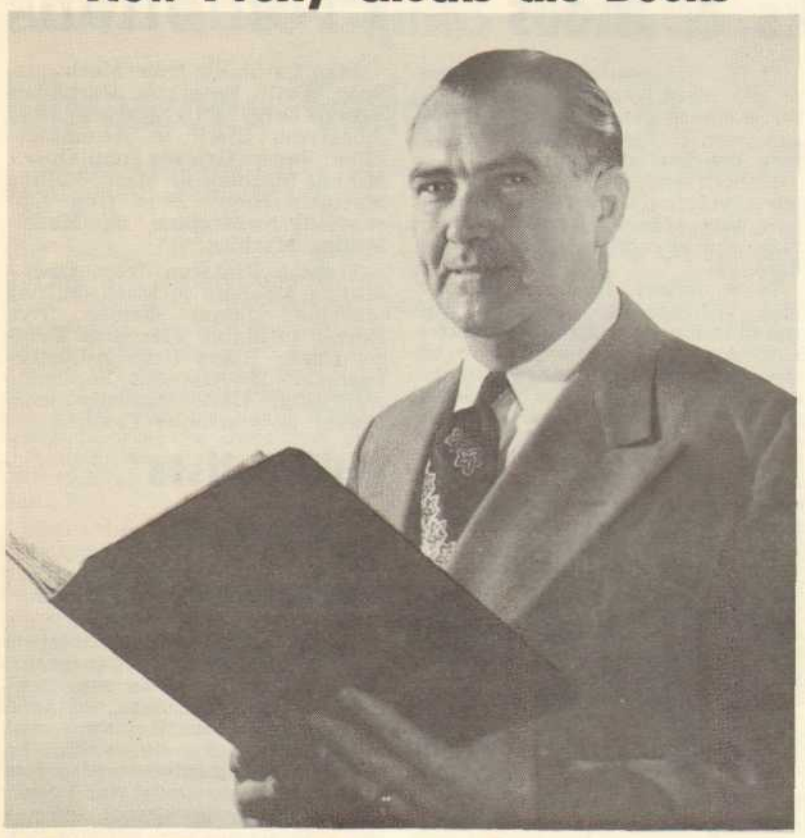
LIBRAZETTE

AN EXCHANGE OF NEWS AND KNOWLEDGE

Published By
LIBRASCOPE EMPLOYEES
GLENDALE, CALIFORNIA

Volume 1, Issue 3 January, 1953

New Prexy Checks the Books



Man Bites Dog? Librascope Buys Mechanical Brain

Those fancy new checks passed out last month were the result of an automatic payroll machine —complete with an electronic brain — purchased for the accounting department recently.

The machine, manufactured by the National Cash Register Company, automatically computes the variable deductions such as withholding tax, federal insurance compensation, and state disability insurance. (Picture on Page 3)

Time cards are fed into it through a hopper and are automatically advanced. From them and the pay rate entered by the operator, the instrument computes total pay, subtracts the total deductions and prints the final figure on the check, all auomatically.

At the same time it posts five original records, without carbon, numbers and protects the checks, and prints the employees stub.

In addition, the machine can be converted to a distribution or analysis machine for use in processing quarterly reports and other payroll records merely by depressing a key.

According to a representative of the manufacturer, some of the large firms using this equipment are General Motors, Studebaker, Chrysler, Singer Sewing Machine Co., the Air Force, Ford Motor Company, Pittseburgh Steel, Heinz Co., and Librascope, Inc.

PROUD FATHER

Horace Jacobs of Publications, is the proud father of a daughter born December 9th. The baby weighed ten pounds, three ounces and both she and her mother are doing fine.

Precisioneer Officers Named Loy Thompson Heads Slate

NEW OFFICERS
Pres. Loy Thompson, Mod. Shop
V. P. Lyle MacDonald, Mach. Shop
Executive Board:
Joe Riddle, Engineering
Carl Culver, Dust Free Rm.
Ralph Woodward, Jig Bore
Roy Van Holm, Mod. Shop

An expanded program, with emphasis on activities in which the swing shift can participate, is one of the goals of the new Precisioneer officers, according to Loy "Tommy" Thompson, 1953 president.

Thompson, who was elected by employees last month, expressed confidence in his fellow officers and praised the Precisioneer Officials who piloted the organization through the eventfuly 1952.

In the new officer slate is seen a greater representation of shop employees, who include a majority of Precisioneer members. Both Thompson and Lyle McDonald, vice president, work back of the firewall as do three of the four members of the board of directors.

The new president urged anyone with ideas about the 1953 program to contact the officers and promised that they would consider any reasonable suggestions.

