

Dick Albright Recovering

Games, Prizes, Contests to Highlight **Annual Employee Picnic October 4**

Librascope will renew a fine old custom this year in the form of an annual picnic for all employees and their families, it was announced by Precisioneer President Loy Thompson.

The picnic will be held at Sherman Grove Park Sunday, October 4, and will last from 10 a.m. to 6 p.m.

Only admission requirement is your Librascope ID card. Because of the limitations on fa-cilities and the size of our own employee group, the Precisioneers Vacation Delayed regret to announce no guests (ex-cept families) or former employees can be admitted.

Special attractions for the kids will include games—with prizes— contests, rides, and so forth.

Bring your swimming suits, as there will be a swimming pool on the grounds which will be avail-able at no extra charge. Also to be provided is a dance floor, juke box and some good records for dancing.

Ing. You will have to bring your own food. However, pop and ice cream for the youngsters and beer for the adults will be provided. If you don't want to fix a picnic lunch you can journey over to Sunland park (walking distance away) and buy hot dogs or hamburgers. buy hot dogs or hamburgers.

Don't forget the date-October 4. Sunday.

Bowlers Get Start

Fall bowling was underway at press time with about 14 teams ex-pected to participate.

September 10 was the scheduled

opening date. The league is being conducted at the Burbank Bowl on San Fer-nando Road in Burbank. Check the bulletin board for details.

Vacation Delayed, **But No Complaints** Margery Grey, assembly, would

qualify for having the best of Librascope's vacations this year even had she never left Glendale.

She was delayed two days as it was, delayed, that is, long enough to pick up a \$3,300 check, a gift of the Van Nuys Drive In Theatre.

Marg received the prize after attending the theatre's bank night program regularly for more than

a year. After picking up the check, she spent what was left of her two weeks in Pensacola, Fla., her home town

"I never won anything like this before and was certainly surprised," Marg said.

She also commented that she attended a barbecue that day and was late getting to the movie-almost didn't go at all, as a matter of fact.

Dick Albright, Librascope em-ployee, who was stricken with multiple sclerosis is shown talk-ing with Michael D. Fanning, chairman of the Multiple Scler-osis comparison and Dr. John H osis campaign, and Dr. John H. Aldes, MS medical advisory board member. Dick was a patient at Cedars of Lebanon hospital but is recovering and back to work. (Incidentally, anyone wishing to do-nate to the MS Fund may send same to: "MS, Los Angeles 51.")

New Charity Club Committee Works On Details of Collection, Allocation

Thelma Barnes Quits Librascope for Farm

Thelma "T. J." Barnes, Engi-neering, packed pencils and short-hand book and headed for the northern part of the state and the

northern part of the state and the life of a farmer. A Libravet, Thelma has been with Librascope for the past five years. However, the lure of the wide open spaces has proved too much for her to resist. Thelma and family will settle down on a 104-acre farm in Lake County. She has issued a standing invitation to all her friends to pay

invitation to all her friends to pay her a visit. It will always be open house down on the farm.

Plans are rapidly taking shape for Librascope's "Buck of the Month" type club, according to the newly elected committee working on this project.

Committee members, recently elected on an equal representation basis throughout the company, are Tom Bryant, Doris Eberle, Bill Greer, Norman Guiffre, George Henderhan, Steve Jackman, Dana Nixon, Joe Riddle, Floyd Sebaly and Ray Setty.

In two meetings to date, committee members have made consid-erable progress in planning for ways and means to collect and al-locate funds on a basis which will truly express the majority wishes of Librascope employees.

In addition to aiding major charities, the committee has decid-ed to set aside a portion of the money collected for the relief of hardship cases among Librascope employees.

No official name for the organization has been selected as yet, but the committee hopes to come up with a representative name which will symbolize the goals of the group. Plans also will include a sticker for home use.

Committee members will be circulating soon in each group, and will explain details of the program to all employees.

Full Slate Seen For Golf Tourney

A capacity field was predicted for the annual golf tourney as a total of 35 persons had qualified at presstime and more of the 48 vacancies were being filled each day

Qualification depended on sub-mitting three 18-hole or six 9-hole score cards by September 14. Be-cause a limited number of starting times were available, only 48 of the 60 originally signed up were expected to be admitted to the contest. However, Precisioneer of-

ficials were trying to get about three more starting times. The tourney will be held Sep-tember 20 at Rancho golf course. A banquet is to follow the tourney at which prizes will be awarded.

