

Spring Classes Begin; Training Coordinators Tell Opportunities

Registration for Spring Semester courses at a host of Universities, Colleges, Junior Colleges and Trade and Technical Schools begin this month, according to Training Coordinators Wayne Strong and Joe Schwarz.

"Librascope is very much interested in furthering the formal education and training of its employees," says Strong. "And we are especially interested in seeing that our employees take courses that will help them in their present work assignments or prepare them for further advancement within the company."

"It is for this reason that we follow a policy of 'educational refunds' for approved courses that are undertaken and successfully completed," Strong adds.

In 1959, the company refunded \$6,118 to 98 persons who were enrolled in after-work-hours courses. In addition, \$9,682 is scheduled for refund to 146 other persons who will complete their courses during 1960.

Courses Named

Here are some of the courses that are currently being mastered by Librascope from almost every section of the plant:

"Fundamentals of Electricity"; "Flow Processes"; "Advanced Calculus"; "Physics"; "Salesmanship"; "Analog Computations"; "Circuit Design"; "Applied Human Relations"; "Shorthand"; "Electronics"; "Industrial Purchasing"; "Government Contracts"; "Symbolic Logic"; "Trigonometry"; and dozens of other courses.

And here are some of the many accredited schools in which an employee may enroll for study: UCLA; USC; Los Angeles State; Pierce Junior College; Reseda Adult School; Loyola; San Fernando Adult School; Burbank Evening School; Valley Institute of Technology; Glendale College; Pasadena City College; and many others.

Educational Resources

"The educational resources of the Greater Los Angeles area are enormous," Strong points out. "And with the company's policy of refunding up to \$200 per year for educational costs, an employee is short changing himself if he does not take advantage of this opportunity."

This is how the program works:

(1) Secure an Application for Educational Refund from the training office, and before enrolling in your chosen course, fill out this application and submit it to your supervisor.

(2) Your supervisor will either approve or disapprove the application. If approved, it will then be submitted to the educational committee. It will then be returned to you with the approval or disapproval of the committee noted thereon.

(3) If your refund application has been approved, your next step is to enroll in your course at your chosen school. But, you must complete the course and attain a passing grade before your tuition cost will be refunded. (Evidence of a passing grade is submitted to the

Educational Committee as was your original application for refund.)

No GI Bill

"There are a couple of other things to remember," says Strong. "The first is that the refund covers only the amount of course tuition, not the cost of text books or supplies. And secondly, if you are enrolled under the GI Bill, or other plan under which you receive compensation, then the company cannot refund your tuition costs."

Spring Semester catalogues are arriving at the Training Office, Building 5, now. For further information, drop by and see Wayne Strong or Joe Schwarz.



AN EXCHANGE OF NEWS AND KNOWLEDGE

Vol. 18, No. 8

January, 1960

Providencia Smashes Production Record In Single Month

The Providencia street unit of the Glendale division has broken all records in the production of integrators, reported Max Schirmer, general foreman, to Herb Darby, assistant factory superintendent.

By 3 p.m. on the afternoon of Dec. 31, a month's total of 1008 integrators had been produced, inspected, and accepted for purchase by a U. S. Navy inspector.

"That's the highest number we have produced in any month during 1959," Schirmer reported. "In November, we produced 757 integrators. In the ten months preceding, 538 was the best we could do in any one month."

Schirmer attributes the record production to "improved methods and systems, and wonderful teamwork on the part of everyone. And by that, I mean everyone throughout the whole building."

Precision Instrument

The integrator, one of Librascope's best known high precision instruments, is used in Navy fire control systems. It is a mechanical device that solves problems of range distance and varying speed by means of integral calculus.

The finest optical measurements are used to check finished parts. Using the wave length of light as a measure, surfaces are checked to within a few millionths of an inch.

Schirmer says that his production staff is "very proud of the record we have made." And, he adds, "we hope to do the same thing in January."

Employment Gains Illustrate Growth

"Librascope is sure growing."

This was perhaps one of the most frequent observations made by Librascope during 1959, a year of rapid change and development.

How much did Librascope grow?

Specifically, in the Glendale area, 1560 persons were hired in 1959, and 984 were promoted.

Sprinting out the gate and through the parking lot when that 4:30 whistle blows is a good way to set a new mark for the 440. It's also the easiest way to collide with a car or another person, to break an arm or leg, and to wind up in a hospital room. No fun to that.

FAA Data Processor Shipped to NAFEC; New Tests Begin

The first segment of Special Devices' FAA Data Processor will be shipped this month to the National Aviation Facility Experimental Center at Atlantic City, N. J., according to Les Bentley, Special Devices' Chief Engineer.

Once it has arrived at NAFEC it will be set up to run "evaluation and simulation tests on flying aircraft for about 18 months," Bentley said. Special Devices has completed its own diagnostic and check routines, he added.

The equipment being shipped—a data processor, file drum console and an en route buffer—will permit testing of flight patterns in a high density traffic area, the Washington, D. C.-New York air route.

Eventually the entire data processor—which consists of four computers, seven file drum consoles, and three buffers—will control all aircraft operations in the New York-New Jersey complex.

It will be installed at New York's Idlewild Airport, and from there will control approaches, landings, take-offs, and flight patterns of all civil aircraft in the area.

Librascope Acquires New Divisional Status; Board Members Named

Librascope, Inc., underwent a name-change Jan. 4, when it became the Librascope Division of General Precision, Inc., the new corporate giant formed by merger with Kearfott Co., General Precision Laboratory and Link Aviation, which also became GP divisions.

Colemon Goetz Named Head of Huntsville Unit

Colemon Goetz has been selected to head the new Applications Engineering office at Huntsville, Alabama, for Librascope, Sunnyvale. Goetz will acquaint the various government and private industries at Redstone Arsenal with exploding bridgewire systems, proximity scorers, and other capabilities of the Sunnyvale Division.

A law school graduate of the University of Chicago, Goetz was employed for 18 years with Army Ordnance at Pasadena. For the past three years he has represented Yuba Mfg. Division as Huntsville sales manager. Goetz, his wife Virginia, (a former Coast Guard Commander), and their nine year old daughter make their home in Huntsville.

The Christmas card charity drive, conducted this year for the benefit of HEAR Foundation, was an unqualified success, according to Co-chairmen Jim Studdard and Hal Snyder. Final tabulations reveal that Librascope contributed a total of \$2,229.77. The money will help buy necessary testing equipment to help deaf and hard-of-hearing youngsters.

