very well. And she can say 'Daddy' and 'Mommy' and 'NO!' in a way anybody can recognize."



Filters and amplifiers in console control sound volume, cut-in or cut-out the highs and lows.



This oscillator varies the pitch of the sound, is also used to check child's hearing aid.



Tape recorder and player feeds specially recorded material into amplifiers, then to loud speakers in testing room. With child unable to see person talking, there's no chance that she understands by reading lips.





**SPECIAL DEVICES'** open house on April 26, drew crowds of friends, visitors and staff-members' families who had never been in the plant before. At left, engineer Wes Stupar explains the Flexi-writer, at the output end of the ATC data processor. In center photo, Chief Engineer Les Bentley wel-



comes staffer John Mielkuss and family. From left to right, Les, John, staff military advisor Bob Clark and Mrs. Mielkuss, holding young Stephen. In front, Linda, Valerie and Catherine. At right, engineer Bill Wilson describes to two



young ladies what the electron counter and square wave generator do in the complex process of computer design. Now, if Bill will just explain square root to a 14-year old high-schooler . . . (Lee Duggan photos)



**THE RED CROSS** bloodmobile visited Librascope May 1 and set up shop in the park adjacent to Bldg. 1. In the left hand photograph, drive chairman Hal Snyder, Eng-Adm, chats with Mrs. Elmer C. Thomas, Glendale Red Cross chapter official.



In center photo, Bob Megee, Acctg, having successfully passed the preliminary tests, makes his contribution to Librascope's blood bank account. At right, relaxing with coffee and rolls after making their contributions, is this group. From left



to right: Dave Henton, Elec-Assembly; Keith Swab, Model Shop; Jack Cruz and Bernard Battistessa, jig-bore shop; Maurice Goldwater, Final Adjustment, and Rae-Ann Tanguay, Prod, sit across from them. (Earl Crawford photos)

## Special Devices Open House Draws Crowd

Upwards of 400 staffers, their families and friends thronged Special Devices' new building on Rodier street for the department's open house last month. For many wives and youngsters, it was the first opportunity to see "the place where daddy works" and get an idea of what the breadwinner does to earn the family's living. They seemed to enjoy the experience.

Chief Engineer Les Bentley was on hand at the entrance to personally welcome each visitor. A staff of hosts, composed of Spec-Dev men organized by Bob Clark, staff military advisor, took the visitors on guided tours of the building. In each department the host, or a technical expert stationed there, explained the work and how it is carried out. A motion picture report on Librascope's over-all operation was shown in one of the conference rooms.

Center of attention on the tour was the marvelously complex Air Traffic Control computer and data processing center, which Special Devices designed and is building for the Federal Airways Administration, through GPL, prime contractor. One wife, seeing the maze of wires, circuit boards and other parts of the machine's innards, was heard to say:

"This explains some of the headaches that my husband brings home with him!"

Coffee for the adults, orange juice, soft drinks and cookies for the youngsters, were provided at a refreshment bar set up by Bob Bruce, Librascope's staff caterer. He had no leftovers.

## 1959 Blood Bank Roll of Honor

Donna R. Anderson  
Raymond L. Andrews  
Fred M. Ankrom  
Nelda Ann Arata  
James J. Arena  
Angeline F. Argentina  
Thomas Badillo  
Charles C. Bailey  
Robert B. Baile  
Carlton B. Baker, Jr.  
Roy D. Bartome  
Berward V. Battistessa  
Owen B. Beaudin  
Horace J. Benoit  
Helen P. Benson  
Jack A. Bonskowski  
Crystal I. Bowhay  
Frank G. Bowling  
Herman Brosch  
William F. Buchanan

George J. Burg  
Jesse A. Burr  
Kenneth D. Burton  
Bette J. Busch  
Harlan Buseth  
Robert C. Cassell  
James R. Cawthorne, Jr.  
Philip Cohen  
George A. Connell, Jr.  
Robert S. Cottrell  
Earl H. Crawford  
Jack H. Cruz  
Harold Davis  
Donovan F. Day  
Juanita K. Delle Fave  
Ralph B. Delle Fave  
Gordon G. Dill  
Richard E. Dodd  
Carl J. Doolittle  
Warren R. Eisenberg