"I humbly appreciate the honor you have shown by electing me to serve as president of the Precisioneers for the ensuing year and will faithfully perform the duties of this office to the best of my ability." Thompson said.

"I know I have a fine bunch of officers to work with. To do your wishes is our desire so contact us and let us know what you want," he said.

Thompson has been at Librascope since August of 1945, when he started as an experimental Machinist. He is now a toolroom machinist in Model Shop.

"Mac" McDonald, 1953 vice president, is assistant foreman in the lathe section of machine shop. He has been with the company since 1948.

As chairman of the dance committee Mac is currently racking his brain in the hope of coming up with an improved and expanded dance schedule for the coming year.

With the election, a reorganization of the Precisioneers takes effect.

The principal change is the formation of a board of directors. Composed of six members, including the president and vice president and four elected directors, this group will make policy decisions.

No regular meetings of the board have been scheduled but the six will confer from time to time as necessary.

Also the positions of secretary-treasurer and gift chairman has been eliminated. Their functions have been taken over by the Precisioneers secretary, Eileen Brown.

Co-Workers Mourn Ray Harris Death

Friends and co-workers of Ray Harris, of Adjustment, were saddened by his sudden death on January 2. He had been employed at Librascope for six and a half years.

Harris died at his home at 3008 Petite Court, Los Angeles. Graveside services were held at Forest Lawn, Glendale, January 6.

Ray was highly regarded by his co-workers as a very efficient and dependable fellow. He also had a keen interest in his work and an unusual ability in mechanics and a good working knowledge of electronics and mathematics.

Harris was born October 19, 1898 in Pueblo, Colo. He came to Los Angeles in 1927 and was employed by the city department of water and power for 18 years before coming to Librascope.

He leaves his wife, Mary J. Harris, a step-son, Edward Knudsen, a stepdaughter, Marguerite Reese, and two grandchildren.

Do YOU Have A Requisition, TODAY?

As the man with the requisition got off his knees after pleading with the resolute Outside Production Manager, Bob Glaessner, and intrepid Norm Nelsen, Senior Buyer, he simultaneously heaved a sigh of relief knowing all would be well now, and dashed down the hall to write another of those "wanted yesterday" requisitions.

Yes, everything was going to be all right now, Mr. Requisitioner—how could it help but be under the watchful eye of Marsh Cowan, the guiding hand of the Purchasing Department.

Little dramas along the lines of the one described above add spice to the daily routine of the Purchasing Department. Let's follow the travels of an ordinary requisition (we receive approximately 225 per week), which may have originated in pratically any department, to see clearly the goings-on of this departmeit.

The arrival of such a requisition starts the wheels rolling in the complex machinery required to perform basic fundamentals of modern purchasing—source, negotiation, quality, price, and delivery—in the Purchasing Department.

After being date stamped, the requisition is given to Mr. Cowan for his expert perusal. He notices any discrepancies and determines the recipient of requisitions—whether it will go to Bob Glaessner, Norm Nelsen, or be handled by himself.

If it should be that Bob Glaessner, head of O.P., receives the requisition, he will, in turn, give it to one of his five O.P. Liaison —Bob Rowen, Phil Rousseau, Bill Meginness, Mel Mapes, or Jim Jones. Or, if it should go to Norm Nelsen in the Purchased Parts section, he decides whether he, Roland Smith, or Bill Balch will order the material requested. The person who gets the requisition is officially responsible for it from that moment on, as it is logged in to a particular buyer by a status clerk.

The status group, composed of clerks and typists, is headed by dauntless Edith Hoeltje, who—with the aid of her seven assistants—records and maintains all permanent files needed to support the 1,000 plus orders that are placed per month, and at the same time manages to unravel practically any problem which may arise regarding the department.

Back to the adventures of our requisition — now the material listed thereon is transmitted by phone, formal written quotation, letter, or wire to probable vendors. The vendor with the best quality and best possible price and one who can deliver — in other words, the most for the least — is then given an opportunity to help us out.

The purchase order is now ready to be typed and copies are sent to all persons affected in and out of the plant.

More on Page 2, Col. 4

Shutter Bugs Form Club; Elect Officers

A group of Librascope photography hobbiests who have been holding informal get togethers during their noon hour have taken the first steps toward formation of a camera club with the election of officers this month.

The officers are Lee Duggan, of Publications, president; Dean Frederick, of Drafting, vice president; and Red Brown, secretary-treasurer.

The club is not a Precisioneer activity but the result of efforts by Roy Pedigo, engineering lab, Dave De Hass, engineering, and Frederick, to compare notes and pictures with other photophiles.

First Aid Room In New Location

Attention was called last month to the new location of our nurse Mary Snyder, R.N.

She is now located in the first aid room in the new addition to building number one, just in back of the Drill Press section of the machine shop.

