

LIBRAZETTE

AN EXCHANGE OF NEWS AND KNOWLEDGE

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APRIL, 1964

SED to Sell Surplus Through Sealed Bids

(GLENDALE) More than \$100,000 worth—at original cost—of office, engineering and production equipment, is to be sold as surplus through sealed bids by the Surface Equipment Division.

Reduced business volume in the division brought about the decision to convert the capital investment in unneeded equipment into cash.

The surplus includes 110 drafting tables, 85 drafting machines, 85 executive type desks, 30 stenographer desks, numerous tables, chairs and work benches from SED, the group office and CCD.

SED hopes to recover 50 percent of original cost, according to Carl W. Plath, Jr., division supervisor of property control. Lists of the equipment have been circulated among other government contractors in the Los Angeles area. Bids for all, or part of the offering will be closed around April 15.

AED Shifts to Aerospace Group; Now Part of Kearfott Division

RWL Statement

As LIBRAZETTE went to press, R. W. Lee, President of the Librascope Group, issued the following statement to all employees regarding the AED shift to the Aerospace Group.

"I feel quite sure that the move of Librascope's Avionic Equipment Division to the Aerospace Group is a good move for everyone concerned, and I would like you to know my reasons. Briefly, they are these:

"It is good for Librascope because it allows the top technical, financial and marketing management of Librascope to focus its resources more closely on the operations, products and programs in Glendale and Burbank.

(turn to page 2)

(GLENDALE) Librascope's Avionic Equipment Division at San Marcos has been shifted to the Aerospace Group, GPI and will be operated in the future as the West Coast facility of the Kearfott Division.

Robert B. Handelman, vice president of Kearfott's Electronics Division has been named to head the AED operation. He succeeds Fred A. Darwin.

Operating control of the Avionic Equipment Division passed from Librascope Group to the Aerospace Group on March 18. Transfer of the support services currently provided by Librascope is to be completed by July 1, 1964, according to Aerospace Group President Fred D. Herbert, Jr.

In a letter to all AED employees, D. W. Smith, president of GPI, stated that GPI management sees many advantages to both the corporation and AED employees in the transfer to the Aerospace Group.

(turn to page 2)

1963 Medical Bill Of \$809,364 Paid By Employee Benefits

(GLENDALE) Librascope's employee benefits program paid out \$809,364 during 1963 for employee and dependent medical and hospital care and in life insurance claims to employee survivors, according to a report from A. R. Pederson, Librascope Group supervisor of employee benefits and services.

Largest single item in the benefits list—\$350,591—was for medical and hospital care for wives and children of employees. In two instances, benefits in the dependent category exceeded \$5,000.

Claims for employee medical care and hospitalization totaled \$316,773. The largest single benefit paid was \$7,000.

Death benefits paid to beneficiaries of nine employees totaled \$142,000, Pederson said. The largest single benefit was \$40,000, under the insurance plan's accidental death clause.

Disbursement of the benefits was made through the Aetna Life Insurance Company, Librascope's insurance carrier. More than 10,000 checks were written to satisfy the claims.

\$2,189,425 Award

(SAN MARCOS) The San Marcos facility of the Kearfott Division, Aerospace Group, GPI, has received a letter contract for \$2,189,425, covering the production of additional AN/ASN-24 computer sets, spares, test equipment and software for the Air Force C-141 jet-powered troop transport program.

The contract, to be definitized at a later date, will carry ASN-24 production for the C-141 program through 1965.

Award was made through the Aeronautical Systems Division of the Air Force Systems Command at Wright-Patterson Field, Ohio.

Retirement Benefits Paid Two On Layoff

(GLENDALE) The unique eligibility provisions of Librascope's Retirement Income Plan for hourly employees, are graphically illustrated in the recent retirements of two veteran SE Division production department employees.

Both Felix Dufour, tool designer, and Walfrid O. Chellgren, toolroom grinder, had been on layoff, Dufour since Nov 6, 1963, and Chellgren since March 27, 1963.

Neither, however, lost their eligibility for retirement benefits, because the Plan provides that all laid-off hourly employees, if they are subject to recall, retain their benefits eligibility.

Dufour, who joined Librascope Dec 9, 1957, retired March 1, just four weeks after celebrating his 66th birthday. Chellgren, an employee since Jan 11, 1958, retired April 1, 11 days after he became 71.

Correction!

The first Precisioneer Golf Club tournament of the year will be held April 11, not April 18, as stated in LIBRAZETTE for March. Site of the event is the Whispering Lakes course in Ontario.

AED Shift . . . (from page 1)

It is planned, Mr. Smith said in his letter, to continue the AED operation along its present lines. Sales efforts will be increased, he said, and greater support will be provided in the development of air and spaceborne computing equipment.

Mr. Smith pointed out that the transfer had first been discussed when GFI formed the present operating structure of Aerospace Group, Link Group and Librascope Group. Action was deferred, he said, because of the formative nature of AED at that time.

"The San Marcos operation will be greatly strengthened by this direct association with a group wholly engaged in the avionic control equipment area," Mr. Smith further declared.

"Your Division will give Kearfott a strong facility which has been badly needed, to both handle its substantial West Coast business and to give the Aerospace Group a digital computer capability for their airborne guidance and control system requirements."

"Our goal is to make this part of General Precision a good place to work and to provide both job security and growth for the future. I look forward to continued growth . . . and ask your help and uninterrupted support in building together a stronger and better General Precision, Inc."

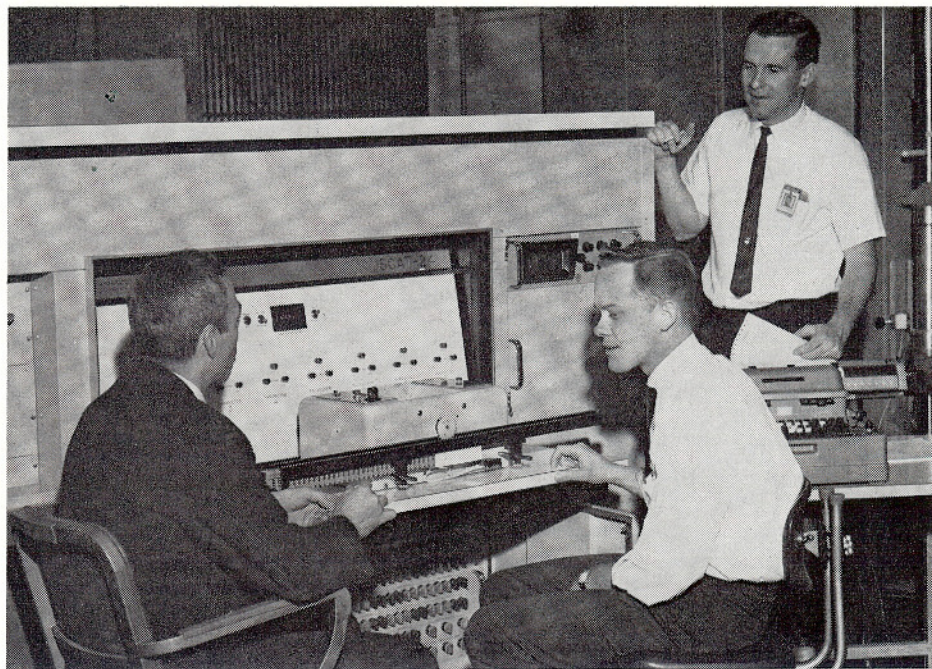
RWL . . . (from page 1)

"It is good for General Precision because it clarifies the charters of the respective groups and integrates all systems and subsystems for aerospace guidance and control under one technical, marketing and financial management.