President Lewis W. Imm continues in command, as Divisional President, of the organization he founded 22 years ago. He also will serve as a member of the new corporation's board of directors and will continue to serve as a vice president of General Precision Equipment Corporation, (GPE) the parent holding company.

Also on the GP board is Bill Bratton, Librascope's executive vice president.

Staff Expands

The executive staff which will direct GP has been expanded by the appointment of two key GPE figures to important posts. As announced by GP Board Chairman James W. Murray and President Don W. Smith, they are:

Dr. R. L. Garman, as corporate vice president charge of engineering and research. He will continue to function with the same title and responsibilities with GPE.

T. D. Bannon, as corporate vice president in charge of finance and GP treasurer. He also will continue to be vice president-finance and treasurer of Kearfott.

Full Membership

Full membership of the board of directors, in addition to Imm and Bratton, includes Murray, as chairman; Smith, Bannon, Dr. Garman, F. D. Herbert, Jr., divisional president of GP; R. W. Lee, divisional president of GPL; Dave Mason, divisional president of Link; R. N. Brown, vice president and general manager of Kearfott, and W. P. Hilliard, vice president and general manager of GPL.

Ernest E. Felago, GPE director of security, has been named to the same post with GP. A. E. Jeffcoat, GPE's director of corporate public relations, also is public relations director for GP.

A director of program management was still to be named as LIBRAZETTE went to press.

A technical planning committee rounds out the organizational picture. Composed of Dr. Garman as chairman, it includes Dr. W. H. Martin, technical consultant to GPE; Adm. M. F. Schoeffel, head of GPE's Washington staff; Edwin Link, of Link division, Mr. Murray and Mr. Smith, with division technical directors being called upon as required.

Librascope who have moved within the past month and who have not notified Personnel Records of their change of address, are requested to do so without delay. Art Pederson, employee benefits and services manager, points out that important mail could be delayed or, in some cases, not delivered at all because of incorrect address records.



BREAKING ALL RECORDS—General Foreman Max Schirmer, center, proudly displays the 1,008th integrator produced at the Providencia street plant during December, a new production record. Foreman Leon Paluba, left, and Liaison Methods man Jim Madison, right, look on approvingly. Additional picture on page 3.

Stanford Issues Call For Professional Papers

Stanford Research Institute has issued a call for professional papers for the forthcoming Western Joint Computer Conference to be held in San Francisco, May 3 to 5, inclusive.

The program will cover a broad range of computer applications, yet will place "special emphasis upon new planning, and new research and development programs relating to computer technology for the next decade," according to Howard M. Zeidler, conference chairman.

A second conference of interest to engineers and managers will be the Institute of Navigation meeting scheduled for June 23-25 at the Air Force Academy, Colorado.

Papers already scheduled to be presented there include "Radio Guidance of Space Vehicles"; "Celestial Sighting Through the Sub-

marine Periscope"; "Effects of Launching Time on Space Navigation Problems"; and many other topics.

Another June conference which has issued a call for papers is the Fourth National Convention of Military Electronics. This meeting will be held June 27-29 at the Sheraton Park Hotel, Washington, D. C.

For further information on the scheduled conferences, see Ed Quilter, Military Relations Manager.



AT THE HELM—Newly elected Aid Club committeemen gather at the conference table to forecast activities for 1960. From left to right, front row, they are Ed Grossman; Evelyn Robideau, secretary; and Chuck White, chairman. Back row, left to right, Dick Wilson; Bill Ryan; and Stephen Jackman.



IN THE FIELD—Here are your newly elected building representatives of the Aid Club. From left to right in the foreground are Dan Masotti and Roy Pedigo. Standing, from left to right, are Fred Killips; Elsie Klein; Robert Hohenstein; Wally Tyler; Carole Sample; and Joe Myles. Not present when the picture was taken were Charles McKallor; Marie Sagar; Roy Scott; and Russell Grose.



AN OUNCE OF PREVENTION—Is worth a pound of cure, according to these members of the Workmens' Safety Committee. They are, left to right, Harold Newbanks, mill machinist; Phyllis Abele, wireman; and Walter Tomalonis, inspector. Fourth member of the committee is Ernest Wekerle, night shift machinist. Give them your cooperation for they are concerned with accident prevention, the elimination of hazardous conditions, and furnishing safety information.

Aid Club Officers Elected; 1,307 Cast Ballots, Sweep Committee Slate Into Office

Some 1,307 Librascopers, including 45 who signed up on voting day, have pledged an estimated \$35,000 from their paychecks during the coming year for the charities they have chosen to support through the Aid club.

Slightly more than half of the total membership of 2,382 voted in their recent election, which called for the electorate to ratify the new by-laws (they did overwhelmingly); elect a new governing body of committeemen; select building representatives to handle in-plant aid cases; and to name the organizations that will receive their contributions.

The full slate of recommendations for committee membership, as proposed by the nominating committee, was voted into office. Those named are:

Dick Wilson, Publications, representing the Rodier Street group, 3 year term; Bill Ryan, Shipboard, representing the Airway group, 3 year term; Chuck White, Accounting, representing Bldg 3, two-year term; Evelyn Robideau, Assembly, Bldgs 2, 5, and 15, two-year term; Ed Grossman, Model Shop, representing Bldgs 1 and 10, one-year term; and Steve Jackman, Model Shop, representing all areas on the night shift.

All except Ryan are holdovers from the previous board.

Elected to one-year terms as building representatives are:

Fred Killips, Material Control, Bldg 1; Charlie McKallor, Time-keeping, Bldg 2; Marie Sagar, Accounting, Bldg 3; Wally Tyler, Adjusting, Bldg 5; Dan Masotti, Assembly, Bldg 10 and Elsie Klein, Assembly, Bldg 15.

Also, Carol Sample, Publications, Bldg 7; Ray Scott, Special Devices, Bldg 11; Bob Hohenstein, Airborne, Bldg 12; Joe Miles, Instrument Lab, Bldg 4; Roy Pedigo, Mechanical Lab, Airway group, and Russell Grose, Toolroom, all buildings on second shift.

Here's How Your Aid Club Funds Are Allocated

All the major charities which Aid Club members have supported over the years, will continue to receive financial help during 1960, on the basis of the percentage designations made by the voters.