Burns C. Ewing  
James E. Fairchild  
Joe Fido  
Charles E. Flickinger, Jr.  
Herbert J. Frankenberg  
James P. Gahagan  
Truman D. Gee  
Ernest J. Gogolya  
William Greer  
Robert L. Gruber  
Albert F. Haber  
Frederick T. Hays  
Edwin D. Heminger  
David E. Henton  
Sally P. Hurwin  
Gerald R. Jacobs  
Eleanor M. Johnson  
LeRoy M. Johnson  
Gladys Kaiser  
John A. Kavillis

Marjorie E. Kelleher  
Frederick J. Killips  
Maurice Kimmel  
Douglas S. Kirby, Jr.  
Janice M. Laporchio  
Clarence R. Linsley  
Paul Litvinoff  
Mary C. Luke  
Edward M. Lyneis  
Richard J. Martin  
Vernon E. Mayclin  
Richard F. McClain  
Lawrence McClanahan  
Robert W. McClendon  
Charles A. McCluthan  
Charles W. McKallor  
Robert L. Megee  
Lois A. Miller  
Evelyn C. Moser  
James J. Murphy

Ellsworth D. Newman  
William E. Newman  
Daniel Novelli  
Basilio Pagliuca  
Elizabeth M. Paradise  
John P. Phillips  
Wallace H. Robinson  
Philip L. Rousseau  
William S. Ryan  
Manuel J. Salvador, Jr.  
Alfred W. Sanborn  
Eric Self  
Gilbert J. Sepulveda  
John J. Sexton  
Bruce L. Shearer  
Robert M. Shoemaker  
Eugene Show  
Robert R. Smith  
Leonard T. Soper  
Lucille G. Spitz

Howard L. Stahle  
Harley Duane Stanard  
Laurel R. Stephens  
Allen E. Storey  
Keith V. Swab  
Rae A. Tanguay  
Roger Tenuta  
Jack J. Torbrun  
Hans A. Tzschentke  
Darrell L. Underwood  
Edith Ann Valle  
Arthur Van Essen  
Gerald D. Varner  
Arthur L. Vicenti  
Earl M. Weinstein  
Willis F. West  
John E. West  
Claude D. Wazeman  
Charles F. White  
Sidney Zipser

## John Schmidt Is New Aide In Personnel

John C. Schmidt, Jr., a four year Navy veteran in electronics, has joined the staff of the Personnel Department and been given the assignment of interviewing all applicants for assembly, testing and adjustment work. He will report to Paul Kennedy, employment supervisor.

According to C. P. McKeague, Personnel Manager, the addition of Schmidt will mean large savings in time to department supervisors and foremen, who heretofore conducted the testing and screening of many applicants.



ATC computer. Prior to joining Librascope eight months ago, he was a final tester for Raytheon at

Waltham, Mass., on the Sparrow missile launching computer.

In the Navy, John saw service in Iceland, was defrosted in Florida and wound up his hitch at Quonset Point, Rhode Island. He is married to the former Carol Tebbetts of Quonset Point and lives in the Atwater district of Los Angeles. Mr. and Mrs. Schmidt expect their first child in July.

John, in addition to taking on a new job and becoming a father, will become a college freshman this Fall, taking courses in business and personnel administration during his off-duty hours.

## Cancel X-Ray Visit

The scheduled visit of the county health department's mobile chest X-ray unit to the Glendale plant has been canceled, due to a heavy schedule and lack of funds. Plant Nurse Mary Snyder urges all Librascopers who want a chest checkup to visit the health centers in their home areas. Locations can be found under County Health Department or Los Angeles City Health Department listing in the telephone directory. Chest X-rays at the centers, like those given by the mobile units, are free of charge.

## Mr. Barnett Is Going to Washington

Need for even closer contact with the company's military customers is sending Ralph Barnett, Director of Military Relations, to Washington on a permanent basis early this Summer. That announcement, from Executive Vice-Pres. Bill Bratton, also established a Glendale military relations office, with Ed Quilter in charge.

Barnett will direct over-all operations of the Glendale office, and will continue his present direction of the Washington office, under Art Westburg and the Dayton office, under Maurie Johns.

Prime function of the department continues the same — to direct the company's military sales efforts — but Barnett also will be effecting closer working relations with our affiliated companies — Kearfott, GPL, Link, Graflex and GPE.