New Production Control System Is Explained

The basic aims of the new Lib-rascope production control sys-tem which will go into effect with the Mark 5 contract, are to pro-vide a common basic production plan with which all departments can work, to centralize control functions in specific groups and to keep the flow of paperwork to a minimum. The basic aims of the new Libminimum.

The complete general plan will take into consideration all func-tions which contribute to the end product. These functions include design and release of blueprints and parts lists, requisition and pro-curement of raw material and pur-chased parts, planning of tools and operations for manufacture and assembly, scheduling and release of shop orders, and actual manu-facture, assembly, adjustment and shipment of the unit.

Master scheduling will determine the estimated time span for each function by negotiation with departments concerned, and will record all estimates in the form of a job plan chart. This chart will

show in graphic form time span for each function in proper relationship. Copies of the chart will be issued to each department af-fected. The departments then will be responsible for performance of respective functions in accordance with the outlined plan.

Other phases of the system in-clue the use of a new type of as-signment sheet for production op-erations. The machine operator will not be given the entire operator tion sheet for a part. He will be given—along with the blueprint— an assignment and completion no-tice which contains instructions for only the specific operation to be worked at the machine.

All calculations of elapsed time and entries on the daily job cards will be made by the timekeeping section, and the only entries which the machine operator will make are pencil entries to record clock time-in and out-on the assignment and completion notice for the operation on which he is working. Production control dispatchers

will be assigned to specific load centers, and will handle all movement of parts to and from the load centers, as well as report off-schedule conditions for their load centers. These will be in the form of a weekly off-schedule report, to be made to production control su-pervision for followup action.

A shop calendar has been estab-lished assigning consecutive numbers to each working day of the year. These numbers will be used for scheduling and general refer-ence purposes. They will be referred to as manufacturing days, and will be posted daily on boards located in the factory areas.

This description has covered only a few general principles. New written procedures covering details of the new system are being issued to supervision. It is expected a few difficulties may arise during the changeover period, but full cooperation will help get the new system into operation with a minimum of trouble, it is felt.

Orientation Courses Proving Helpful To Newly Hired Librascope Workers

More than 100 newly hired Librascope employees have been given orientation classes since July according to the training section.

The course includes the story of Librascope and its growth, an in-troduction to our products, a de-scription of the organization, the part each section plays in turning out a finished instrument, a statement of personnel policies, a dis-cussion of plant rules and security regulations, a review of benefits available and a briefing on

the credit union and charity committee. At the end of the lecture all new workers receive an em-ployee handbook and are taken on a tour of the plant.

Individual supervisors continue the indoctrination by introducing the employee to his fellow workers and his job.

Every Precisioneer can take an active part in this program by helping new employees feel at home and welcome.



Pictured in action above are members of the mechanical lab, left to right: Fred Lenzen, Ross Smith, Bill Pollock and Roy Pedigo.

If you have a mechanical problem, anything from rust-proofing aluminum to life testing a depth charge these are the men to see. Photo by Duggan

Problems? Take 'Em to Mechanical Lab

Dwarfed by most other groups in the Company, the four specialists and h an d f u l of precision equipment that make up the mechanical lab are often overlooked when the company's organization is described.

(Matter of fact the Librazette has committed this error twice for which we hereby apologize—Ed.)

has committed this error twice for which we hereby apologize—Ed.) However, when it comes to tough problems of all kinds—well almost all kinds—this group is never overlooked. Actually one of their toughest problems is which of whose tough problems to tackle first.

Getting bugs out of some of our more perverse gadgets is only one of the lab's functions. Two other of equal importance are creating "prototype," mechanisms from an

Sounds Like Case Of Sour Grapes

Editor's Note: We had thought of twisting around that noble quotation (?) from Milton—They also served who stood at home, yet—into a message of commendation and sympathy for those who stood at Librascope between August one and 14. Then we got the following thumb-to-the-nose type message written in the strong, forceful scrawl of a man who is eating just as good now as he did before vacation. Instead of a note of sympathy to those who stayed, we print condolences to those who played.