Major charities named by the voters, the percentage and dollar amounts allocated are:

March of Dimes, .048%—\$1,334; Arthritis Fund, .048%—\$1,334; Heart Fund, .121%—\$3,363; Red Cross, .016%—\$445; Cancer Society, .213%—\$5,921; Cerebral Palsy, .033%—\$917; Mental Health Fund, .068%—\$1,890; Diabetes Fund, .014%—\$389.

Also, City of Hope, .046%—\$1,279; Epilepsy Fund, .017%—\$473; Multiple Sclerosis Society, .042%—\$1,167; Community Chest, .052%—\$1,445; Tuberculosis Society, .041%—\$1,140; Salvation Army, .085%—\$2,363; Muscular Dystrophy Society, .050%—\$1,390; HEAR Foundation, .036%—\$1,001; Miscellaneous, .070%—\$1,945.

In addition, numerous voters designated the committee to make a choice according to community needs and others "wrote-in" other worthy groups not on last year's list. Among these:

Dr. Tom Dooley's medical center in the tiny Asiatic country of Laos; Dr. Albert Schweitzer's medical mission in French Equatorial Africa; the Foundation for the Junior Blind; the Los Angeles Nursery School for the Visually Handicapped; the Boy Scouts; Goodwill Industries; Los Angeles Orphans' Home; the John Tracy clinic; the Boys' Club of Pasadena; the Indian Children's Foundation.

All told, 70% of Aid funds go to major charities, 20% is held for in-plant aid and 10% is held for emergencies. Unused funds at the end of the year are disbursed, percentage-wise, to the organizations in the major charity groups.

All will receive the amounts designated by the voters.

IAMLodge 1600 Elects Stewards

Librascopers who are members of Precision Lodge 1600, International Association of Machinists, have held their annual election, naming 30 stewards to represent them in union-management relations. Chief Steward Max Mennen was among 17 reelected to their posts.

By districts, the following men and women are the IAM's official representatives:

One—Max Mennen; 2—Keith Swab; 4—Ted Cherry; 5—Bonar Beck; 6—Harry Newbanks; 7—Pat O'Gorman; 8—John Louk; 10—Max Goshkin; 11—Dan Hochman; 12—John McDonal and Ruben Marroquin; 13—Leo Heinz; 14—John Pinkston; 15—Marie Chiapel; 15-A—Wirge Thompson.

Also, 16—Erick Seif; 17—Jim Breeden; 19—Larry Antista; 21—Corinne Martin; 22—Harry Page; 23—Alice Turner; 24—Marshall Woodward, Jim Rushing and Tivilla Bilger; 25—Mert Wandrey.

On the night staff, George Cooke, Dist 1, was reelected Night Chief Steward. Others: 7—Don Seibels; 10—Russ Grosse; 6—Lester Osborne; 5—Walter Zack.

Garman, Bannon New GP Officers

D. W. Smith, president of the newly formed General Precision, Inc., has announced the election of two new officers of that company.

Dr. R. L. Garman has been named corporate Vice President-Engineering and Research, and Mr. T. D. Bannon will be corporate Vice President-Finance, and Treasurer.

Dr. Garman will continue with the same title as an officer of the parent company, General Precision Equipment Corporation. Mr. Bannon, in addition to his new position, will remain as Vice President of Finance and Treasurer of the Kearfott Division of General Precision, Inc.

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

Admiral Burroughs Is Special Assistant To President Imm

Appointment of Rear Admiral S. E. Burroughs, Jr., USN (Ret) as Special Assistant to the President, was announced this month by Division President Lewis W. Imm.

Admiral Burroughs, who has been Assistant to the President of GPE at New York headquarters since Aug. 1954, retired from the Navy earlier that year. He is a 1924 graduate of the U.S. Naval Academy.



Admiral Burroughs

At the start of World War II, Admiral Burroughs was on the staff of Admiral Halsey, later was commander of the Saratoga Air Group. He has served with the Bureau of Ordnance and was the first commanding officer of the Naval Ordnance Testing Station at China Lake.

Admiral Burroughs already is well-known to many Librascopers, through his chairmanship of the GPE standards, reliability and service coordinating committees. He also has been executive secretary of the GPE engineering plans committee.

Sunnyvale Division Promotes Three

Announcement was made on December 7 of three new Sunnyvale Division promotions.

Joining the Senior Electronic Technician group is Eben C. Paul. He is in the Engineering Department's Electronics Laboratory. Paul, a Hayward resident, joined Librascope in June of this year.

The growing Electronic Shop has a new Leadlady, Sylvia E. Minchokovich, better known to her associates as "Edy." Edy's record with the company dates from 1957, when she became an Electronic Assembler.

Ronnie L. Young, who has completed a year's training, is now assigned to the Electronics Laboratory as an Electronics Technician II. He is making plans for additional educational work to further his career.



WELL DONE—Employment Manager Glen Seltzer, left, congratulates Employment Supervisor Paul Kennedy, right, on attaining the University of California Certificate in Industrial Relations. Paul won the coveted certificate after two-and-a-half years of night classes at University Extension in Los Angeles.



PART OF THE TEAM—Some of the assembly workers responsible for setting the new record in the production of integrators are shown above at a section of the dust free assembly line. They are, from left to right, Carrey Gonzales, Louise Melonson, Elaine Clark, and Evelyn McDonald.

Blackburn Reports: Industriousness, Automation in Japan

Wayne Blackburn, Librascope's Director of Applied Research, has returned from a trip to Japan where he sought possible new suppliers of ferrite cores and generally explored Japanese research, manufacturing and marketing techniques.

Of five possible suppliers of cores, Blackburn said he found one source that could apparently meet Librascope's exacting standards.

He also spent some time viewing the research and manufacturing techniques that have led to the production of the tunnel diode, a unique device which permits operation of computers at microwave frequency.

Patents on this device are held by the Sony Corporation, Tokyo.

Surveying the Japanese industrial scene, Blackburn said, "I was frankly surprised at the degree of automation I found in their manufacturing. Their production is amazingly efficient, and this, coupled with their native industriousness, could eventually pose a real threat to American manufacturers."

"The Japanese are now the world's number one producers of cameras and transistorized radios; and in electronic production, they rank fourth. Naturally, they are interested in the computer field, and they probably see this as their next big step forward into full industrialization."

Blackburn noted that the Japanese are already producing some "transistorized and parametron computers."