## Librascope Tech Library In Co-Op Deal

Cooperative arrangements between Librascope's engineering library and the Armed Services Technical Information Agency, (ASTIA) are making a wealth of scientific information available to the company's engineering staff. Data on basic research and its practical application, which heretofore was obtainable only through lengthy searching of library stacks, is now within easy reach.

ASTIA's regional headquarters in Pasadena maintains a 30-thousand subject catalog, with some 200-thousand report listings, covering a wide field of science and technology. Engineers seeking the solution to a problem may quickly find out if the work already has been done by somebody else, and thus save valuable time.

On hand in Librascope's library are catalogs listing extracts from these reports. Additional information, or the full texts, are obtained by Librarian Nate Sands' staff as needed.

The library's own resources contain current literature and special reports on all the areas in which Librascope operates, plus related fields as well. In addition, through exchange with other libraries, universities, research groups, GPE affiliates and other companies, the shelves are stacked with new material each month. All, of course, indexed, codified and cross-filed under a myriad of subject listings to make the information readily accessible to the engineering staff.

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



## Precisioneer Soft Ball Team In Season Opener

By Charlie McKallor

With six practice games under their belts, the Precisioneer Softballers are looking forward to the start of the season on May 22. Commissioners of the Burbank Recreation Dept have assigned the team to the AA Minor League, just a cut below the top Classification. Al Akins' boys walked away with the title in the comparable league last year.

The big news is that Walt Newcomer has changed his mind about retiring and will be out there on the diamond again — for the 10th consecutive year. A star at third base, Newcomer is a take-over boy who sparks everybody on the team.

Playing in the same league with the Precisioners will be General Controls' ERA Sports Club; Bendix-West Coast No. 1; Mandrel Industry and Severs Engine Rebuilders. As LIBRAZETTE went to press the schedule hadn't been finalized, but the Precisioners will be meeting one of these teams at McCambridge Field, Burbank, on opening night.

The squad now numbers 15 men. In addition to Newcomer they are: Manager Al Akins; Joe Fido; Ken Peltier; Tony Noriege; Jim Fallet; John Flescher; Neil Hinton; Ron Spencer; Sam Houchin; George Henderhan; Art Moreno; Steve Smith; Jim Arena and John Schmidt. Your reporter is the non-playing business manager.

The 15-game schedule will be played at Pacific, Valley, Olive and McCambridge parks, Burbank. Games start at 7:00 and 8:30 PM. Come on out and root for the home team!

## Banquet, Prizes Climax Season For Keglers

Wind-up of the Winter League bowling season found the Pinshakers in the day side's top spot and the Jokers leading all others on the night shift. The Pinshakers took second place in the day side play and the Scrappers were second on the night shift.

It was a close race for runner-up in both halves of the league. The day side's Maple Leafs lost out by a single game — and so did the night shift's Musketeers! The other standings:

Day side — 4th, Sommys' Raiders; 5th, Eight Balls; 6th, Beavers; 7th, Pin Splitters; 8th, Portsiders.

Night side — 4th, Alley Cats; 5th, Screwballs; 6th, Grinders.

The prizes and trophies were presented at the First Annual Bowling Banquet, May 2 at Pickwick Bowl, with league secretary-treasurer Lloyd Somerfield acting as master of ceremonies. The winners:

Day league high series—women: Jeanette Calley, with 628.

Day league high series—men: Joe Cline, with 693.

Night league high series—men: Herb Frankenberg, with 675.

Day league high game—women: Betsy Bigby, with 246.

Day league high game—men: Stan Williams, with 277.

Night league high game—men: Robert Schuler, who scored 303 (268 plus a handicap of 35).

The day league's most improved woman bowler was Pat Swope, sec'y to President Lewis Imm. Pat upped her average by 13, to wind up with 113. The day league's most improved male bowler was Ronnie Compton, who also lifted his average by 13, to end with a 139.

The night league's most improved male bowler was Charles Pierson, who finished the season with a 114 average, up 18.

A total of 64 men and women took part in the season's play—40 on the day shift and 24 on the night shift.