For all you happy people who lolled on the beaches, basked in patios or waded the trout streams of the High Sierra during the past vacation we have a message. Quote: Brraaacckk!! End quote.

Quote: Brraaacckk!! End quote. We watched you staggering and reeling back to work, tired, sunburn ed, mosquito - bitten and broke; so we'll relent long enough to tell you how we enjoyed swimming, hiking and hunting with none of the ill effects you experienced.

You simply look at a **mountain** of work on your desk and your head starts **swimming**. But you just keep **hunting** for the necessary facts and information until you've **waded** through the whole **sea** of paper work. All this was accomplished in a comfortable, air conditioned office, with pay yet. The hiking? It's a long way, brother, to the rear of the plant. Jay Wiltsie engineer's rough sketch and life testing components.

The areas in which the lab works are diversified. They may be called on to develop a special process for painting or applying a protective coating to a part or to develop and create an unorthodox device that will not only do what the engineer wants it to do but can be readily fabricated.

It is this in-between position of the lab that calls for a peculiar assortment of talents in its personnel. They must be good precision machinists but because their work often includes as much design as fabrication they must also have extensive engineering know-how. And in addition they must understand the problems of production machining and assembly. Lastly a knowledge of the techniques of research and testing is required since accurate records and extensive reports must be made on their projects.

In life testing a component the importance of the records is obvious. In the development aspect of the labs work they are also important. It isn't enough to know whether an engineer's idea is workable or not. The reasons for their decision, the possible production difficulties, s u g g e s t e d changes and improvements and alternate ways of doing the job must be carefully recorded and submitted to the engineer. Usually this means several reports at different stages of the development as well as an over all report when the job is finished.

With this introduction to the lab you expect to see a sterile white painted room with highly chromed and highly specialized equipment. It ain't that way, as you can see in the picture.

The lab works with a minimum of machines. A precision lathe, a small milling machine and similar standard equipment. For jobs these machines won't do with the normal accessories, they make their own rigs. (They have even been known to turn out their own special gears with this equipment.)

Some of the jobs in which the lab has played a large part include the Baird Computer, XY Recorder, Square root planimeter, operational recorder, integrator, differential and multiplier development, sine cosine mechanism and test equipment development, construction and analysis of the small size integrator, and work on many other components.

And of course much of the mechanical detail on electronics' pet digital computers is being done in cooperation with the lab.

Classified

FOR SALE — Almost new GE washing machine. Wringer type with balloon rollers, full length skirt, pump, aluminum agitator. \$85. Tel. SYlvan 0-2170, Bill Bell, 1904 Ravista Lane, La Can-

Versatile Land Camera Used By Amateur and Professional

One of the more useful pieces of photographic equipment is the Land Camera, perfected by Edwin H. Land.

The outstanding feature of this camera is the self-contained developing and printing mechanism. This permits the operator to record a subject on film and within two minutes hold a finished positive print in his hand.

noid a linished positive print in The applications for such a device are many. The amateur or professional may for the first time record important phenomena and check his results for technical flaws in minutes, instead of waiting hours for the ordinary photographic process.

The Land photographic process contains three elements: the paper negative halide emulsion, the paper positive coated with crystals of metallic sulfide, and a small airtight pod containing a chemical reagent.

After an exposure the paper negative and paper positive, being on separate rolls, are pulled together and pressed firmly between steel rollers. The pod is broken, spreading the jellied reagent in a thin film between the adjacent layers.

After one minute the positive print may be separated from the negative and viewed.

At Librascope the Land Camera is employed as an oscillograph recording device. The camera is attached to a special light tight housing. The housing is built to permit viewing of the oscilloscope screen while making a photographic recording.

The oscillograph record camera is used for quantitative analysis of single transient phenomena, since such patterns remain on the cathode ray tube for too short a time for detailed analysis. For example, an unfamiliar As of Monday, August 24, Don Runnalls, our chief plant guard, became the father of a 6 pound, 11 ounce baby girl. Name Mary Ann.

Births

Births reported by Eileen Brown, Precisioneer secretary, include babies for the following:

Bob Geno, Receiving.

Carlton Dawson, Boring Mach.

Jerry Sikora, Model Shop.