The move provides larger quarters and enables better handling of first aid requirements.

Diversified Differentials — Model T's to Mks & Mods

Gear differentials were accepted as a part of the natural phenomena—on a par with Coke dates and football games—when we hot-rodding out way through high school in stripped down Model T's and A's.

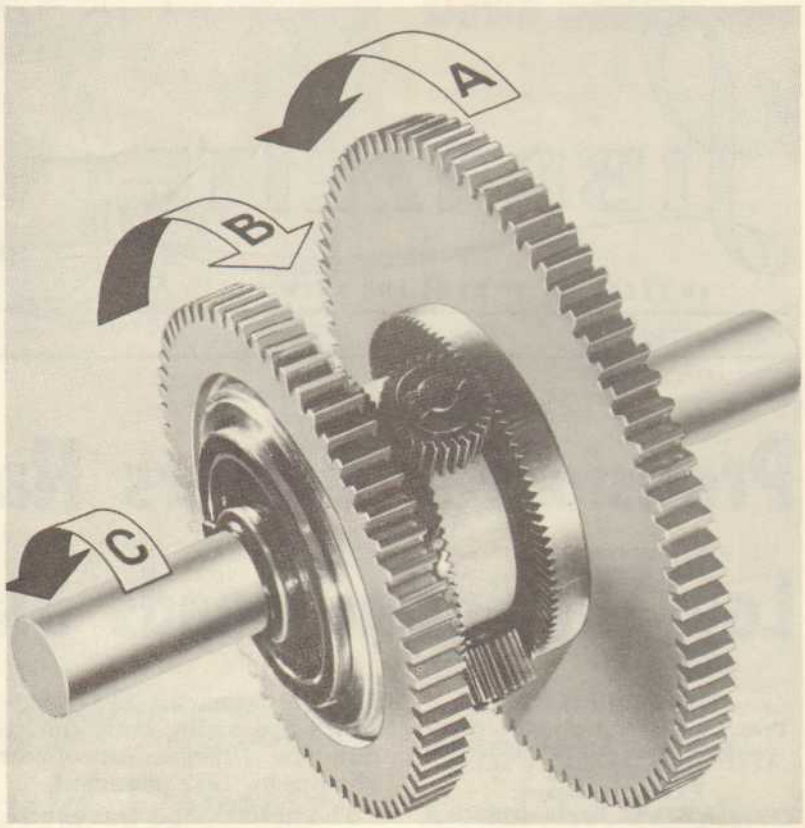
Today, however, we give expressions of deep gratitude to that mechanical genius who first installed bevel gear differentials in the rear axles of gas buggies. Without differentials, nine out of ten of our pre-graduation day power skids and moonlight races would have left us, and our jalopies, bruised and battered traffic statistics.

The dictionary defines a differential in an auto as an arrangement of gears that allows one of the rear wheels to turn faster than the other when the car is going around a corner or curve. No better illustration of differential-less vehicles is there than the Wild West stagecoaches that tack and yaw across our TV screens and slide into 4- or 6-horsepower skids at the slightest provocation.

During our high school days, if we paid any heed to an auto differential at all, it was to ponder briefly over the fact that when the rear end of our A-Model was jacked up and we happened to turn the left wheel, the right wheel would also turn—**but in the opposite direction!** It was much later that we learned that there **was** an answer for this strange occurrence.

Mechanical differentials are of two general types: the familiar auto "'bevel gear" and the spur gear differential. Both have the same action, both are utilized to a high degree by our company.

To the uninitiated it is sometimes difficult to realize that the shining little group of aluminum and steel gears and shafts—easily held in the palm of milady's hand—is capable of doing both addition and subtraction. As its two inputs change, the differential produces a series of answers continuously and accurately. The



Spur Gear Differential

name "differential" is derived from these answers: the **difference** between amounts.

If we should then turn A and B in **opposite** direction, each one revolution, C would not move from its original position. It is obvious that we have all the necessary ingredients for both addition and subtraction in the same small package.

The use of the two end gears, A and B, as inputs is not mandatory; the spider can be made one of the inputs and one of the end gears the output according to the requirements of the design engineer.

One maxim we must keep in mind: the scale factor per revolution of the spider gear is always twice that of either end gear whether it is being utilized as an output or as an input.

What comprises this amazing mechanical midget? The differential adds or subtracts the total revolutions of its two end gears (identified in the illustration by the letters A and B). The product or output, of A and B is produced on the inner, spider gear assembly. The spider gears are mounted so as to turn freely while the spider assembly itself is pinned to its shaft or "C".

If it were possible to hold one of the input gears stationary—A for instance—and turn the other end gear, B, spider shaft C would turn one-half revolution.