In summing up the trip he noted that it was "generally exploratory . . ." and in harmony with "the recent visits of Japanese industrialists to Librascope. . ."

Dr. Eiichi Goto Returns Visit

Dr. Eiichi Goto, University of Tokyo associate professor and research consultant to the Japanese electronics firm, TDK, toured the Librascope plant Jan. 4, with Wayne Blackburn, director of applied research, acting as host.

Dr. Goto, the inventor of the parametron, is one of the scientists Blackburn visited on his recent tour of Japan.

Applications of the parametron to slow and medium speed computation—with particular reference to industrial process control, machine tool control, and telephone switching techniques—were described by Dr. Goto during his visit, according to Blackburn.

The Librazette

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Major Shift of Departments Accomplished on Week-End; New Building Occupied

"Operation Big Move," involving the shift of dozens of sections and departments and hundreds of people into brand-new Bldg 16 on Francis Court, was concentrated into a three-night and two-day span last month—and the transfer was effected with a minimum of confusion.

A fleet of Bekins moving vans invaded the affected areas—Bldgs 3, 5, 11 and 14 late Friday, Dec 18 and started moving the boxes which department staffers had been filling for days. By Monday morning, Dec. 21, everybody and everything had made the move to a new home, according to Bldg Eng Cliff Dahl—and mostly to the right places!

Now calling Administrative Engineering building home are:

Vice-Pres and Glendale division manager Don Webster, Assistant Division managers Bob Dietrich and Bill McAbay and staffers Jim Whiting, Skip Case and Bob Whitcomb;

Wage and Salary Administrator Ray McDonald and his staff;

Employment manager Glen Seltzer and members of the professional and technical employment sections of Personnel;

Engineering Services director Galen Mannen and these elements of his group: Service Operations, Ray Rockwell, manager; Field Service, Bruce Luther, supervisor; Spares Analysis, Chuck Baumgard, supervisor; Customer Service, Bill Bietsch, supervisor; Engineering Standards, Jim Kay, supervisor; Process Lab, Joe Simon, supervisor, and units of Engineering reproduction.

Two units of Phil Hiner's Publications section—the Engineering Technical Library headed by Nate Sands and the Audio-Visual unit headed by Lowell Eisenhower, have moved from the Clubhouse to Bldg 16;

The Airborne Engineering design, drafting and production engineering groups supervised by Dean Frederick;

The Special Devices design and drafting groups supervised by Charlie Buckley;

Patent Attorney George Seevers and his staff;

And the electro-mechanical group of Special Devices, headed by Director Fred Merkel.

'Tex' O'Neill Joins Military Relations

Ex-Navy pilot John T. "Tex" O'Neill has joined Military Relations as a member of Glendale Military Relations staff. He will represent Airborne Engineering.

A Navy commander until his retirement Nov 1, O'Neill is a 1939 Annapolis graduate who switched from surface ships to the air arm in time to graduate from Pensacola flight school early in 1941.

Initially a reconnaissance flyer aboard light cruisers, O'Neill served aboard the Helena, Honolulu, St. Louis, and Nashville, all casualties of the World War II Pacific campaign. After switching to fighter squadrons, he took part in the Solomon Islands and Okinawa campaigns and the final assault on Japan. He also is a veteran of the Korean "police action."

O'Neill was squadron commander of All Weather Fighter Squadron Three, based at North Island, San Diego, at the time of his retirement. The squadron won the recent Navy "Top Gun" gunnery shoot at Yuma, Ariz., and also carried off the Air Force's annual "A" award for top efficiency earlier in the year.

O'Neill is married to the former Miss Drury Anderson of Long Beach and is the father of three, Mike, 10, Steve, 9, and Kevin, 4.

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4:00 p.m. to 4:45 p.m.
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SAFETY FIRST—Fire extinguishers are for the protection of personnel and property, reminds building engineer Cliff Dahl, and should not be used as coat hangers. Moreover, as soon as one is used, Building Maintenance should be notified so that it may be replaced with a fully charged extinguisher. Pretty Pat Bishop lends her talents to illustrate these points.

O'Malley Named Staff Advisor

Martin E. O'Malley, staff Military Relations representative for the past two years, has joined Airborne Engineering to fill the newly-created post of Staff Advisor to Project Director Garland White.

O'Malley, who served as a contracts administrator for Northrop and Hughes before joining Librascope, is an Air Force veteran of World War II and Korea. He spent 18 months in the China-Burma-India theater as a navigator, was on the dangerous "Hump" run for six months, later flew missions dropping supplies to Merrill's Marauders in Burma.

O'Malley returned to Loyola University in his native Chicago after the war to get his law degree, then joined the Air Materiel Command in Dayton as a civilian administrator. During the Korean period he doffed the civvies, put on Air Force blue—and went back to his desk.

After his second tour in uniform, O'Malley came to Southern California. He is married to the former Miss Barbara Judae of Park Ridge, Ill. They have four children, Martin, 7, Nancy, 5, John, 2, and Daniel, 2 months, and make their home in Redondo Beach.

Leonard Rado Added to Engineering Administration

Leonard G. Rado has joined the staff of Engineering Administration as Senior Engineer. Rado holds a BSME from City College of New York and a Johns Hopkins certificate in business administration and management. He was previously a designer and draftsman on carrier fleet conversion projects at New York Naval Shipyard.

For Westinghouse Air Arm Division, Baltimore, he was components engineer; and for Westinghouse Ordnance he was first project engineer, then senior engineer in a reliability engineering group.

Along with J. P. Tuggle, he is co-author of various professional papers relating to reliability and quality control. During his Army service he worked in ordnance procurement for Nike batteries.

Kids' Party 'Big Hit' With All Ages

The Precisioneer Kids' Christmas Party, held Dec 19 at Glendale's Hoover High School auditorium, was a big success with kids of all ages, from three to 30-plus.

Nearly 1200 youngsters and adults filled the huge auditorium and were entertained by a program of Disney cartoons, a puppet show put on by Ralph Rousseau of Production Control and his wife, Anna, the antics of clowns Art Johnson, Special Devices, and Jim Manley, Purchasing, and a community sing with Cashier Don Barnes at the organ.

Santa Claus, with Charlie McKallor, Timekeeping, impersonating the genial old gentleman, was much in evidence—and it's not true, McKallor says, that he was able to play the role without padding!