Tom Davis, Dustfree Room.

The family of Leo Dietz, design drafting, welcomed an addition. They adopted a baby boy who was born August 12 and has been named David Arthur.

Born to Shirley Ann and Richard Gottlieb, grinders, September 8 at 11:34 p.m. was a 6 pound, 6½ ounce girl. They named her Christine Evelyn.

wave form may appear on the scope from a new type of circuit. A photograph is taken. The engineer-operator may check many points of the circuit, making photographs which may later be analyzed and compared.

Vital Computer Unit Developed at Librascope

Basically it consists of two gears, one of which is equipped with one less tooth than the other. To both

sides of each of these gears are at-

tached stop arms which extend a

given amount beyond the teeth

and are so arranged that as the

odd-toothed gear "hunts" it will

in time bring one set of stop arms

to butt against each other, thus

stopping the gear train. By the use

of two sets of stop arms, installed

in opposing directions, a complete

stop is made at each end of the

several improvements over the

original model. In the beginning

Smith soldered the stop arms to

the gear so they met equally at

midcenter. This idea proved un-

successful, since the gears could

Today's mechanism contains

gear train travel.

By Wally Tyler

Typical of the research, originality and talent which has brought Librascope to the top in its field is the development of a vital computer component, the huntingtooth gear.

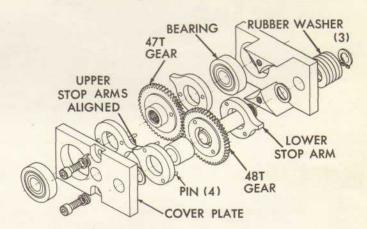
This device, more commonly known to the Librascope layman as the stop mechanism, is essentially a safety measure. In event the gear train to which it is attached should overrun its normal travel, the hunting-tooth gear brings the train to a halt.

Credit for use of this gear belongs to our own Ross Smith, who saw in a horoligist's book the idea which suggested its application for Librascope use. Smith, together with Williard Opocensky. built the original idea into a highly successful device.

Originally the gear was developed for use on a computor Librascope engineers worked out in conjunction with Massachusetts Institute of Technology for a conesquaring mechanism.

One of the stop mechanism requirements was that it should be positive in action. In addition, it must add no friction to the gear train to which it is applied. Thirdly, it must be capable of infinite adjustment making it flexible enough to govern any desired travel of the gear train.

Our hunting-tooth gear stop fulfills all of these requirements.



make less than one revolution due to arm interference. This fault was corrected by

making one set of arms shorter than the other to allow clearance in the first revolution—thus allowing the gear train to proceed over its normal, required travel.

Doweling the arms to the gears soon was preferred to soldering for positive positioning of the arms.

Another problem bothered the originators. Being essentially a safety stop device, the huntingtooth gear is not always needed. However, it was found that when the gear was called into action there was a severe and jolting halt. To meet this problem, the floating gear shaft was shock-mounted in rubber to absorb the sudden stop.

A typical design of this completely self-containing mechanism More on page 3

September 1953

The LIBRAZETTE

Credit Union Is Attracting Many; More Urged to Enter Organization

Librascope Credit Union officials have announced that several hun-dred employees are now members, and urge all workers to avail themselves of the facilities of the organization.

Here's how the union operates. Here's how the union operates. For five dollars an employee may purchase one share in the Credit Union. It is possible to authorize regular weekly deductions of one dollar or more from paychecks. Or, if the member prefers, he may de-posit cash at the Credit Union of-fice. The greater the amount in-vested the larger the dividend.

Loans are made to members at an interest rate of one per cent per month on the unpaid balance. This is less than the interest charged by a bank.

For example, a member bor-rows \$100 from the Credit Union for 12 months. The total amount he pays is \$106.42. This means he is paying interest at less than seven per cent a year as opposed to the eight per cent charged by banks. banks.

The Credit Union operates under a federal charter and California State laws. Union activities are guided by a board of directors, credit committee and supervisory committee elected by the members

Precisioneer Nine **Places 2nd In League**

Precisioneer batsmen, under the able direction of Don Cady, grind-ers, came through with a happy second at the close of the annual baseball league season.