# Libra Sport News



**NOT THE DEAD END KIDS** are these, but a group of Precisioneer softballers in a mood for gags, as they model elements of the new uniform. From left to right, Sam Houchin, wearing the new red cap; Charlie McKallor, business manager, in a skull-shrinking top-piece (the shirt is his!), Jim Arena, in full uniform, and Joe Fido, in cap and wind-breaker. (Earl Crawford photo)



**LIBRASCOPE BOWLERS** wound up the season with a banquet the night of May 2, at Pickwick Bowl, enjoyed a festive spread, some home-grown entertainment and the quips and sallies of Master of Ceremonies Lloyd (Summy) Somerfield. They also enjoyed the presentation of the prizes and awards they won during the year.

At top left, the winning day-shift team, Carl Culver's Full House. From left to right—Bert Elder, Mary Ruth Coffin, Carl, Ronald Whiting and John Lincoln. Whiting and Lincoln were "twin" members, John replacing Ronald when he changed shifts. Kay Small,

the other team member, was unable to be present.

At top right, Lee Newbanks' Pin Shakers, second place day shift winners. L-R—John Mielkuss, Sam St. Clair, Bill Goeppinger and Lee. Joan Howlett, the fifth member, couldn't be on hand for the occasion.

Bottom left, the night shift's winning Jokers, L-R—Lee King, George Poppa, captain; Victor LaCasella and Herb Frankenberg.

Bottom right, the night shift's second place winners—the Scrappers. L-R, back row—Bruce Murdock and Carl Christie. Front row—Tony Ludwig and Bob Levan, team captain. (Lee Duggan photos)

### Precisioneer Store Bargains

Precisioneer store manager Eileen Brown is offering some rare bargains this month. She has a new shipment of Black and Decker drills at only \$12.29 each and as

a special, is offering an ironing board, complete with pad and cover at only \$8.95.

A new shipment of all-transistor portable radios, complete with leather case and ear-phones is in. The price tag — \$23.97 each. And

a few ladies Norelco electric razors, regularly \$17.50, may be had for \$6.99 each.

A few spots are still open on the European tour, which is scheduled to start Sept. 12. Contact Eileen for details at Ext 389.

## The Wash

The WASH is a catch-all, designed to provide a resting-place for odd news items that defy definition—or come in late).

**THOSE TRAILERS** outside the rear entrance to Bldg 3, belong to the Gordon Genge company of Glendale, contract drafting firm. The nine men aboard were called in by Chief Draftsman Galen Mannen to lend a hand in catching up with a drawing backlog. It's something new in job-shop work; like turtles, the draftsman bring their quarters with them.

**EMIL CEKOSH**, late of Bibb, Remmen & Bibb, longtime carpenter contractors to Librascope, has been lured into a maintenance foreman's job by Chuck Hildreth, Bldg-Eng maintenance supervisor. Emil's originally from Stevens Point, Wis., served a hitch as an Army medic. (Mary Snyder please note.)

**INTERESTING BACK-GROUNDS** among some of our new talent. Ray Jewett, Assembly, taught speech therapy in L.A. public schools, makes phonograph records used in speech correction. He also runs a dance school in what's left of his spare time. . . . **DON COLE** new staffer in Phelix Ellington's Adm-Services section, is a cellist in off-duty hours, has played with many fine orchestras. . . .

**RAE-ANN TANGUAY**, sec'y to Herby Darby, ass't production supt. was 24 hours late getting back to work one week early this month. Herb bought her excuse, has it filed under a Most Novel heading: seems she was marooned on Catalina when high seas kept the taxiboats in harbor.

**ERRATA.** The foul-up in captions on Page Four of the April LIBRAZETTE, was the sort of nightmare which comes at least once to every editor. The victims of mis-identification, good-humored folk all, have kindly refrained from calling the errors to the editor's attention. We apologize to one and all.

**JOHN KENNELLY**, Drafting, is the Aid Club committeeman for Bldg 3. A very active member of the in-plant committee, John was inadvertently omitted from the committee roster in the April issue of LIBRAZETTE.

**FRED KILLIPS**, Eng-Stock Room, learned something about the process of justice at first hand this month, serving as a Superior Court juror at the new county courthouse in downtown Los Angeles. He was foreman of the jury in one case.

## Quiz Without Numbers

(Ed Quilter, manager of Military Relations' Glendale office, drew up this quiz. It's a test of thinking capacity. We offer it for people who are curious about themselves.)