"It is good for the Avionic Equipment Division because it provides a better outlet for its capabilities through the support of a large technical and marketing organization oriented 100% to the aerospace market.

"At the present time the many areas involved in this transfer are being jointly studied by our people and Aerospace Group representatives in order to define the work relations between the two Groups during this interim period and in the future.

"I am sure that the transition will be smooth and I know that all of you will want to join with me in my wish that the operation will be an unqualified success."



SCAT 24-2 is what this huge electronic device in SED Reliability is called. SCAT means Sequential Component Automatic Tester and it gives eight different paramater tests to a component in just three seconds, punches its report on a tape and prints it on a typewriter at the same time. Reliability Engineers Frank Haskins and Norman Wirtanen and Senior Engineer Mark McDermott pose with the new addition to their working tools. (See accompanying story.)

SCAT (No Hep Talk This) Tester Saves Reliability Time and \$\$\$

(GLENDALE) A sort of cousin to the big digital computer systems that Librascope builds for the Navy and the Air Force, has been put to work in the Reliability Section of SED, to help determine the reliability of electronic components.

Called SCAT (for Sequential Component Automatic Tester), the machine can give a component eight different tests in three seconds, and record its report on a digital volt meter, on punched paper tape and a typewriter simultaneously.

SCAT 24-2, to give the machine its full name, was built by the Continental Device Corp, of Hawthorne, Calif. In the form used by Librascope, says Mark McDermott, senior engineer in Reliability, it is the first of its highly complex kind.

Like a computer, SCAT is programmed to carry out its tasks independent of the operator. The program is prepared by punching holes in a standard punched data card on a standard key-punch. It is capable of testing hundreds of components in rapid sequence.

However, it is not in wholesale testing that SCAT is most useful, says McDermott. It is the machine's high speed, built-in capacity to detect error, the number and variety of its tests and the form in which it presents its findings that make it a valuable addition to Reliability's scientific equipment.

"SCAT will make possible further economies in our operations," says Herbert Meyer, manager of the Reliability Assurance Department.

"We will be able to do more work in less time and at less cost, than we did when this type of work was a semi-manual operation."



UP THE LADDER

Frank L. Webb, who first joined Librascope seven years ago, has been promoted from junior quality control engineer to Foreman-Assembly, in SED's Assembly Dept.

Webb's first job with Librascope, after a three-year hitch ('53-'56) in the Army's 511th Airborne Infantry, was as production assembler. Subsequently he was an inspector - assembly, a leadman in the same area and then Foreman-Inspection.

He is married, the father of two and makes his home in Glendale.



WEBB

Reorganize SED Engineering; Now On Functional Basis

(GLENDALE) Jerry Deitz, who joined the then Shipboard Engineering department of Librascope eight years ago, has been appointed Chief Engineer of the Surface Equipment Division by Maurice Center, SED manager.

Concurrent with his appointment, Deitz, who previously was Director of Design Engineering, announced a reorganization of SED's Engineering Department, "to promote greater economy of operation, efficiency and service to the customer."

"Belt Tightening"

Deitz described the reorganization, as both a "belt-tightening operation which reflects the stringency of the times, and an effort to create a basic structure with a built-in capacity to expand or contract to meet multiple program needs."

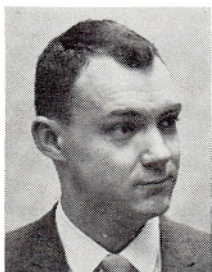
"We are set up on a functional basis," Deitz told LIBRAZETTE, "with each section and unit, such as System Design, Analysis, Electronic Engineering and the others, responsible for supporting the technical aspects of each current program."



DEITZ



APPLEGATE



CHAMBERS



SIMPSON

"These areas will supply technical personnel to Project Engineers or Project Managers for the prosecution of a specific program."

"These project leaders, each of whom will have complete responsibility for a project, will report directly to me, to the Division Manager or, conceivably, to the Group President, depending upon the magnitude, scope or complexity of the specific program."

"Administrative, financial and contract support to the project leaders will be made available from those specialty areas within, or external to, the Engineering Department."



POTTER



BARTLOME



ETTINGHOFF



STUPAR

FP vs CPFF

The new structure acknowledges, Deitz pointed out, that defense contracts these days are generally awarded on a fixed-price basis, rather than the familiar Cost Plus Fixed Fee of times past.

"This imposes increased need for economy," Deitz declared. "Our costs must be brought into line with today's realities."

The basic engineering organization is as follows:

Staff to Deitz: Senior Staff Engineers Clare N. Burgis and Roy I. Case, Jr.

Project Managers: FCS Mk 113, Robert E. Simpson; FCS Mk 114, Robert A. Chambers; ASW programs, Roy D. Bartlome.

Engineering Administration Section, Howard C. Applegate, Manager, with the

following units: Program Planning, Thomas E. Ross, Supvr; Technical Library, Nathan J. Sands, Supvr; Reproduction Services, Robert McEwen, Supvr.

System Design (Analog) Section, Richard A. Potter, Manager; Analysis Section, Robert D. Binz, Manager; Electronic Engineering Section, Marvin G. Ettinghoff, Manager.

Mechanical Engineering Section, J. L. Deitz, Manager (Acting), with the following units: Mechanical/Optical Design, Thomas A. Miller, Supvr; Electrical/Electronic Packaging, William D. Jordan, Jr., Supvr; Mechanical Labora-

Name C.A. Manganaro New CCD Finance Head

(BURBANK) Charles A. Manganaro has been appointed Controller and Manager-Finance, of the Commercial Computer Division. He succeeds L. J. Foley, who resigned March 28.



MANGANARO

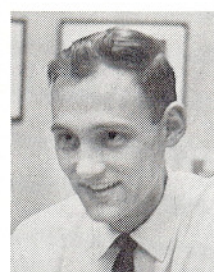
Formerly Controller and Assistant to the Treasurer of Soundsciber Corp., New Haven, Conn., Manganaro has long experience in the finance areas of management.

He is a former public accountant in Waterbury, Conn., and was on the financial staffs of the Connecticut Telephone and Electric Company and the National Semiconductor Corp.

Manganaro is married, the father of four and makes his home in El Monte.



WOLMAN



BINZ

tory, Fred Lenzen, Supvr; Drafting/Checking, Vincent J. Nahrstedt, Supvr.