The array of gifts brought together by the Precisioneers was staggering in quality and quantity, ranging from toy pistols, through charm bracelets, model airplanes, croquet sets, to horseshoe pitching games. And there were candy canes for all.

On hand to perform the endless tasks of putting on such an affair were Party Chairman Chuck Brennaun, Purchasing, and Mrs. Brennaun, Precisioneer President Bob Garrett and Mrs. Garrett, Don Hersch, Bud Bresnan and Lee Vance, who also manned the movie projector.



IT WAS A WONDERFUL PARTY—Kids and adults alike had the time of their lives at the recent Precisioneer Kids' Christmas Party. There were clowns, puppeteers, Santa Claus, and several other entertainers who provided the merriment. The kids responded with peals of laughter, squeals of delight, and shouts of joy. In the upper left, clown Art Johnson is telling a tall tale to one blonde-tressed youngster. At right, Jim Manley takes three of the tod-

dlers up onto the stage. At center, are Ralph and Anna Rousseau and a few of their puppets. Lower left, Santa Claus (Charles McKallor) holds three little ones spellbound with promises of good things to come on Christmas day. In the lower right are just a few of the literally hundreds of youngsters who filled Glendale's Hoover High School auditorium to near capacity.



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Annual Christmas Dance
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west gowns or cocktail



en their best blue serge
Everyone danced and
and offered libations to
es, it was a grand affair
(Avera photos)





PLANNING AHEAD—Thirty individuals — Managers, Engineers, Designers, Mathematicians and Consultants—participated in the recent "Advanced Product Development Conference," the largest such conference ever held at Burbank Division. The participants, including several corporate officers, represented six firms in the General Precision group: Librascope; Royal Precision; GPE; GPL; Royal McBee; and Kearfott. Keynote participants, shown in the inset above, were (left to right) Dr. R. L. Gar-

man, Vice President, Engineering, GPE; Wayne Blackburn, Director, Applied Research; Russell L. Rankin, Vice President, Royal Precision; Dick Hastings, Vice President and Burbank Division Manager; and Charles Krill, Chief Engineer, Burbank Division. Discussed topics included "Automatic Programming and Its Influence on Computer Design"; "Computer Logic"; "Simulation of Biological Systems"; and several other subjects.

Les Bentley Cites Air Control Planning By European Nations

Les Bentley, Special Devices Chief Engineer, has returned from a fortnight's visit to London, Paris, and Frankfurt, West Germany, where he attended conferences on a proposed air traffic control system for Europe.

Accompanied by Norman Pomerance, chief of the System Development department at GPL, Bentley appeared before the Ministry of Transport and the Air Ministry in London; before the EURO organization, (the 'Inner Six' continental nations, plus the United Kingdom); and before the West German Bureau of Flight Safety. Bentley and Pomerance made several presentations at these meetings, outlining Librascope's present achievements with the FAA data processor, and suggesting applications to the proposed European system.

In Great Britain, the presentations were made in concert with General Precision Systems, Ltd., of Aylesbury, GP's overseas affiliate.

(General Precision Systems, Ltd., is the former Air Trainers Link, Ltd., and builds flight simulators for the United Kingdom.)

Bentley noted that the confer-

ences were in part "exploratory" since various national sovereignties are involved in the EURO organization.

But the intent of the meetings was to evolve a system for controlling continental air traffic in much the same manner as does the FAA in the United States, he said.

If you received the first issue of Librascope's "Technical Review" Quarterly, and if you would like to continue to receive it, please return the IBM card that was tucked into the issue. The card contains your name and clock number, and the mailing list will be compiled from these cards, according to Jim Robinson, Public Relations. If you did not receive the issue, and would like to be included in the mailing list, send your name and clock number to Public Relations.



IT DOESN'T HURT AT ALL—Logan W. Atterbury, Building Maintenance, is one of the Librascopers who responded to Precisioneer's call for blood donors last month. Atterbury and Red Cross nurse Jay Reinhard seemed to hit it off just fine. Next call for deposits in our Blood Bank account will be in May, according to Precisioneer Hal Snyder.

John Batten to Handle 'Follow Up' Interviews

John R. W. Batten, a thirty-five-year-old native of New York, is a new member of the Personnel Department team. He reports to Glen Seltzer, Employment Manager.



As an employment interviewer, Batten's duties will include "follow up" interviews of new employees; "transfer" interviews for those who wish to make lateral transfers; and "exit" interviews for those who leave Librascope's employ.

Batten was formerly assistant to the personnel director of Prentice-Hall, one of the nation's leading publishers of text and trade books. He is married to the former Elayne Lang of New York City.

Batten, his wife Elayne, and two daughters, Carolyn and Jody, now make their home in Altadena.

Name C. A. Harvey Engineer in Quality Control

Claude A. Harvey is a new Quality Control Engineer in the Quality Control department. He was formerly quality control manager at Pacific Automation Products, Inc., Glendale. Previously he was engineering planner for North American at Cape Canaveral for the duration of the Navajo project.

Earlier he had been an inspection procedure analyst at Piasecki Helicopter Corporation, Morton, Pa. Initially he was an aircraft electrician for Bellanca Aircraft, and also for the U.S. Air Force at Travis Air Force Base, Fairfield, Calif.

During World War II, Harvey was a flight engineer on Air Force bomber aircraft ranging from B-15s to B-29s.

When Librascope's new telephone system, many months in the planning and building, comes into being next April, telephone extensions will have four, instead of three numerals.

Company expansion, and the need to provide for more growth, says Ed Sewall, new resident Pacific Telephone engineer, will bring about the change. Wherever possible, existing numbers will be continued, with the new fourth number serving as a prefix, Sewall said.

Librascope Honors Junior Achievement At Burbank Luncheon

Sixteen members of a Junior Achievement unit sponsored by Librascope were honored at a luncheon in Burbank recently.

The occasion marked the end of 1959 production for the Junior Achievement company, a period in which the young people designed, manufactured, sold and distributed more than two hundred sets of drink coasters.

Called "Coke-A-Coasters," each set contained eight brightly colored aluminum coasters, each lined with cork and attractively boxed.

Hosting the youngsters were Louis W. Imm, President; Bill Bratton, Executive Vice President; Harlan Buseth, Superintendent of Manufacturing; and several other Librascopers who guided the achievers during the past year.

Junior Achievement President Bill Klemme proudly told the luncheon audience, "We sold every single set we produced and still had orders for more when we shut down operations."