- 1) Which is heavier, a bucket of wet sand or a bucket of dry sand?
- 2) The trunk of most trees tapers to the top. The diameter of the palm tree's trunk is constant. Why?
- 3) Assume that a bicycle is kept standing erect on a level surface. The pedals are up and down. A line attached to the bottom pedal runs to the rear of the bicycle. What will the bicycle do if you pull on the line?
- 4) Considering impact only, which is best if there is a choice: to hit an identical car head-on, traveling at the same rate of speed as your car, or to hit a concrete wall at the same speed?
- 5) Prove a straight line is straight.

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## The Librazette

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**Editor** Bill Keith  
**Art Editor** Photographers  
Keith Kinnaird Lee Duggan and Earl Crawford  
Photographic layouts by Paul Kane



## Quilter Talks To Teen Ager About Science

Ed Quilter, manager of Librascope's newly-established Glendale military relations office, was one of the speakers at the recent Science Day seminar at North High School in Torrance. Under the general topic of "Fun Can Be Scientific", Quilter reported on the progress of science in his particular field, offered some helpful hints on how his teenage audience could determine if they were potential scientists, and made some pungent comments on the state of education today.

Here are excerpts from his talk:

"I will define a scientist. As I see him, he is one who solves problems of a kind that have never been solved since man appeared on earth. He is a persistent, ever curious thinker."

"How do you become a scientist? Well, the budding scientist eternally asks the simple question: 'Why?' First he asks others who are better informed; second he explores the great store of knowledge in books and periodicals; third he asks himself."

"To do the important things for civilization as a scientist, one has to be a personality of a different sort. You cannot merely specialize in one field and never look across the fence into some one else's specialty."

"But there is a common denominator in all scientists. Sooner or later the scientist needs a knowledge of mathematics. He can hire a mathematician or use a machine for the difficult number work, but in any case the expert must know enough mathematics to talk to the mathematician or the machine. And the expert must do the talking himself — he has to know the King's English."

"I think that working psychology should be a required subject for every student. The magic word 'adjustment' does not fill the bill. We live with people all our lives, but unless you undertake special study, you are a long time discovering why people behave as they do. We need to know when to alter our own behavior to keep compatible with the changing moods and characteristics of others; how to make the best of the conflicts in personalities that are inevitable in day-to-day contact."

"In the old days we did not overlook these things. In a subtle way we were fed a diet of extremely useful directions in the form of homely proverbs, such as:

"He who fights and runs away, lives to fight another day."

"For every evil under the sun, there is a remedy, or there is none; If there be one, try and find it; If there be none, never mind it."

"I don't like the word 'school' ... it does not connote 'work' ... and work and learning are intimately interwoven throughout our lives. As long as you live, if you are to succeed as a human being, you must continue to learn. This involves work ... which can be pleasant if you make it so."

"Think of going to school as going to work ... and it will be easier to make the transition to the money-earning kind of work."

During his talk, Quilter offered his listeners some samples from a quiz he has compiled, told them that their success in finding correct answers might indicate an aptitude for science. He described it as an exercise in thinking ... said the answers couldn't be found without giving reasoning power a workout.

With the thought that Librascope might like to test their brainpower, too, LIBRAZETTE will publish "Quiz Without Numbers," in short installments, beginning with this issue. The answers will NOT be printed — you'll have to figure them out for yourself. In some cases there may not be an answer!

### Shift ASROC Assembly

ASROC assembly is now being concentrated in Bldg 2. Circuit board punching operations were shifted to Sonora street this month to make room for ASROC wiring. Assembly's dust-free room was revamped in an effort to improve ASROC mechanical assembly conditions.



### GPE Exchange

(With this issue LIBRAZETTE inaugurates a column of news about other companies under the General Precision Equipment banner.)

WILLY BORBERG, head of General Precision Laboratory's (GPL) mechanical department, won a top technical award at the recent Hollywood "Oscar" ceremonies. He was tapped for an improved movie projection machine shutter, which makes for a brighter and clearer image on your theatre screen.

KEARFOTT produced 55 of the components used to launch and guide the Pioneer Four space probe shot from Cape Canaveral in March. Twenty-five of the KC components were in the telemetering and guidance devices of the airborne stages of the Juno missile; 30 others were used in ground support systems.