Advanced Projects Section, Lane L. Wolman, Manager, Senior Staff Engineers James L. Cass and Jess Rifkind, and Staff Engineer John A. Felts. The section contains the Techniques Unit, James K. Berger, Supvr, and the Rotating Memories Unit, Frederick F. Harrison, Supvr.

The 473L Program Engineering Section is headed by Manager Wesley E. Stupar. The section is under the direction of George S. L. Kranz, 473L Program Manager, and consists of the following units:

Systems Development Unit, James N. Conway, Supvr; Logical Design Unit, Peter B. Tulst, Supvr; System Checkout Unit, William N. Glaister, Supvr, and the Programming Unit, William Kreager, Jr., Supvr.

"It is our intention to keep the 473L team together to continue on in the large computer Command and Control areas," Deitz stated.



WITH THIS BOOK, the set is completed. Some of the 32 separately bound books making up the FCS Mk 113 (SUBROC) set of technical manuals are exhibited by this happy team of SED Publications personnel. One of the set (of books) is the System Description volume, which was the last to be delivered. Final delivery, the occasion marked here, was made on Friday, March 13 (proving the team's conquest of the many problems which beset the project earlier).

Ken Luther, shown in the second row, directed this largest of Publications projects to a successful completion. Most of the

Publications team that supported him are shown here. They are, in front row, left to right, Jack Dolan, Marie Curry, Mary Godfrey, Suzi Smith, Mary Johnson, Thelma Mathewson, and Jack Bamberger; second row, left to right, Frances White, Julia Pedretti, Ellen Bunting, Shirlee Walker, and Ken Luther; and back row, left to right, Al Crisman, Norm Millar, Dick Wilson, Cesario Fernandez, Paul Kane, Jim Norwood, Joe Pardo, John Erickson, Keith Kinnaird, Dale Mattson, Pete Maimone, Roy Brown, Jess Pack, Fred Beindorff (partially hidden), Cecil Selman, Paul Lough, and Angelo Pizzo.

Publications Completes Biggest Project

(GLENDALE) Librascope has completed the most extensive publication project ever undertaken by the company—the writing, illustrating and authentication of 32 separate operation and maintenance manuals for the SUBROC project.

Each set of manuals contains 4,975 pages of text and illustrations, a total of 522,275 pages for the 105 sets published. The manuals document all units of the Fire Control System Mk 113, Mods 2 and 5, including associated test equipment.

The task was a project of the Publications Group of the Surface Equipment Division and was directed by Ken Luther, now editor-in-chief of the group. Alan Crisman was group leader for all system and system equipment manuals; Jack Bamberger directed the work on component and test equipment publications.

The team worked under the over-all management of Jack Pelamati, now Director of Logistics for SED, who assumed leadership of the Publications Group in late 1962. Despite a tight schedule, the project was completed on time—and on a Friday the 13th, too.

Robert Simpson, SUBROC project manager and Lee Simon, SUBROC contract administrator, were responsible for handling the effort as one phase of the total SUBROC project.

Technical review of the manuals, an important contribution to their accuracy and excellence, was carried out under the direction of Dave Crockett, Systems Engineering, assisted by Dale Hankins, Sy Roth, Andy Huot and Dick Gould.

Editing of the volumes was under the supervision of Jess O. Pack. Pete Maimone and Paul Kane, under the direction of Keith Kinnaird, art director, headed the art and production efforts. Standing between this team and the ultimate users — the SUBROC-equipped submarines — were those who saw to it that the books were promptly delivered: Mary Godfrey of Publications; Art Steiner, head of SED's shipping and receiving section and John Nessen, member of the Glendale staff of the Inspector of Naval Material (INSMAT).

Sheer bulk of the project is perhaps best demonstrated by the Digital Computer Mk 130 manual; this volume contains 783 pages and weighs 18 pounds, with covers.

Librascope launched the project in late 1959, shortly after hardware design began, meeting a requirement of the Naval Ordnance Laboratory (NOL) that the publications keep pace with the progress of design. As a result, no less than 5,000 separate transmittals, each representing a manual in one form or another, had been submitted for approval before the final versions were delivered March 13.

A rewarding highpoint of the demanding program, Pelamati told LIBRA-

ZETTE, is the satisfaction expressed by NOL officials with the final results.

An important feature of the project, Pelamati pointed out, is that all manuals have been validated against the associated hardware by Navy personnel, either at Librascope or aboard the submarines.

At present Librascope is preparing to undertake a maintenance program that will update the publications to reflect design changes made since the manuals' cut-off date was fixed. Librascope expects to continue with maintenance of the manuals for the life of the equipment.

Publishing of the manuals represents the final phase of the development portion of the huge SUBROC program—a program that has left just about every Librascope department weary—but satisfied.—J.O.P.

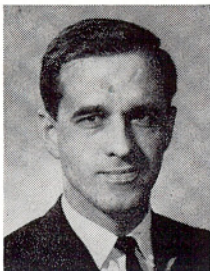
Call for Papers

Technical papers on subjects ranging from circuit theory to telemetry are being solicited by the National Electronics Conference, to be held Oct. 19-21 in Chicago. Abstracts and summaries should be submitted through the Employee Writing Incentive Program office in Glendale, by not later than April 20.

Walter Kenny New EDP Systems Mgr.

(GLENDALE) Walter Kenny has been named Manager, EDP Systems, in Librascope's electronic data processing center, by R. M. Anderson, EDP director.

Kenny has had long experience in aerospace company data processing. He comes to Librascope from the Space and Information Division of North American Aviation. Earlier he was with Curtiss-Wright Corp, Woodridge, N. J., and Federal Electric Corp, Paramus, N. J.



KENNY

An ex-Marine who served two tours of duty in 1947-50 and 1951-52, Kenny holds a BA/Econ degree from Columbia University and an MBA/Industrial Management from New York University. He attended NYU under a New York State Regents scholarship.

Kenny is married and makes his home in Anaheim. He and Mrs. Kenny are the parents of three girls, aged 7, 4 and three, and twin boys, one year old.

Sales Tax Tips For Income Tax Reports

For those of us who have lost sales receipts, or forgot to get them when making purchases, the following table is widely used as a guide in estimating—for income tax return filing—the amounts we have paid in state and municipal sales taxes.

Adjusted Gross Income	Sales Tax Payment Deduction
\$ 1000 and under	\$ 1500.....\$ 23
1500 and under	2000.....28
2000 and under	2500.....33
2500 and under	3000.....39
3000 and under	3500.....45
3500 and under	4000.....52
4000 and under	4500.....57
4500 and under	5000.....65
5000 and under	5500.....71
5500 and under	6000.....77
6000 and under	6500.....83
6500 and under	7000.....89
7000 and under	7500.....95
7500 and under	8000.....101
8000 and under	8500.....107
8500 and under	9000.....111
9000 and under	9500.....117
9500 and under	10,000.....123
10,000 and under	11,000.....131
11,000 and under	12,000.....140
12,000 and under	13,000.....148
13,000 and under	14,000.....156
14,000 and under	15,000.....164
15,000 and under	16,000.....172
16,000 and under	17,000.....179
17,000 and under	18,000.....184
18,000 and under	19,000.....189
19,000 and under	20,000.....195

The Internal Revenue Service said that this tax table is of use only to persons who itemize deductions. Claims in excess of the tax table figures must be supported by records and receipts.