President Imm told the achievers that "the lessons you have learned about cooperation and coordination are invaluable. These are qualities that are essential in the successful operation of any business. . . ."

Bratton spoke briefly about the importance of "advertising and selling in the marketing technique . . ." and "the need to create a desire for a better way of life . . ." in order to promote sales.

Buseth described the analogy of production problems faced by the achievers and those faced by a larger, more complex business organization.

Following the luncheon, the young business people were taken on a tour of Librascope's Glendale area buildings and facilities.

The 16 achievers come from four communities and five high schools.

From Burbank High—Suzanne Taube, Teresa Wright, Douglas Griffin, Jo-Ann Wirkelich, Ronnie Richards and Christy Thompson.

From Notre Dame in Burbank—Judd Iversen, John Norton, Bob Druliner and Jeff Jones.

From Hoover High in Glendale—Gyda Messmer, Bill Klemme and Chet Kaufman.

From Bellarmine High in Burbank—Bob Escamilla and Kathy O'Hara and from Reseda High, Wayne Tullis.

Flies in the ointment are as nothing compared to flies in your work area. They come to feast on cafeteria trays that are left in the aisles after lunch. If you have been forgetful, try and remember to bus your own tray and dishes back to the lunch wagon. Your fellow workers will thank you and only the flies will be disappointed.

Jack Walker Heads Sales For Burbank

Appointment of Jack Walker as director of marketing for the Burbank division, was announced this month by Dick Hastings, Librascope vice president and division manager.

The new sales manager comes to Librascope from GPE Controls, another GPE company, where he was director of marketing and engineering. He is a Navy veteran of World War II and Korea, served in both conflicts as a Lieutenant aboard destroyers.



A native of Wichita, Kas., Walker holds a Bachelor of Science degree from the University of Wichita and a Master's from Indiana University, where he specialized in analytical instrumentation. He was well along toward Ph.D.s from Indiana and the University of Pennsylvania when he was twice-called into military service.

Following his Korean service Walker joined the research and development division of Socony Corp., got his introduction to computers there. Later he was head of systems engineering for Consolidated Electrodynamics, left that firm to go to GPE Controls.

Walker is married to the former Miss Lois Shelton of Wichita and is the father of three young daughters, Paula, 12, Judith, 10, and Joan, 4. Now rounding off the school year in Prospect Heights, Ill., they will join him soon in a new home in Northridge.

The new speed limit on freeways is now 65 m.p.h., but it is an inflexible limit; and the Highway Patrol says you will be ticketed for exceeding it even by one mile per hour. Start earlier, go slower, and arrive at work more or less refreshed, ready for the day.

To cut waste is to cut costs. To cut costs is to further enhance the financial position of your own company — and, to put it another way, cutting costs helps contribute to your own job security.



ON THE LINE—Youthful members of the Junior Achievement unit sponsored by Librascope view actual assembly work on circuit boards. The young people were hosted by Librascope at a recent luncheon where Junior Achievement President Bill Klemme, inset right, proudly told President Imm, "We sold every single set of Coke-A-Coasters we produced."

Contracts Administration: Who They Are, What They Do



Director of Contracts Cliff Godwin is flanked by his Contracts Administrators, Lee Simon, left, and Jerry Gibbs, right.

Contracts Specialists, from left to right, are Ted Olson, Marty Josephs, Jim Quenemoen, and Jim Gahagan. Joy Bachman is a department clerk.



THE STAFF—Here are the clerks and aides who comprise the Contracts Administration department. From left to right, they are Marian Ellett, Ann Hanson, John Grieshaber, Phil Sands, Bud Bige, Doug Bacon (back to camera), Ted Wong, Wally Robinson, Bob Laperle



(in foreground), Ted Olson (Contracts Specialist), Vera Lovvalvo, and Jack Neubauer. Not present when pictures were taken were Jim Arena, Sam Greer, Davie Henshaw, Don Meinberg, Bob Patterson, Barbara Pitcher, Donna Peron, Joe Rocha, and Joe Zeitler.



Glenn Harrison, left, is Government Property Administrator, Eloy Barrios, is Supervisor, Contracts Administration.

Departmental Secretary is Marge Shepherd, here shown handing project estimate to Director Cliff Godwin.



(Crawford photos)

Contracts Administration:

A request for one of Librascope's products may come to us in one of several forms — letter, telegram, phone call, or memorandum. Yet the moment it becomes an actual formal request, the machinery of Contracts Administration is set into motion.

How much will it cost us to produce a particular device? How long will it take to do it? When can we deliver it?

The questions that must be answered seem simple enough. To translate them into dollars and cents costs is quite another matter. The cost estimate must be painstakingly accurate. It must reflect every conceivable factor concomitant to the process of designing, manufacturing and delivering the finished product.

Cost Estimate

And the cost estimate must not only be an accurate figure that will make production a profitable venture, it must also be a realistic, competitive price.

That competitive price is the result of the best thinking of many persons in many departments —

"Who They Are, What They Do . . ." With this article, **LIBRAZETTE** begins the first of a series on various departments, groups or teams within the organization. The size and complexity of Librascope makes it difficult to treat of each and every department; but the intent, in coming months, is to provide at least a representative view of our internal operations.

engineers, production estimators, accountants and administrative aides.

Yet when the best estimates are in, it becomes the job of one department to collate, to analyze, to evaluate, and finally to come up with the single bid price on which Librascope's eventual profit or loss will depend.

That department is Contracts Administration.

"The figure that we arrive at is based on all the available information," explains Cliff Godwin, Director of Contracts, "And it is measured against our previous or analogous experience as well as our competitive position and overall goals."

Into that bid figure have gone estimated hours of work of project managers, engineers, designers, draftsmen, technicians; estimated hours of work of manufacturing labor ranging from prototype assembly to packaging.

"If a contract results from our bid, then the second phase of Contract Administration's work begins," says Godwin.

Overall Control

Essentially the task is one of "maintaining control over all financial and business management aspects of the contract."

But the steps involved — from the time the initial job order is authorized till the day the product is delivered — are many and varied.

Onto the "firing line" go the Contracts Specialists. They work with the project manager and his staff, with the production manager and his craftsmen, throughout the life of the contract.

Firmly fixed in the minds of the Contracts Specialists are the

"terms and conditions" of the contract, both the copious standard terms in the case of government contracts, and the special or particular conditions postulated by Librascope and its customer.