One of LINK Aviation's Boeing 707 flight simulators, was broken down and boxed for air shipment to Qantas Airways in Australia last month. The load weighed 63,500 pounds and took three C-130 cargo transports and two Super-H Constellations to make the 11,000 mile lift to Sydney.

GPE's Vernon I. Weihe, director of our parent company's air traffic control and navigation programs, was a speaker at the World Congress of Flight last month in Las Vegas. His topic: "Air Traffic Control in 1980." Weihe foresees an airspace so crowded that all air traffic will be under complete control by such devices as Librascope's ATC data processor, now being built for the Federal Aviation Agency through GPL, prime contractor.

KEARFOTT is importantly involved in the BOMARC missile program. It is negotiating a \$4½ million initial follow-on contract for its Unlimited Attitude Coordinate Converter system. Kearfott shipped its first system to Boeing Aircraft in February, only 10 months after start of the design.

Some management changes at GPL and KEARFOTT. Richard W. Lee has been elected president of GPL, succeeding James W. Murray, now chairman and chief-executive officer of GPE. Fred W. Herbert, Jr., has been elected president of Kearfott, to replace D. W. Smith, now president of GPE. William P. Hilliard has been named vice president and general manager of GPL. He formerly was vicepres, administration and manufacturing. He continues as president of GPL's subsidiary, Pleasantville Instrument Corp.

## GPE Earnings Up In '59 First Quarter

Earnings of GPE, Librascope's parent company, were \$920,000 for the first quarter of 1959, as compared to \$471,695 for the same period in 1958. Common stock earnings were 57 cents a share, vs. 16 cents for '58's first quarter.

Quarterly sales were up some 4-millions, standing at \$47-million plus and the sales backlog reached a record high of \$178-millions, up \$10-millions since the first of the year.

## Precisioneer Calendar

May 30—Memorial Day Dance, Oakmont Country Club

June 20—Annual Picnic, Sunland Park

Aug. 15—Fall Dance, Huntington-Sheraton Hotel

Dec. 19—Children's Christmas Party

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

## Engineers Write Special Articles For Tech Press

Special articles written by staff members of the Engineering Department, are appearing in current issues of important technical journals.

Fred Kirr, project manager, Air-Eng, wrote "A Compact Navigational Computer" for Interavia, an aviation and astronautics review. The piece deals with Librascope's AN-ASN-9 dead-reckoning computer.

Willard Opocensky, staff engineer, writes on "Small Shaft Becomes Its Own Broach for Retaining Gears", in Product Engineering.

Sol Zwirn, project engineer, Ship-Eng, wrote "Blacklash In Instrumentation Gearing" for Military System Design.

Other articles about Librascope and its products, inspired or produced by Public Relations Manager Ken Slee, appeared in 25 national and regional technical and trade publications.

## New Arrivals

Steven Paul Kane, seven pounds, 3½ ounces, April 19, at Burbank hospital, first son of Paul Kane, supervisor of art services, Publications. Young Steven has two sisters, Candy, 9 years old, and Debbie, who is seven.

Edward Russell Michaels, an even seven pounds, April 26, at Glendale hospital. He's the son of the former Alice Sullivan, once of the Eng-Adm staff. Paternal grandfather is Production Estimator Ed Sullivan, now on sick leave. Father George Michaels is on active duty with the Navy.

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

## When you must Borrow BE WISE

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THIS DOG THINKS FOR HIMSELF!



The Libravets welcomed six new members to their ranks during May. Those now proudly wearing their five-year pins are, from left to right, Nola Rowlett, Shipping & Receiving; Frank E. Matthews, Shipboard Engineering; Mary E. Earl, Model Shop; Robert B. Moth-

ersbaugh, Engineering Administration, and Joy M. Ward, Accounting. The sixth member of the current crop, Ramona Andreo, Model Shop, is not shown. Total membership in Libravets is now 511. The group was founded eight years ago by President Lewis Imm to give

extra recognition to veteran employees. A total of 115 members have served Librascope 10 years or more; as late as 1950 the company had only 250 employees, so the long-time vets reflect a remarkably low personnel turnover.

Librascope, Inc.  
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## First Class Matter