Fires Threaten Glendale Homes

(GLENDALE) The mountain brush fires which raged through the foothill areas of Glendale and Burbank March 16, endangered the homes of many employees of Librascope's Surface Equipment Division.

Acts of valor by the employees, their neighbors and a group of students from Glendale College saved many of the homes from destruction.

Eileen Brown, Precisioneer coordinator, had the most hair-raising experience of all. Mrs. Brown was roused from slumber by youthful voices chanting outside the home.

"I thought at first they were friends of Jeff, my youngest son, having some fun," Mrs. Brown told LIBRAZETTE, "but a look out the window told me different."

Build Firebreak

Son Jeff and his college friends connected the lawn hose, broke out shovels and hoes and started wetting down the roof and chopping the nearby brush to form a firebreak. Soon the fire department arrived to add its strength to the battle and brought the fire under control.

Later in the day, however, there was another threat when a nearby patch of brush that had escaped the flames, was touched off by flying sparks and again threatened the house, with the flames reaching the eaves.

By that time, however, husband Eddie had reached home from work and, with Jeff and Eileen, held the flames off until the fire department paid a return visit.

Maggie Chaffin, writer-editor in SED's Publications Section, had a similar experience. She too, was aided by volunteer fighters from Glendale College, until the fire department arrived.

Absenteeism, understandably, ran high that day, as scores of employees stayed home from work to protect their homes. Many reported that the flames came within a few feet of their dwellings. All reported considerable damage from smoke and ashes.

Roof Crushed

For Bill Ryan, Quality Control engineer, the fire merely posed a extra threat. The windstorm that preceded the fire on the previous night, sent a large tree limb crashing down on his roof, through the attic and penetrating the living room ceiling. Next day's fire halted his removal efforts while he kept the lawn hose going all day wetting down the brush and the undamaged portion of his roof.

The windstorm, coupled with the rain which came a week later, caused considerable damage to SED buildings. The roofs of Bldgs A17, A02, A18 and A19 were weakened in areas which were undetected until the water started coming through Sunday night, March 21.

Name A. L. Powers Group Controller

(GLENDALE) Arthur L. Powers, for 25 years a member of General Electric's financial management organization, has been appointed Controller of the Librascope Group. He succeeds K. N. Beiriger.

Powers reports to Ray G. Johnson, Vice President and Treasurer. Reporting to Powers are General Accounting, Operation Accounting, Property Accounting, Data Processing, Accounts Payable, Accounting Policies and Systems and the division finance managers.



POWERS

The new Controller is a native of Philadelphia, and a graduate in economics and mathematics from Tufts University.

Powers joined General Electric upon graduation in 1935, spent five years in GE's Philadelphia organization, then shifted to corporate headquarters at Schenectady. After completing special training, he was given a variety of assignments, culminating in appointment to the traveling auditing staff.

In 1948, Powers was appointed Plant Accountant of GE's facilities in Oakland and San Jose. Eight years later he was named Comptroller of GE's wholly-owned subsidiary, Manufacturera General Electric S.A. de C.V., in Mexico City.

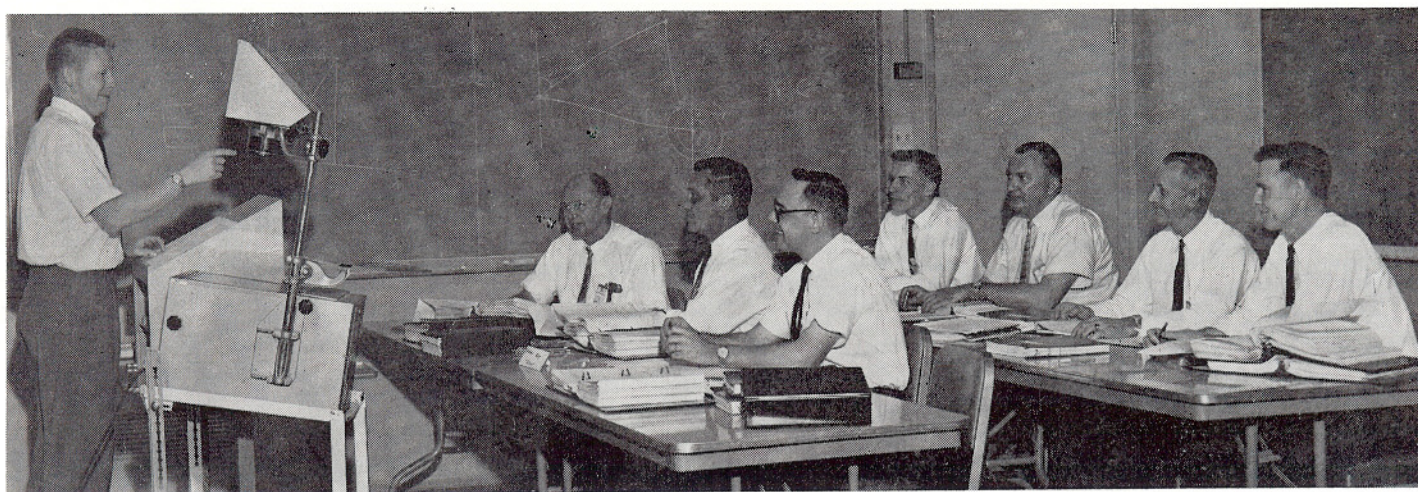
Powers spent four years in Mexico and counts them among "the most satisfying and interesting" in his experience thus far.

Powers came to Librascope from Hoffman Electronics Corp., where he became Corporate Controller after returning to California in 1960.

Librascope's new controller is a believer in company-sponsored employee training. After completing GE's off-hours Business Training Course, he turned around and became an instructor, teaching cost accounting to business administration people and business administration to engineers.

Powers makes his home in Arcadia. He and Mrs. Powers are the parents of a married son and daughter and the grandparents of three, "due to become four any day now."

Work forces in Bldgs A18 and A19 and janitorial crews throughout the Glendale complex spent a good part of their working time during the fire and the day after wielding brooms to sweep out the dust and ashes blown into the buildings. All air conditioning filters had to be replaced.



CUSTOMER TRAINING is what is going on here as Instructor Dennis Johnson (far left), discusses system checkout and repair procedures with U.S. naval shipyards personnel in Bldg A05 classroom, here to learn about the SUBROC Mk 113, Mods II and V fire control systems. Students (L-R) in front row,

are: Robert L. Compton, Kerwin L. Harrison and Emelien Roy. Second row, Henry B. DeWitt, James W. Hawkins, T. C. Campbell and Kenneth E. Powell. The class also has two other instructors, Bill B. Tilden and Fred Horton. Students come from shipyards on both east and west coasts.