Not to be forgotten are such things as the "rights and date clause" protecting our proprietary rights in various devices; the "progress reports" for customers; and a host of other details.

Deliver the Goods

In administering the contract there is the ever present need to "deliver the goods" in the specified time "according to the terms and conditions of the contract," Godwin notes.

Behind the specialists stand the Contracts Administrators and Supervisor with responsibility for administering several contracts at the same time. Aiding the administrators and specialists is the departmental staff.

Their task is to quickly provide the financial data that helps the specialist or administrator resolve any day-to-day problem that might arise during the life of the contract.

Most of our contracts carry a provision which permits "technical change," Godwin notes, "And if the customer wishes to make a change in the contract, then we must do so."

"Again, it becomes the task of Contracts Administration to resolve the problems in accordance with the changed or modified terms and conditions of the contract."

In this fashion, the work of Contracts Administration comes "full circle" from bid proposal to finished product.

Harold L. Hansen Appointed Assistant General Counsel

Harold L. Hansen, 34 year old attorney, has been appointed assistant general counsel for Librascope by General Legal Counsel Ted Lasagne.

Formerly of Portland, Ore. Hansen is a native of Wallace, Idaho. He is a graduate of the University of Miami, (Fla.) school of law, holds a Master's degree from Harvard University in business administration, is taking post graduate work at USC. He is a member of the bar in Florida and California.



Before coming to Librascope Hansen was assistant to the vice president of Daystrom-Pacific, in charge of contracts administration, was contracts administrator for Solar Aircraft and a staff accountant with Price, Waterhouse and Company.

A World War II marine, in which he served as a meteorologist in the Pacific, Hansen is married and the father of three boys, Philip, 5, Mark, 14 months and Peter, who arrived just a month ago. The Hansens make their home in Chatsworth.

Gelormini Elected Golf Club President

The Librascope Golf Club elected its 1960 officers and committeemen and modified club bylaws at a noon-hour meeting last month outside Bob Bruce's cafeteria.

New officers are Otto Gelormini, president; Jim Locklin, vice-president; Virginia Martin, secretary; and Pete Mobley, treasurer.

New committeemen are Jim Drugan, John Filkins, and Bob Lawlor.

Hal Shartle, retiring president, conducted the meeting and explained the proposed bylaw changes. Main modifications: 15 percent of club membership now constitutes a quorum and can approve bylaw changes; makeup of the club's executive board now includes group officers, committeemen, and three advisory members — the two previous club presidents and a golfing Librascope lady appointed by the retiring president.

The quickest, easiest way to avoid prolonged telephone conversations is to make notes beforehand of what you want to say. Organize.

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



WINNER'S TROPHY — Bob Bruce, left, Librascope's caterer, presents a handsome winner's trophy to Carl Culver, right, who recently captured the 1959 Librascope Golf Club Championship.

Jennie's Brood Tumbles; Four Guys and a Doll Move Into Second Place

by Fred Killips

Competition in Librascope's mixed bowling league is getting tough! One bad night now for any of the top-ranking teams can have immediate, disastrous results in league standings.

A good example was provided in the 14th week of play just before Christmas, last games before the two-week holiday respite. The Jennie's Brood quintet, sailing along nicely with a 31-21 season game tally, just two games behind the league-leading Kilroy's Klicks with 33-19, had an off-night. They dropped three out of four games to Four Hits and No Miss, and went from second to seventh place in one fell swoop.

With that 3-1 win, Four Hits and a Miss went to third place. Four Guys and a Doll, also scoring a 3-1 win, went into second in place of Jennie's Brood.

To stay on top or anywhere near it, it looks like no team can afford to bowl less than 500 from here on in!

The league standings, as of Jan. 6:

| | Won | Lost |
|-------------------------|-----|------|
| 1 Kilroy's Klicks..... | 35 | 21 |
| 2 4 Guys & A Doll..... | 33½ | 22½ |
| 3 4 Hits & No Miss..... | 33 | 23 |
| 4 Pin Busters..... | 33 | 23 |
| 5 4 Dashes & 1 Dot..... | 33 | 23 |
| 6 Exoidus..... | 33 | 23 |
| 7 Jennies Brood..... | 32 | 24 |
| 8 Lucky Strikes..... | 29½ | 26½ |
| 9 Happy Five..... | 29½ | 26½ |
| 10 Carl's Cadets..... | 29 | 27 |
| 11 Hapa Haoles..... | 28 | 28 |
| 12 Odd Balls..... | 25 | 31 |
| 13 The Rejects..... | 23 | 33 |
| 14 Woodpeckers..... | 22½ | 33½ |
| 15 Sweepers..... | 22 | 34 |
| 16 The Bandits..... | 20 | 36 |
| 17 Sleepers..... | 18 | 38 |

Snollygrossers Hold Slim Lead In Swing Bowl

Setty's Snollygrossers had their hold on first place in the Librascope swing bowling league cut from three games to a game-and-a-half in the fourteenth week of play. They went from a season score of 36-16 to 37-19, by dropping three games to the Snafus.