If both end gears were turned one revolution in the **same** direction, the spider shaft would then turn one revolution in the same direction.

In a modern fire control system, differentials are used in combination with the other mechanisms to aid in the solution of any one of half a hundred highly complex problems. The problems might call for the measuring or controlling of speed sums and speed differences; angular sums and angular differences; the accurate control of speeds and positions; indicating and controlling torque and speed direction or indicating and controlling rates of acceleration and deceleration; shifting angles between rotating shafts; providing reliable clutches for connecting and disconnecting power or providing power transfers. Or the solution of many another problem calling for the most reliable, accurate, simple process available.

Design engineers throughout the world have turned more and more to the differential in their continuing quest for solution or measurement and control problems.

Features of the Librascope differential, including its low weight and small size, have gained wide acclaim: these are a very low inertia factor, smoothness of operation, and extremely high accuracy.

A 1953 computer may contain as many as 200 differentials — precision-made products doing a precise job, unseen and unheard — a far cry from the **one** differential that was the main stay in the rear end of that versatile old Ford!

by Bill Tracey

Promotions

John Constable from Machinist-Spec. Drill Press to Machinist-Radial Drill; Billy Hargett from Stockroom Clerk to Assembler-Final; James Grieves from Oper.-Milling Machine to Mach.-Milling Machine; Henry Boyd from Oper.-Milling Machine to Mach.-Milling Machine.

Thomas Pinkston from Oper.-Milling Machine to Mach.-Milling Machine; James Gaines from Burrer to Maint. Mechanic Helper; Elmer Blake from Adjuster-Leadman to Assistant Foreman-Adjusting; Doris Appleby from Burrer to Assembler-Final.

Philatelists Invited To Compare Notes

An invitation to all philatelists (if you don't know what it means, you aren't one so stop complaining) to arise and unite has been extended by Cesar Goldstein, tool

Goldstein says he would be happy to get together with other stamp collectors (now you know) and exchange knowledge, trade a few rare stamps and perhaps talk about forming a stamp club.

Fred Jones Brother Dies Victim of Air Crash

Librascope employee last month extended their sympathy to Fred Jones, of Adjustment, in the death of his brother, Sgt. Sam Jones, Jr., a victim of the air crash at Moses Lake, Wash. Fred and his family are from Greenwood, S. C.

Off The Top

by Lewis Imm

One of the topics of greatest interest at the start of a new year is future planning. Unfortunately, security provisions prevent detailed description of most of the work that we will be doing at Librascope during 1953, but we can discuss the outlook in general terms.

Most om the production items we have been working on will continue at present or slightly greater rates over the entire span of the new year. Where some drop off, other programs will be accelerated to equalize the load. Quite a few new people will be required in Assembly and Adjustment in the next few months. The assistance of all in bringing in these newcomers and helping them start their work will be greatly appreciated.

Two new projects will be put into production during the last six months. One is the Airborne Periscope of our design and the other the units of the Airborne Navigational System developed by our sister company, General Precision Laboratory.

Our Engineering Department is working on several new development contracts. We have been one of the leading companies in anti-submarine development for some time but recently we have expanded this activity to the development and design of complete systems, each of which contains many elements such as computers, recorders, plotters, analyzers, and other units for display and transmission of data.

We are also expanding our activities development-wise in airborne equipment. One of these is a digital computer for use on bombers which we hope will be one of the first successful units of this type to be put into production.

All of the development work being undertaken has good long-range production potential, extending as far ahead as 1957 and 1958.

The magnitude of the development program will call for construction of many experimental and pre-production units. The Model Shop will be very heavily loaded for the entire year.

Our commercial efforts will concentrate on early completion of several units which have been under development for some time, together with widespread exploitation of our computing and automatic control techniques for commercial application.

The production of components such as integrators and differentials will be stepped up to meet the increased demands. We have been making a great deal of progress with magnetic amplifiers and it appears these may have a great market.

One or two additional items show real promise and we are determined to have a purely commercial line of products started by the end of this year.

Around the Plant

On weekends, both Ed Hirt and Jack Gallaher can be found busily engaged in the construction of their homes, providing their own labor in most instances.

Josephone Hernandez, better known as "Little Joe" from Wiring Dept., is the proud mother of a six pound baby boy born Dec. 15th.

Born to Carl Doolittle (drafting) and his wife at St. Joseph's Hospital on January 3-53, their third son, weighing in at 7 pounds 15 ounces. No name yet, they, alas, were hoping for a girl!

Charlotte Hoskinson (blueprint room) and her husband "Hosky" drove upto Boise, Idaho to spend Christmas with her family.