Navy Yard Fire Control Technicians Here To Learn SUBROC Repair and Checkout

(GLENDALE) A group of civilian fire control mechanics from east and west coast naval shipyards, is currently undergoing intensive training here in the Surface Equipment Division's customer training section.

The group is enrolled in a 13-week checkout and repair course on the Mk 113, Mods 2 and 5 SUBROC fire control systems in Customer Training's Bldg A05 classroom.

Those taking the course are: Robert L. Compton, Norfolk Naval Shipyard; Kerwin L. Harrison and Emelien Roy, Portsmouth Naval Shipyard; Henry B. De Witt, Mare Island Naval Shipyard; James W. Hawkins and T. C. Campbell, Charleston Naval Shipyard and Kenneth E. Powell, Puget Sound (Bremerton) Naval Shipyard.

The seven-man class has what is probably one of the highest ratio of instructors to students of any training or educational effort in the U.S., says Lyle Crawford, Supervisor of the customer training unit.

(GLENDALE) Ronald G. Maas, who was accepted into Librascope's apprentice machinist training program in April 1961, has been promoted to Methods Analyst-Mechanical, in the Surface Equipment Division's manufacturing customer service department. Maas graduated from the Librascope apprenticeship program last month. He previously had been an apprentice with a Burbank firm and was half-way through his training when the program was dropped by his employer.

Three fire control experts—Bill B. Tilden and Dennis R. Johnson, both ex-Navy, and Fred L. Horton, ex-Air Force

—conduct both general and specialty sections of the course.

The 13 weeks are split into three sections, each approximately equal in length. The first third of the course is wholly devoted to classroom work; the second to roughly half classroom and half laboratory and the third entirely to laboratory. The lab section involves work on the actual equipment the men will be handling back at their duty stations.

There's a written examination every week and, in the final weeks of the lab section, each student will have to demonstrate what he has learned in actual on-the-job performance.

The school day parallels Librascope's working day of 7:45 AM to 4:30 PM through half of the 13 weeks, then changes to a shift operation in which staggered sessions have the last group winding up at 1:00 AM.

It isn't practical, says Crawford, to have more than two students, plus instructor, in the lab at the same time, hence the time-spread.

Students get one break that other folk at Librascope don't. In recognition of the fact that prolonged sitting can have a deadening effect, they get a 10-minute break each hour—to restore circulation, says Crawford.

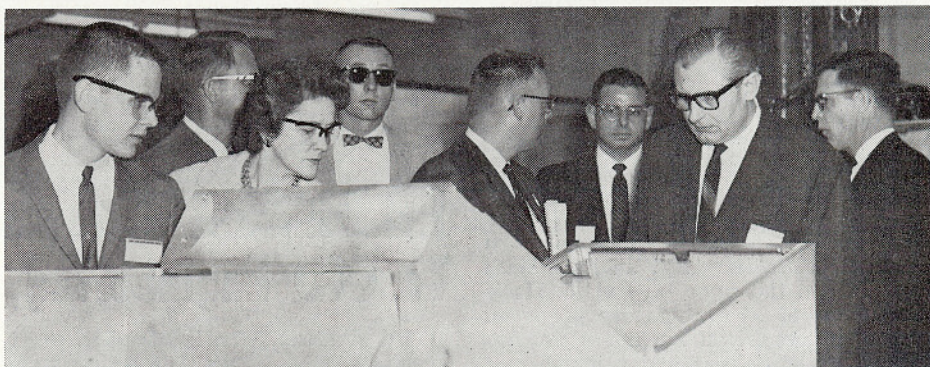
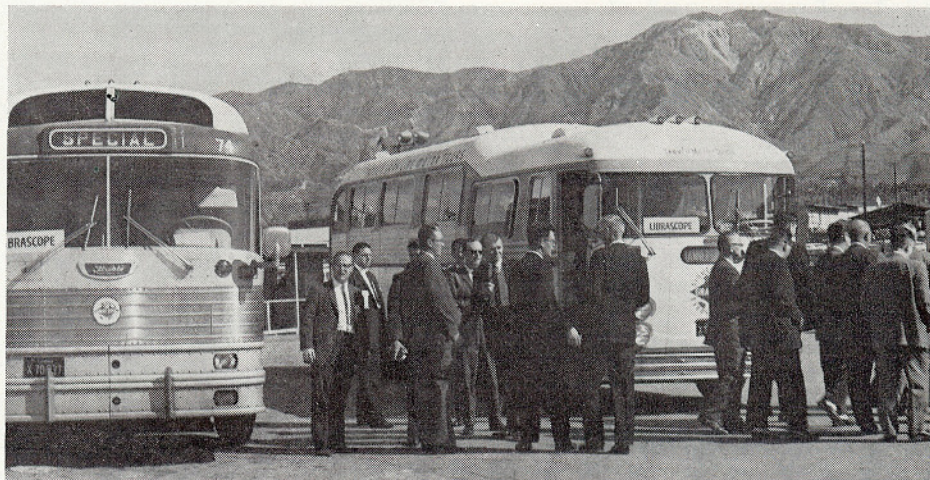
Call for Papers

Technical papers are being solicited for presentation during the Annual Meeting of the American Documentation Institute, to be held Oct. 5-8, in Philadelphia. Librascope writers are eligible for awards under the Employee Incentive Writing Program. Contact the EIWP editorial committee, Bldg 103, Glendale, for details.

Precisioneers Offer Package Tours

If you've been thinking of going overseas and faraway on this year's vacation, it's time to start planning, says Eileen Brown, Precisioneer activities coordinator. Presented below is a tentative list of tours. Check the one which interests you, or write-in a tour more to your liking and send the coupon to Mrs. Tubbs in Bldg. I-03, Glendale. There is no obligation involved.

<input type="checkbox"/> Hawaii for 14 days	App
<input type="checkbox"/> Tahiti for 14 days	\$ 399
<input type="checkbox"/> Mexico for 10 days	850
<input type="checkbox"/> Europe for 23 days	275
<input type="checkbox"/> N.Y. World's Fair for 6 days	995
or	299
at	
your choice	
There would be.....people in my party should I decide to go on this year's tour.	
Employee's name	
Extension	



SED Plays Host To ASTME Visitors; Tour Machine Shop

(GLENDALE) Sixty delegates to the Western Metal and Trade Exposition and Conference, held March 16-20 in Los Angeles, were guests of Librascope March 17 at a special tour of the Surface Equipment Division's production machining facility in Glendale.