As one of the top bracket teams As one of the top bracket teams the Precisioneers were matched with the Weber Aircraft team in the playoffs but the Webers elim-inated our own with a 22 to 12 defeat.

Over the entire season the Pre-cisioneers picked up 12 wins as against 8 losses.

Officers who handle money are bonded.

Savings are usually available at any time from the Credit Union treasurer for those who wish to make withdrawals.

The Credit Union already has assets in excess of \$16,000. For further details, or a mem-bership application, contact Ma-rian Parker in the Credit Union office in Personnel.

Precisioneers List **Good Buys for Fall**

Eileen Brown, Precisioneer sec retary, has announced the following discount deals coming up. See her in the Precisioneer office, just outside the parking lot gate, dur-ing breaks or noon hours if you are interested.

are interested. Boys' school jackets, tan gab-ardine with quilted satin lining and mouton collars. Sizes 4 to 10, \$5.75. Sizes 12 to 18, \$6.75. Largest size hemmed flour-sack dish-towels, 30c, inc. tax. Men, need a new suit, slacks or sport coat? Get a card from Eileen. Factory prices

sport coat? Get a card from Elleen. Factory prices. Ladies' c as h m ere coats and beautifully tailored suits beginning at \$49.00. These are advanced style and of the finest materials. And if you have a fur coat hanging in the closet you'd like re-modeled into a fashionable stole or jacket we can recommend Mr

Jacket, we can recommend Mr. Abedos, HO. 5-5033. He promises a nice discount and quality work. Special Deals. GE portable mix-er. Free 15-day trial, and for 65c (instead of \$2.59) a set of plastic mixing bowls. If not satisfied re-

survive and starting bowls. In hot satisfied re-turn mixer for full credit. Sunbeam Razor. Five year free service—all parts and labor—and \$5.00 trade in on your old razor. Also new alarm clocks \$4.17 inc. taxes. Kitchen clocks, all colors, \$4.25 inc. tax. Complete line fry-ers. (These get scarce at Christ-mas time, so it's a good idea to order now.)

Double Birthday Celebrated

Opocensky by reputation may be inclined to think of him as Libra-

scope's own mad genius. After hearing of the remarkable devices he has dreamed up, either unorthodox or based on long neg-lected principles, or of the fantastic work he has done on integrators, working with dimensions meas-ured in light wave units, it is a surprise to meet this busy but in-

formal, quiet spoken, and entirely likeable-type guy. Opocensky has been with Libra-scope since 1941. During this dozen years he has had a hand in about years he has had a hand in about every major Librascope project from the forerunners of the Mk 42 to job 120. He had a very impor-tant part in design of the LC6, an early Librascope anti - aircraft computer, and the LC8 which be-came first the Mk 4 and later the present Mk 5. Williard was born September 11, 1906, in Topeka, Kan.

1906, in Topeka, Kan. His mechanical bent emerged at

His mechanical bent emerged at the age of four when he demon-strated an unusual interest in a neighbor's clock. At 10 o'clock he noticed, the clock struck 11 times. Young Will waited two hours to hear it strike 13 but was foiled— it struck once only.

it struck once only. This interest in things mechani-cal was no surprise as both his father and his father's father were skilled watch makers. When Opocensky was 12, he be-

an to follow the family craft and in Houston, Texas, apprenticed to a watchmaker named Lenzen, whose son, Fred Lenzen, is now Williard's colleague at Librascope. Including h is apprenticeship, Williard stayed at watchmaking for 11 years.

However, in 1934, he became de-sign engineer for the Eastman Oil Well Survey Co. He designed, built and tested instruments for underround surveying for that com-any until 1941, when he came to ground Librascope.

However, this is only one side of the Opocensky story.

During and after his watchmaking days, Williard also studied music and became an accomplished pianist. (Those who have been at Librascope several years will re-member his artistry, still of concert stage quality, as displayed at company parties.)

In 1920 he won a scholarship entitling him to free tuition at the Houston Conservatory of Music. For several years he seriously con-sidered becoming a professional planist, but eventually his me-chanical inclinations won out chanical inclinations won out.

An example of the strength of An example of the strength of Opocensky's mechanical bent was demonstrated when he reported for work the first time at Libra-scope—on a Sunday!

His first assignments were the Librascope Dead Reckoning Com-puter and Project "A" Gun Fire Control.