We do not plan any expansion in space during 1953 although some areas may become a little crowded. We are directing our efforts toward better scheduling, production planning and in-plant training, which should not only increase output but result in a feeling of individual improvement.

We have a great future ahead for us at Librascope and we wish to provide the means by which everyone can feel that they have a real part and a real stake in that future.

More

Blame Purchasing Lines Are Busy?

Story on Page 1

But, the tale doesn't end here — the buyers are all kept busy following up on placed purchase orders, often running into much trouble "due to circumstances beyond our control", so the vendors say. Now the real problems begin. O.P. men and Purchased Parts buyers alike use their trusty phones, telegrams, and pleading letters to best advantage.

At times the entire personnel in this department are using their phones at once, and one might wonder, "how can they hear themselves think?". To many it remains a mystery. Nevertheless, these telephone magicians and correspondence artists use their talents to the fullest degree, and woo their vendors into doing close to the impossible.

The O.P. men are frequently "in the field" either picking up urgent parts; helping vendors by assisting the min making plans for expediting our work; or investigating the feasibility of using a newly recommended vendor.

Throughout this busy routine, prospective vendors and present vendors pay visits to all buyers, hoping to show them how superior their products are to those of their competitors. They use different forms of approach and persuasion consistent with acceptable and ethical practice in modern salesmanship; but our stout-hearted men take it all in their stride and don't let such actions sway or influence their sane decisions in placing orders. We really appreciate having salesmen call on us to keep us on our toes and let us know "wot's new" in today's tools and materials.

The department itself has grown by leaps and bounds and at present keeps nineteen employees jumping to keep materials rolling into the plant, so that we can get there "fastest" with the mostest", when it's needed.

What can we buy for YOU, today?

by Lois Roberts

PARTY AT SMOKE HOUSE

Audrey Harer and Lorna James will be given a party at the Smoke House on January 31st. Audrey, Production Control,, has been a Librascope employee since January, 1951 and is quitting now to vacation awhile. She plans to attend the Mardi Gras in February. Lorna will be celebrating her birthday. The girls in Production Control and Blue Print will be hostesses.

Killer Boat Squids Controlled Librascope Gadgets Do It

Ever wish you had a "glamour job?" Well stop to consider. Maybe you have got one!

"Corn" is probably the word you are about to apply to this idea — if you are polite — but think back. Remember, during the previous war, all the glamour attached to the coast artillery "mechanical brains," those monsters of the future that actually figured out where a ship was when it wasn't visible, set the charges and fired the guns. Remember those shockers about gigantic naval battles where none of the ships ever saw the enemy vessels, or the glamour attached to the "Norden Bomb Sight."

And the Librascope balance computer was hailed as an "automatic brain" and a major advancement in aviation in a 1940 issue of Popular Aviation.

Sometimes we get to close to our work to realize what the "outside world" thinks about it. A recent article in Popular Mechanics was a little startling in its presentation of a project in which Librascope has an important part.

The article headlined British and Canadian "Killer" frigates, a fleet fo fast ships designed to meet the Soviet's U-boat threat. It described the Frigate's anti-submarine armament as including a depth charge battery, a torpedo battery and a newly developed "squid" battery.

The latter, the article said, was a triple-barreled mortar similar in action to the World War II "hedgehogs," and the writer made their operation sound most remarkable and futuristic.

Librascope's place in this project is the development of a fire control system for similar U. S. ships.

A fire control "system" is a group of instruments which is between the underwater listening equipment that finds the target and the weapons installed on he ship to destroy that target. The instruments to be built on jobs 136, 127, 138, and 140 will be used for squid and torpedo fire control aboard the U. S. killer boats.

The problems the system must consider in order to give the weapons correct hitting information are numerous. First there is the direction and speed of own ship and the target's position terms of bearing, depth and distance from own ship — which are continuously changing.

When the system has this information, it has to determine the target's speed and direction. Using this it has to predict the future position of the sub, most important, where the sub will be when (we hope) the missle hit it.

This means taking into account how long the projectile will be in the air, (which in turn varies with how far away the target is, or will be) and how long it takes the missile to sing to the depth of the target.

The fire control system for the squid considers these problems and many others. And, like any good fire control system, it solves these problems automatically and continuously while an attack is being conducted — after finding the target, only seconds are available.

Sound glamorous? Maybe not. But then we build gadgets like this every day.

About Our Mrs. Boice

Mrs. Effie Boice

It is a minor tragedy that people learn to take small favors for granted.

Every day the front office worker sits down to a dustless desk, once in awhile freshly waxed. He lights a cigarette and smokes it, then grinds it out in a spotless, ashtray. He looks up at his desk calendar to see what day it is ("maybe its Sunday and I'm dreaming").

But is there ever a thought of who provided these services?