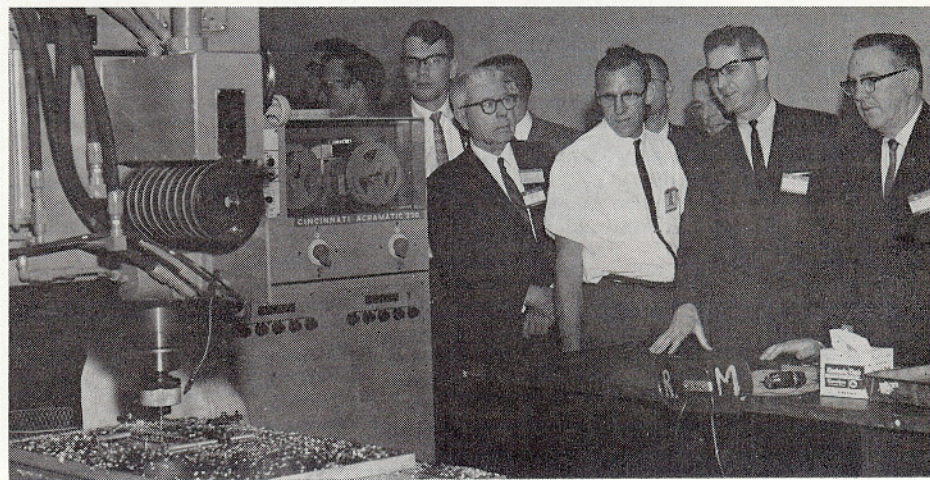
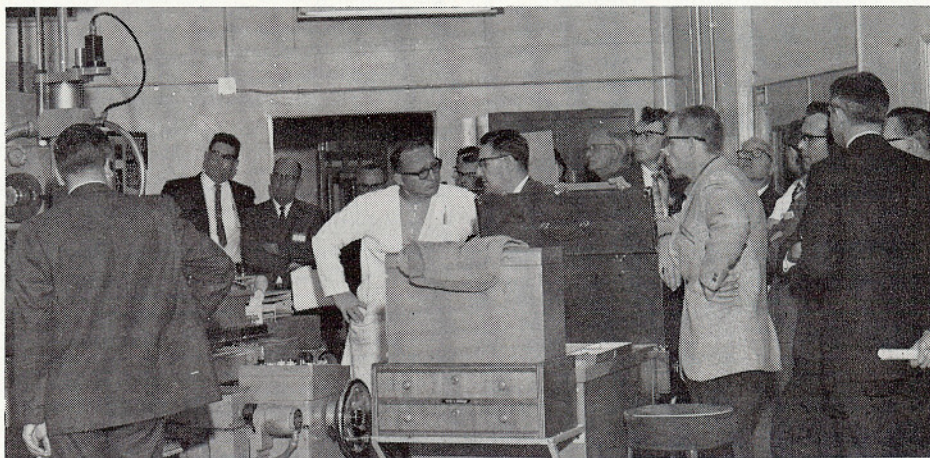
Their host was the Industrial Engineering department, whose personnel organized the tour and conducted the groups through the manufacturing areas.

Chief areas of interest to the visitors, who are production engineers and managers, tool designers and manufacturing planners, were Librascope's numerically-controlled production machines.

Production schedules had been arranged by Production Machining Sup't K. J. Cohen, so that all NC machines were in operation at the same time, to display the machines' capabilities and Librascope's variety of manufacturing projects.

While the NC equipment caught the eyes of the visitors, they also admired the modern conventional equipment and the way in which the Librascope shop handles very large machine surfacing and the model shop's memory drum operations. They also admired the famous Librascope boring machines, some of which are now being succeeded by NC equipment.

Ivan Franklin, coordinator of facilities and area planning, organized the group of tour conductors, who were Jack Leighton, Roy Van Holm, Bob McFarlin, George Nichols and Charles Krone.



P.E. Tanner Joins Group R&S Center

(GLENDALE) Paul E. Tanner has joined the staff of the Research and Systems Center as a staff engineer, reporting to Harry Keit, Director, Ground Information Systems.

Prior to joining Librascope, Tanner spent seven years with RCA-Van Nuys as a senior member of the systems engineering staff, working on the BMEWS and NORAD projects.



TANNER

Earlier, Tanner was Director of the Computer Program Training section of the RAND Corp, at East Hartford, Conn, and a member of computer analysis groups with General Electric, West Lynn, Mass, and United Aircraft Corp, East Hartford, Conn.

Tanner holds a B/A-Math degree from Columbia University and an M/A-Math degree from the same institution. He is the author of several papers presented before the American Ass'n for the Advancement of Science and a member of the Ass'n of Computing Machinery.

Communications Is April ImpAct Theme

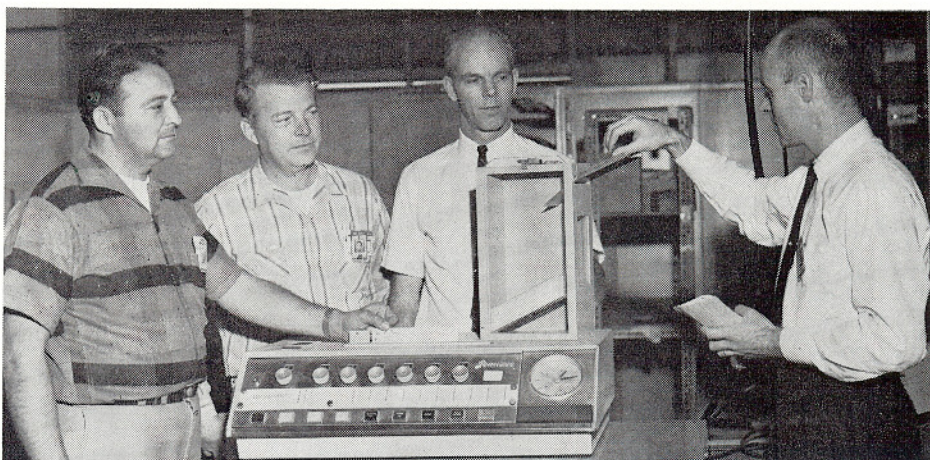
(GLENDALE) The ImpAct cost reduction program for April-May has as its theme "Communications Improvement," says committee chairman Clifford S. Godwin.

Posters, bulletins and memoranda distributed to all supervisory personnel in the Librascope Group, emphasize the importance of effective communications.

The educational material provides a checklist on how to make communications effective and lists the company resources useful to the communicator.

"The average supervisor spends most of his time communicating because it's the major part of his job," says Godwin. "A recent survey of a large electronics firm revealed that he is communicating 90% of the time; 30% in talking, 35% listening, 16% reading and 9% writing.

"The survey doesn't reveal what he does with the other 10% of his working time. However, it might be suggested that he could spend it in reflecting on the meaning of what he has heard, read, and said. Digestion is a necessary ingredient of any communicative process."



THE BETTER MOUSETRAP is what Pete Laue (R) calls the glass-fronted box on top of this Transacter in SED receiving inspection. Its function is to receive punched data cards for transmission to Production Control. Others, left to right, Eloi Salazar, Receiving Inspection, Gordon Pickell, Machine Maintenance, who built the "Mouse-trap" from Laue's design, and Glenn Nichols, Prod-Control Supervisor. (See story.)