After this warm up, he became an important part of the team which produced the LC6, an in-strument which did much to spread the fame of Librascope during the early part of the war.

Then came the LCS and Opo-censky commuted to New London, Conn., with Lewie Imm and Skipp Case doing liason between the Navy and Librascope. Later, while working on the design of this computer he worked out the details of the cone squaring mechanism which is still being used in the present day LC8-the Mk 5. His next job was on ETA and

which measures under two

inches in length-has gears of 48

and 49 teeth respectively, which gives a turn ratio of about 48 revo-

lutions between the arm stops op-

erating at either end of the train.

cedure, a master set of gears is set

up on an accurate, dial-operated

tool, the stop arm positions depending on blue-print specifica-

Then, after an inspection okay, the master set is used to set up the

production jig so all that is neces-

tions.

In current manufacturing pro-

Hunting Tooth Limit Stop

Vital Librascope Development

Story on page 2

ROE, forerunners of the MK 42. It was on these jobs that he de-veloped the rotary potentiometers being used on the 42, and which were patented for Librascope under his name in 1946.

ETA, incidentally, was designed, engineered, manufactured and de-livered to the Massachusetts Insti-tute of Technology just three months after receipt of the go ahead.

Another example of the industry —and frustration — prevalent in those days occurred during the development of the LC8.

Opocensky and Lewie Imm took the prototype to San Diego with Herbert Griffin, then president of Librascope. Opocensky and Imm w or k e d three days and three nights without sleep getting the instrument in share and installed instrument in shape and installed.

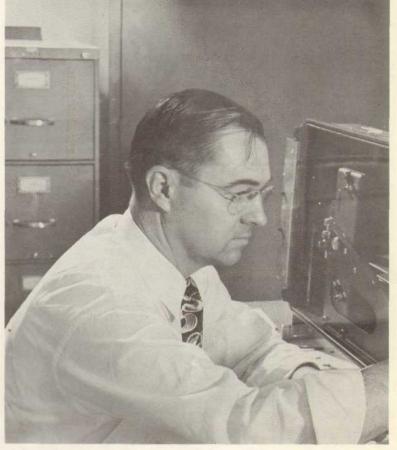
Exhausted they returned to their hotel at 10 p.m. of the final day, only to find Griffin had returned to Los Angeles and given up their hotel room.

San Diego during the war had no excess of accommodations, so the two were forced to drive all the way back to Los Angeles, where after a short nap they were back at work at Librascope.



This jolly group gathered in Receiving Section July 25 to celebrate the birthdays of Clem Abbott and Lyle McDonald. Shown above, left to right, are: Cesar Goldstein, Fred Killips, McDonald, Russ Bolin, Josephine Russ, Bill Griman, Abbott, John Buckens, Louise Morton, Harold Nylen, Jack Nelson and Mac Mayclin. Clem is stockroom clerk, leadman, and Lyle is assistant foreman in the Machine Shop.

Willard Opocensky—Mad Genius of Librascope who know of Williard



sary is the proper assembly of its simple gears and arms for drill under a small drill press, and the fitting of dowels which extend completely through the stop arms and gear. Assembly of the armed gears into the final stop mechanism then becomes a simple procedure.

The development of the hunting-tooth gear was a simple but ingenious solution to a vital problem, and proves again that Librascope is a name to be respected in the ever growing field of computing equipment.



Many happy Librascope vacation memories are represented by the pictures above, a sampling of the photos taken between August 1 and 14. They are identified below, left to right and top to bottom: Tommy Brown, son of Jess Brown, tool room, displays a string of fish he caught. Mrs. Jess Brown in the background. (Editor's Note: I'm glad somebody caught some.) Doris Appleby (right), assembly, and Jennie Sedita, left, boring, pose with Margaret Shipler, center, a former Librascope employee, during their trip through Oregon. Urban Kemme, Mk 30 leadman, and wife take to the air during their vacation. Maurice and Charlene Kimmel . . . now what kind of a vacation was this? He works in the dust free room during his leisure hours.

room during his leisure hours.

n during his leisure nours. Nell Cox, accounting, absorbs sun and scenery. Ed Thorpe, engineering lathes, and wife enjoy the cool mountain country around Lake Tahoe. The state capitol at Sacramento was visited by Hildegard Forester and Donna Barnet, engineering files, in a side trip from San Francisco

"Far Away Places" Is Theme of Vacationers

It seems as though just moving around, seeing new places topped the list of Librascope vacation activities.