At the end of the day there are two or three coffee stains on the desk, the ash tray is full and ashes are ground into the pores of the glass, the calendar is turned over to sometime in May ("how can I get an extra day of vacation out of Memorial Day weekend"). But the next morning everything is back to normal—if someday it weren't the gripes would be felt in Tehachapi.

It's the same in the women's powder rooms throughout the plant. Every morning the magazines are stacked neatly; the ashtrays emptied and polished.

And the person responsible for these motherly touches that are felt by so many is "our Mrs. Boice" who is known and seen by so few, but is one of the most lovable and unpretentious persons at Librascope.

It is this attention to small "unimportant" things, the little touches, as well as the willingness to help with the big things when called upon, that have won Mrs. Boice the most satisfying of rewards, that of being known as a "really wonderful, good, person."

Effie Hall was born on December 5th in Warsaw, Missouri. As a small girl she moved with her family to Sedalia, Missouri. Here she matured and later married Theodore Boice.

To them were born three daughters, Mrs. Doris Darby and Mrs. Helen Roberts of Burbank and Mrs. Lucille Mintey of Sunland.

The Boice's have been residents of Burbank for 30 years, having moved here in March of 1922.

During these years Mrs. Boice has kept herself very busy being a mother, housewife, church worker and working outside her home. Before coming to Librascope in 1945 she worked for the city of Burbank and the Emergency Hospital.

When talking to the daughters each one of them has the same thing to say. In time of need there was no one like their "Mom." She asks so little out of life for herself, but reaps her riches from helping others.

She has the highest respect from everyone in the company who knows her. The men are spoiled from the attention she gives their ash trays and drawing boards. When she was absent for a while on account of illness, they really complained.

The girls restrooms show the difference when she is away also. We don't always pick up everything as we should, Mrs. Boice, but we promise to do better in 1953.