J.H. Huiskes Returns To CCD Engineering

(BURBANK) John H. Huiskes, previously a member of the then Burbank and Aerospace Branch engineering staffs, has returned to Burbank as a Staff Engineer in the Systems and Development group of CCD engineering.

Huiskes, who reports to Chief Engineer Robert L. McIntyre, spent his year away from the Librascope organization with a Thiol Corp research group in life science.



HUISKES

A native of Holland, Huiskes is a graduate in mechanical engineering of the Technical University of Arnhem, Holland, and spent 11 years with Hollandsee-Signaal, a division of the giant Phillips-Holland combine, before coming to the United States.

"Mousetrap" Catches Errant Data Cards

(GLENDALE) The importance of every document used in recording the progress of work through the plant is emphasized by a simple data collection device now being given a test-run by Production Machining Department of SED Operations.

The device, nicknamed the "Better Mousetrap" by Peter Laue, Senior Industrial Engineer who designed it, is a glass-fronted box, with a slot and a slide at the top to accept punched data cards. The box has a lock, to help the cards from becoming "lost, strayed or borrowed" before they can be fed into the data processing system.

A sizable portion of the 35,000 cards used in one phase of Production Control have not been flowing back—hence the "Mousetrap," both as a collection device and a reminder to return the cards.

The cards, which are filled out by each production employee as a job phase is completed, are important elements in the generation of reports to management. The reports record load center performance and actual production hours versus standard hours allowed for a job.

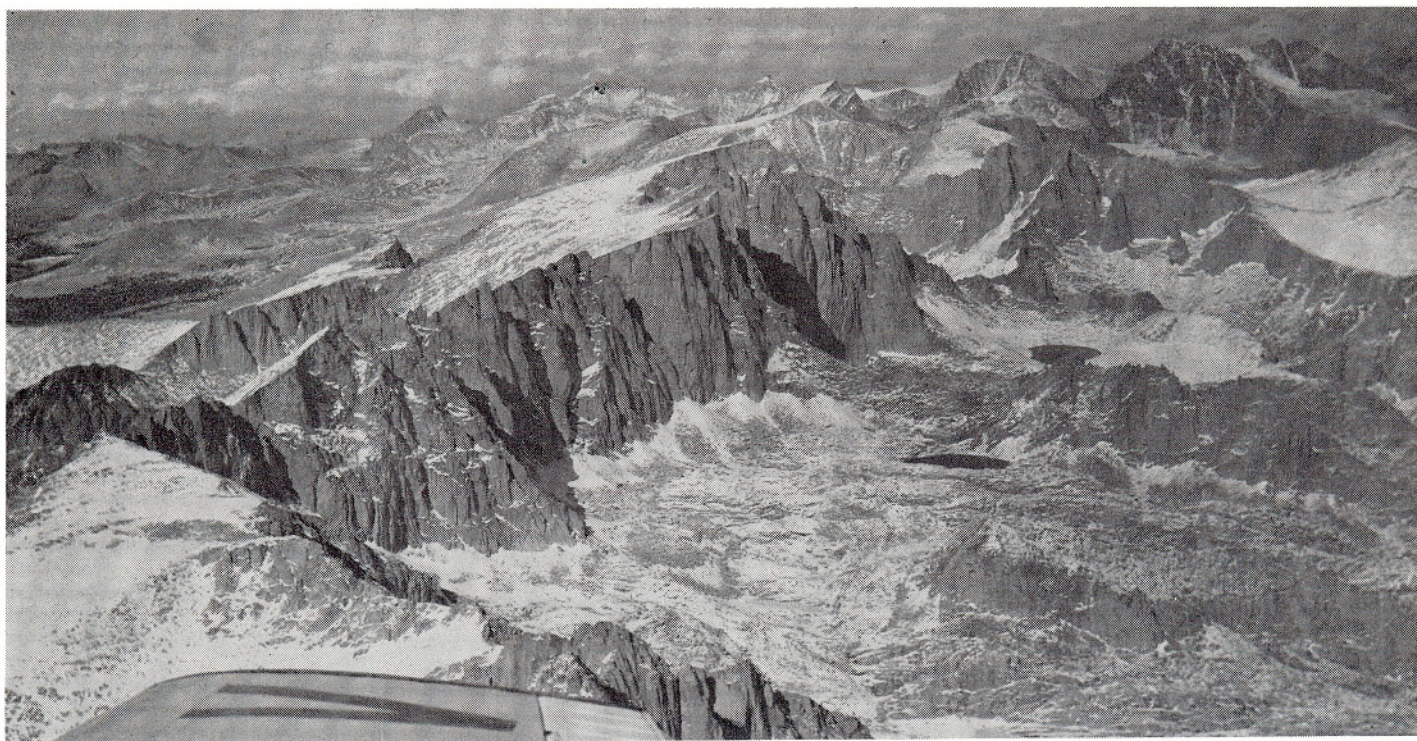
Gordon Pickell of Machine Maintenance built the "Mousetrap" prototype out of scrap materials from a sketch by Laue.

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Art and photographic services are provided by the Publications Section, Surface Equipment Division: Keith A. Kinnaird, Art Director; Peter J. Maimone, Supervisor, Art Services. Special art and photo layout by James R. Norwood, Jr., George V. Brull, Roy T. Brown and Andrew M. Cook. Photography by James A. Avera.

(GLENDALE) Residue from the forthcoming sale of surplus office and engineering equipment, plus a number of pieces of wooden office furniture, will be offered for sale to employees. Watch bulletin boards for announcement of the manner



Western America's Rocky Spine—the Sierra Nevadas

You're looking at the highest point in continental USA, Mt. Whitney (slightly left of center), 14,495 feet above sea level. You're looking down (from about 15,000 feet) at its southeast face from a Beechcraft Bonanza piloted by C. R. "Bud" Linsley, SED senior engineer, who

has a passion for climbing into his ship every now and then to fly up to the peak and revel in the majestic sight.

On this flight, made on a recent Saturday, Linsley brought along Fred Beindorff, Jr., photo lab chief and James A. Avera, LIBRAZETTE photographer.

Avera pointed his camera out the window as Linsley dropped the right wing (you can see it at bottom left) a bit to clear the view and made this first of a series of shots. Photo was made with a Graflex Speed Graphic, equipped with a 6 in Ektar lens, stopped at f16, with shutter speed of 1/250 of a second.

Add Three to Staff In Washington Eng

(ROCKVILLE, MD) Addition of a Senior Engineer and two Senior Designers to the staff of the Washington Engineering Department of the Surface Equipment Division was announced this month by H. A. Timken, Jr., Manager.

Engineer Richard C. Johnson comes to the Librascope organization from Aero-Medical Electronics, Inc, of which he was founder-president. He holds a BS/ME degree from the University of Pittsburgh and a BBA degree from Southeastern University. He is a veteran of 10 years in research and development with the Navy's Bureau of Ships.

Lauchlin M. Currie, designer, previously was with American Instrument Company, Silver Spring, Md. A senior member of the American Society of Tool and Manufacturing Engineers, Currie studied mechanical engineering at George Washington University.