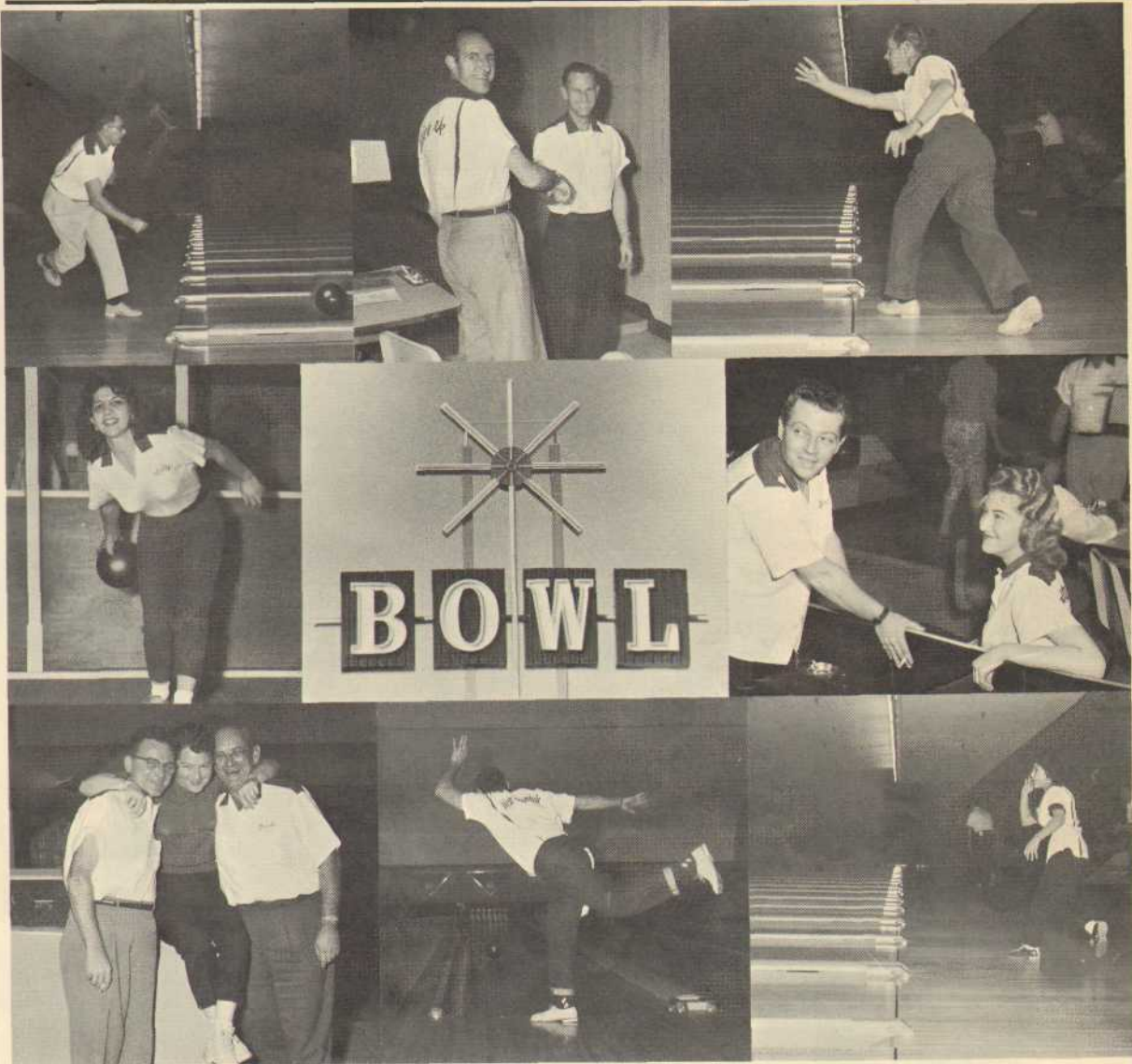
With that win the Snafus went from fourth place into a three-way tie for third at 32-24 with the Bloopers and Holey Rollers. The Bloopers went from fifth to third by beating the Mazel Kins 4-0. The Holey Rollers managed the three-way tie by taking one and-a-half games from the second-place Spotters.

The league standings on Jan. 8:

| | Won | Lost |
|-------------------------------|-----|------|
| 1 Setty's Snollygrossers..... | 37 | 19 |
| 2 Spotters..... | 35½ | 20½ |
| 3 Bloopers..... | 32 | 24 |
| 4 Snafus..... | 32 | 24 |
| 5 Holey Rollers..... | 32 | 24 |
| 6 Pick Ups..... | 26 | 30 |
| 7 Mazel Kins..... | 23 | 33 |
| 8 Gutter Rats..... | 22 | 34 |
| 9 Musketeers..... | 21 | 35 |
| 10 Moo Fooz..... | 19½ | 36½ |



IF THEY DON'T NEED TO KNOW—Don't tell them. That phrase keynotes security precautions at Librascope, says Don Knox, Chief of Security. Gary Tudor and Cora Christopherson dramatize the point. Gary is ready to tell all, while Cora says HUSH. Remember, if they don't need to know, don't tell them.



IT'S A GREAT GAME—It keeps the figure trim, holds the waist line down, and just makes you feel good all over. Besides that, there's no thrill quite like bowling a series of strikes. Nearly two hundred

Librascopers—from both the day shift and the swing shift—are regular bowlers at the Grand Central. Here are just a few of them shown in a series of candid shots taken recently. (Biendorf photos.)

'Tiger' Mesch Fields Two Basketball Teams

by Charlie McKallor

With such a wealth of playing talent on hand that he has more than the limit of 12 permitted to any one team, Precisioneer Coach Joe "Tiger" Mesch is fielding two teams in the Burbank Industrial League this year. And one result of this is that he will be competing with himself at least twice during the season when Precisioneer "A" team meets Precisioneer "B" team!

The "A" team opened its season with an impressive win Jan. 4 over Collins Radio at the John Burroughs High school court, downing the Burbank outfit 62-37. John Kennelly was high scorer with 19 points, closely followed by Nelson Manzanares with 13.

Coach Mesch was greatly impressed by his players' perform-

ance, believes he has a first rate offensive and defensive squad. Others on the "A" team are Neil Hinton, Ron Roderick, Jim Arena, Don Mitchell, Tom Renaud, Chris Powell and Art Moreno.

"B's" Lose First

The Precisioneer "B" squad dropped its first game of the year to Weber Aircraft, a very strong team, by a score of 57-33, Jan. 4 on the Jordan Junior high court. Although outscored, Coach Mesch does not feel that his boys were outclassed; individually and team-wise the squad played well.

It was largely a matter of trying to stop Weber's Bob McCarty, who was the star of the game with an impressive 21 points. The boys will know how to play him the next time out, Mesch said.

Cowley Arthur and Dick Johnson led the Precisioneer scorers with 10 and 9 points, respectively.

The "B's" are carrying the full limit of 12 players and Coach Mesch no doubt will share some of that talent with the "A's" before long. Others on the "B" squad in addition to Arthur and Johnson are:

Carlos Davila, Roy Johnson, George Carpenter, Kirk McCorkle, Jerry Miller, Bill Buchanan, Jim Kostecky, George Dizon, Bob Cottriel and Bob Curran.

Admission to the games is free and all Librascopers are invited to attend. It will be the "A's" against the "B's" Monday, Jan. 11, at Burroughs High. The "A's" play William Brand and the "B's" play Pacific Automation on Wednesday, Jan. 13, also at Burroughs. Game times: 6:30 and 7:45 P.M.

Does your building have its volunteer fire brigade? If not, call Joe Fido, and enlist now. Men and women with service experience are sought.

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

First Class Mail