Automatic Payroll Machine

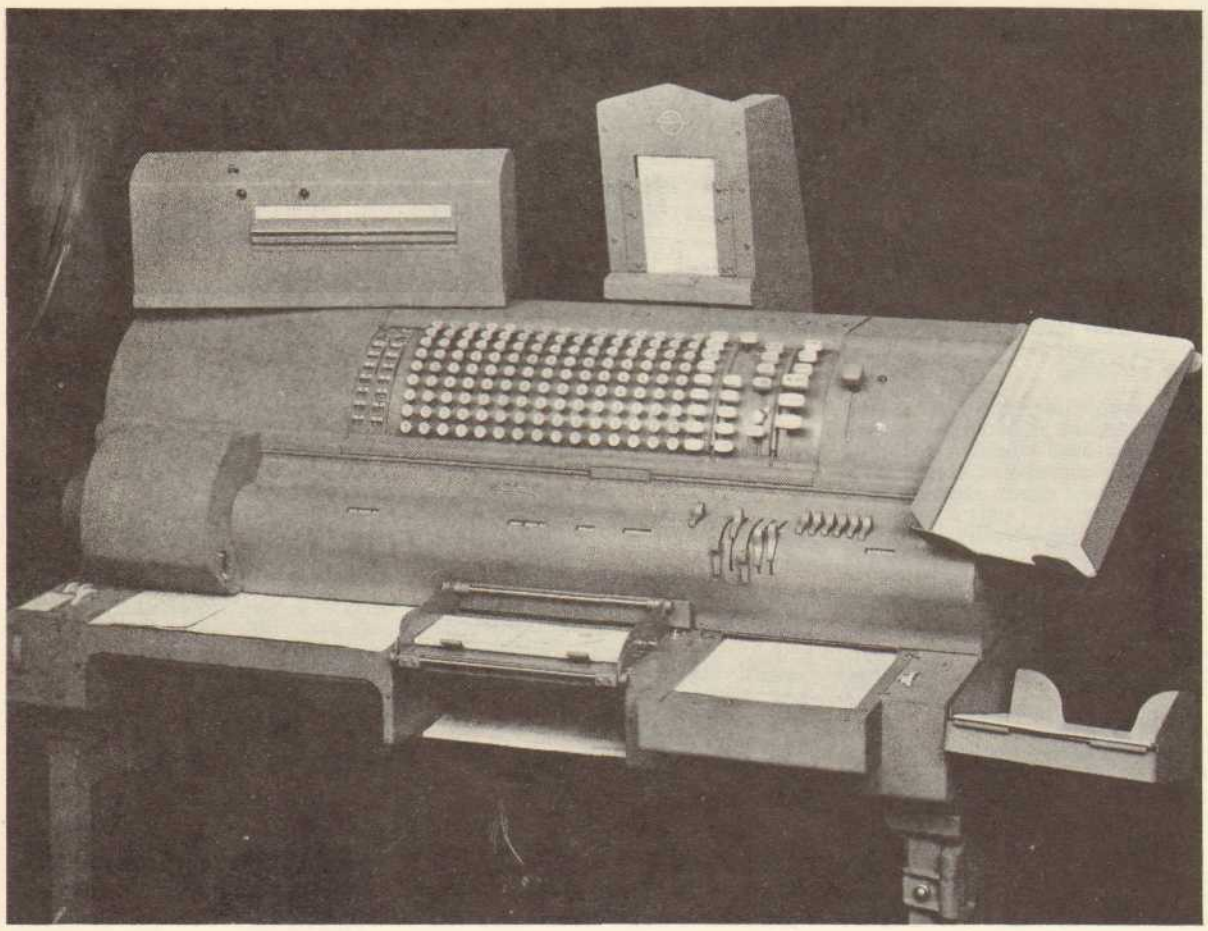


Photo Courtesy National Cash Register Co.
Story on Page 1

Union Members Elect Stewards

Union members last month elected Ted Donley, of Model Shop, and Robert Walker as day and night shift Chief Stewards.

Other Stewards elected by members of Lodge 1600, I.A. of M. included: Bill Given, Jig Bore and Lathes; John Haines, Mills, Tools Crib, and Machine Maintenance; John Veytia, Inspection, Tool Design and Grinding; Olive Knight, Model Shop; Bill Griman, Shipping, Receiving, Stock Rooms, Building and Ground Maintenance, and Truck Driver.

Stan Stauffer, Frank Kramer, Assembly; George Metcalf, Adjusting, Expiditors and Dispatchers.

Second shift stewards are L. Boido and Mac Williamson.

GRANDFATHER SECOND TIME

Phil Rousseau, O.P. Liaison, became a grandfather for the second time on December 4th when his daughter gave birth to an 8 pound girl. Daughter, baby, and Phil are all doing splendidly.

The LIBRAZETTE

Published by and for the employees of Librascope, Inc., 1607 Flower Street, Glendale.

STAFF

Jim Lewis, Editor
Juanita Delle Fave—Drafting
Jay Wiltsie—Engineering
Doris Appleby—Machine Shop
Patricia Swope—Patents
Bernadette Johns—Accounting
Max Goshkin—Machine Shop
Keith Kinnarird—Publications
Mac McKeague—Personnel
Wally Tyler—Assembly
Carmen Parks—Machine Shop (nights)
Dick Hastings—Personnel
Carl Culver—Assembly
Arlene Hesse—Inspection
Chuck Tylersmith—Machine Shop

Adventurer, World Traveler Lives In At Librascope

We decided that it will not be the policy of The Librazette to publish editorials. But, in as much as it is the first month of a new year, and since your editor has always wanted . . . (Go away Lippy. Can't you see I'm busy) . . . a Pulitzer prize, we have decided . . . (Later Lippy, later) . . . to get a few things off our chest . . . (No, Lippy, it is not plural that is an editorial "we") . . .

(You will have to pardon these interruptions, dear readers, this Lippy character keeps butting in and it is so near the deadline that I, or we, haven't time to edit out the remarks.)

First, we must point out that this paper is devoted to the public interest . . . (But Lippy, everybody wants their name in the paper. Just because you know me . . . Hmmmm? . . . So the typewriter is at the dge of the desk, maybe I like it that way . .)

Let's see, public interest, yes, and by public I mean you, the employees of Librax#$*$#.

Hey, Lippy, old friend, old buddy, would you finish this off while I go bandage my foot. Ah, somebody knocked the typewriter off the desk. . . .

i am lippy, which you probably know already. wot am i doing here—question mark—xcuse me about the punctuation and capitals marks but i cant hit more than one key at a time—well i'll tell you. after puttin in my hitches in the navy—i was a bosun most of the time—i got to thinkin. here are all these people working in factories and ever once in a while gettin hurt because they get careless and if there is anything a bosun knows about its getting careless, i mean not being careless. so i sed to myself why dont i go offer my services to some deserving company to help them keep their workers from getting hurt—question mark.

now i-ll tell you how i picked librascope. me and my first wife —oh, what a doll she was. lot of people said i had ruined my life —you see she was kinda dark but that was because she was half field mouse and a little wild too just because i met her in hong kong she was—but wot i started to say, she and i made ourself a nest in a librascope mark 4 when it was in a warehouse in diego and it was such a comfortable, neat little place, a little snug but warm—we lived in the drip proof part on the first floor—that i decided to look up librascope.

so when i got out and back to the states i went into see this fella imm and i told him what i had in mind. now look mister imm, i said, if it is safety you are worried about i am your man. i been chased by alley cats in brooklyn, sacred cats in Cairo, manx cats in mandalay, and if i didnt know about safety backwards and forwards, i will tell you, i wouldnt be here today. and this imm fella just sat there staring at me as though he didnt believe it but let me tell you its true about those cats i-ll tell you about a cat i ran into one time while on liberty in panama. i had gotten ahold of some bad cheese and wasnt feeling to good when.....