From Balboa to New Jersey, Mexico to Canada, Librascope was represented.

Then there were others, like Maurice Kimmel, dust free room, who just stayed home and took it easy. (See picture of Maurice above.)

And of course many revisited their home towns, saw family and old friends.

Among those who traveled, Lindy Lindahl, our Controller, probably gets the prize for most miles covered. In touring both the eastern and western United States and parts of Canada, he put 7,500 miles on his speedometer.

miles on his speedometer. Betty Meyer, publications secre-tary, did pretty well on the mile-age side, too. She journeyed to far off New Jersey, where she and her husband visited his family. For Betty, who hails from Hawaii, it was her first visit to the east coast.

was her first visit to the east coast. Wally Tyler's travels included a stop at Shasta Dam and a tour through the structure. Awed by the sight he missed seeing Jim Lewis sitting on the rocks at the foot of the structure. Which may be just as well since all Lewis could do between sips of warm beer was mumble something about "Ain't no blank fish in this blank lake" lake.'

If Lindy Lindahl was the most traveled of vacationers, we understand another front office man, Bill Bratton, qualified for putting on the least mileage among the tripsters. He contented himself

with a sojourn to Balboa, where he found there was more to spear fishing than gets the eye.

Doris Appleby, assembly, and Jennie Smith, Boring, visited a former Librascope employee, Mar-garet Shipler, when they stopped in Oregon.

Hildegard Forester and Donna Barnet, both in engineering files, claim to have spent their vacation in San Francisco. But they brought back pictures of The Sands in Las Vegas, and of Sacramento, which is on the way to Nevada from SF.

Lowell "Ike" Eisenhower, pub-lications, returned from a Mexican tour with numerous impressive colored photos. Most impressive were his shots of the university in Mexico City, which boasts a beau-tiful, ultra modern campus and the largest collegiate stadium in North largest collegiate stadium in North America.

Traveling the other direction, Don Webster took in the high spots of Western Canada, including Banff and Lake Louise, after covering most of the Pacific coastline.

The light car enthusiasts will like to know about Rick Girouard's extended tour through New England in his MG.

And of course there is the story of Larry and the Bear.

Larry is Larry Moore, engineering services supervisor, who with his family went on a camping trip in the High Sierra.

One exceedingly peaceful night -no neighbor's dogs, no street lights, no smog, no sirens wailing-Larry was awakened by strange noises from the food table. A quick look out the tent flap disclosed a bear in the vittles.

Hoping to startle and scare away the bear, Larry shyed a rock in his direction. The bear was indeed startled as the rock bounced off furry mid-riff. But scared away— no. Bruin took one, then two, steps in Larry's direction. But by this time Larry was "safe" and com-fortable (?) behind the protection of a zinpered canvas tent flan. of a zippered canvas tent flap.

The bear, an experienced camp-er himself, undoubtedly chuckles right down to that self-same furry midriff as he tells the boys at the office about the fastest moving, whitest faced human being he ever saw

The chamber of commerce will hate Dan Derrington, drafting, for his comments on his camping trip to the Pacific Northwest during vacation.

"It was good to see rivers with water in them and lush forests. after dry Southern California all year," Dan commented.

Dan and his wife, Gerry, enjoyed such scenic spots as the California Redwoods, Mt. Shasta, Crater Lake, Mt. Hood, Mt. Ranier, Puget Sound and Vancouver.

During the return trip down US 101 the Derringtons were impressed with the "Rain Forest" in Olympic National Park. Most people miss this beautiful sight, Dan explained, because of an enforced jaunt over an 18-mile strip of gravel road.

CREDIT UNION

We at Librascope are a friendly group and we like to help one an-other. This is as it should be but it is well to remember that acting as co-signer on a friend's note places a definite business obligation on us.

The co-signer has full responsibility for paying the note if the original borrower somehow fails to complete the p a y m e n t s. This makes co-signing a note more of a business transaction and co-signers should understand their obligation.

The Librazette

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