This is your editor again friends. Lippy gets carried away now and then so I sent him out to check on some female-type hazards while I finish this story.

Lippy is really a pretty good little guy except for one quirk. He is crazy for safety. How a little guy like him can get around so much I don't know but he can spot more safety hazards than any five humans.

He walks around up in the wood work, overhead, he calls it, and when he does spot a hazard he is like a man on fire. But then you will see what I mean later.

That quirk is how he happened to get into the office tonight. We were going to talk to him about posing for our next safety cartoon. So now he wants to fill the paper with poses.

He says he worked on a newspaper himself once and knows we will have to leave the front page for written matter but . . . Anyway we compromised and will have to use one picture of him each time to keep him out of our hair. We will try to keep it down though.

Librascope Cagers Down Bendix Five

After getting off to a slow start the Librascope basketball team moved into the win column by beating the Bendix five January 14.

The score of this game was 39 to 31. In previous games they lost to Technicolor 47 to 13 and to the Flying Tigers 45 to 19.

Librascope is a member of the Burbank Industrial League. Besides the above teams the league includes Collins Radio and P.A.C.

Don Cady of Grinders, the team's player-manager, listed the following high point men: Dick O'Conner, 12; John Kershaw, 8; Bob Bible, 6; Carl Frain, 4; Wilmar Young, 4; Ed Bell, 3; and Russ Erickson, 1.

Also on the squad are Dick Schmaus, Tony Norega, Elbert Akin, Jack Nelson, Bill Sorneson, Jack Parry, and Cady.

The manager opined that all round play is improving with every game with the defensive work tightening up considerably.

Drips Hold Slim Lead In Bowling

The Drips, captained by Mike Barbato, held a narrow lead in the Librascope bowling league as of press time.

Barbato's team had won 48½ and lost 23½ games. Close behind were Johnny Delle Fave's Big Five with a 47½ to 24½ won-lost record. Other team standings were:

Fire Balers	40	32
Hadacol Kids	36	36
Clorophyl Kids	32	40
Bottlenecks No. 2	28	44
Stinkers	28	44
Hi Five	26	46

Here and There

Jessie Ferris, Purchasing, really has the company's interest at heart. When she tried to sharpen that little bit of pencil that she couldn't bear to throw away it got stuck in the pencil sharpener and she had to call on the stronger sex to liberate said stub of pencil. (At last report she was still using it.)

Bob Davis, Pen Markham, Hal Hamilton, Wayne Blackburn and Bob Nielsen, all of Electronics and Arnie Brown of Engineering, spent a weekend in the bleak wilds of Death Valley prospecting for gold. They found some, too. Luckily one of the fellows had brought along a magnifying glass so they were able to examine it closely. Pen plans a return trip soon—probably to guard against claim jumping.

The people in Receiving missed Louise Morton so much when she went on a two week vacation to Louisana recently, that they wired her one dozen yellow roses.

Shelly Levin and the IBM machinery are being moved from the Analysis Laboratory to Plant No. 1.

Ed Jackson's wife, who has been ill for some time, is reported much better. Glad to hear this.

LOST — Will everyone kindly be on the look-out for a pair of spectacles belonging to George Chianello. He is very anxious to get them back so he can play ping pong again.

Congratulations to Walt Newcomer, engineering, and his wife on the arrival of their second son, Stephen Craig, born on Christmas Day.

It's Not A TV Set

The gadget pictured above, sometimes referred to as the TV-machine, is formally known by the name Jones and Lamson Optical Comparator.

It is used by machine shop people to check visually small parts as to size and shape.

While most mechanical gages used to check small parts "feel" the size and shape of the piece, the comparator provides a method by which these qualities can be seen rather than felt.

The part is placed in a jig in front of the instrument and a light shined on it. The shadow cast by the part is magnified and projected on the large round screen and this shadow measured.

The comparator pictured will optically enlarge a part for inspection from 10 to 100 times and can be used to measure dimensions to one ten thousandth of an inch.

In some plants photographs of the enlarged parts are used to maintain records for quality control purposes and often for replacement of interchangable parts.

It is commonly used to check parts such as small fine pitch gears used in watches, instruments and gauges. Pen points, phonograph needles, taps, threaded hobs, knitting needles used for hosiery manufacture, zipper components for clothing and printing types are also checked with these instruments.