Lynn D. Leathery, designer, formerly was production supervisor for Electronics for Education, Inc, Kensington, Md, manufacturers of electronic test-scoring machines. Previously he was a designer for Emertron, Inc, College Park, Md.

Reject IAM

(SAN MARCOS) Employees of the former Avionic Equipment Division of the Librascope Group have again rejected the International Ass'n of Machinists as their bargaining agent in management-labor relations.

The vote was 76-59. Held under the supervision of the National Labor Relations Board, the election was the second in little more than a year.

Those eligible to vote were in the production and maintenance sections. Lodge 50, IAM, of San Diego, was the labor group seeking certification.

Jesse B. Pemberton

Librascope employees who were associated with Jesse B. Pemberton during his long tenure with the Glendale facility, were saddened to hear of his death, March 13, following a long illness. Mr. Pemberton, who joined the company as a machinist in 1947, was a general assembler-electrical when he terminated in 1963. Funeral services were held March 16 at Forest Lawn.

G.H. Bradley Heads Operations At CCD

(BURBANK) George H. Bradley, with more than a score of years' experience in electromechanical manufacturing as a background, has been named Director,



BRADLEY

Computer Operations, of the Commercial Computer Division, by F. J. Alterman, vice president and manager of CCD.

Bradley comes to CCD from the post of Vice-Pres, Manufacturing, of the Soundsciber Corp, New Haven, Conn.

Previously, Bradley was Vice-Pres, Manufacturing, of Capitol Products Corp, Harrisburg, Pa, and Manager, Manufacturing Services, York Division, Borg-Warner Corp, York, Pa.

"Time changes everything, except something within us which is always surprised by change."—Thomas Hardy

Callaghan Sees Dodgers On Top, If Roseboro's Knee Loosens Up

Henry Andrew Callaghan, dean of all Dodger fans on the West Coast (he takes precedence over Walter O'Malley, who merely *owns* the club, because Harry was a fan before Walter bought in) is making a reasonable prediction about the National League race this year.

The Dodgers, he says, will win again. But, for the first time the 1962 Dodger-Giants playoff, there's a regretful note of caution in his voice. It's on account of the Knee.

Johnny Roseboro's knee, that is. If you read the papers or watch TV, you know that the Knee's not right and

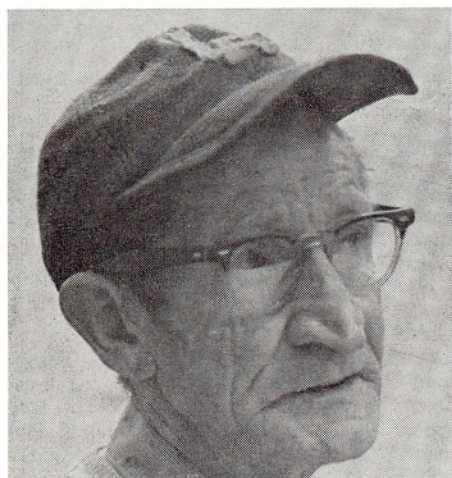
the Dodgers over the Giants, "because of Drysdale, Podres and Koufax."

Perhaps because they've managed to survive three rough years in Dodgerville, or maybe because they pay rent to his team, Harry admits to a developing affection for the Angels. Not that he'd ever switch his allegiance, of course (you can take the boy out of Brooklyn, but can you take Brooklyn out of the boy?), but he follows their fortunes with some interest.

Enough interest for him to make a surprising prediction, considering that he made the same one last year, with re-



"The knee's got me worried."



"The Yanks'll have some trouble."

Johnny has bowed out of spring training to come back to L.A. for medical attention. The Knee's got calcium in the joint, which makes it stiff and hard to squat behind the plate to take those fireball Dodger pitches.

Without Roseboro to catch, the Dodgers could have trouble. Camilli's pretty good, but he's not Roseboro, and neither is that third-string what's-his-name.

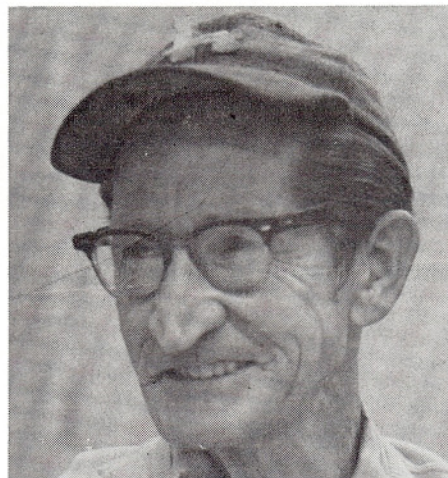
So, Harry can't be sure.

"The pitching's there, the fielding's better some days than others and the hitting is sometimes real good," says SED's Celtic seer, "but we need to have Johnny in there every day. I sure hope that knee shapes up right—and soon. It's games you lose in April and May that beat you in September," Callaghan observes gloomily.

Harry's a little concerned, too, that the Giants may have made out too well in their Winter trading with Milwaukee.

"With the bunch of sluggers they've got, all the Giants need is a little better pitching than they had last year. Maybe that Bob Shaw and Bob Hendley will shape up for them. That fog up there and the wind, when it's behind the pitcher, is a big help!"

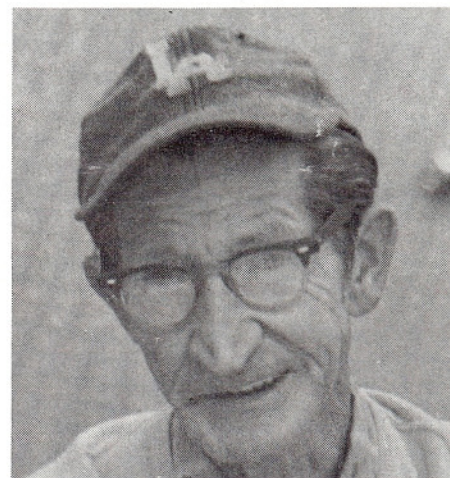
But, despite the foregoing unhappy prospects, Harry still gives the nod to



"1, 2, 3. Koufax, Podres, Drysdale."

sults we all know. The Angels, he says, *should* finish third this year, and in his handicapping notes says: "Might do even better than that."

Harry sees the Yankees on top again



"The Angels might do better."

in the junior league, but thinks Baltimore's Orioles may make the pennant race there something less than a walk-away. "They could," he says sagely, "make it this year."

As Callaghan Sees the Pennant Races NATIONAL LEAGUE

1. **Los Angeles:** Too much pitching and team spirit.
2. **San Francisco:** Power, but no pitching (yet).
3. **Milwaukee:** Trying to blend into a solid team.
4. **St. Louis:** They lost one of their great team men.
5. **Philadelphia:** A trouble-maker for the big teams.
6. **Cincinnati:** Not enough pitching and defense.
7. **Pittsburgh:** Rebuilding.
8. **Houston:** A young ball club.
9. **Chicago:** Too many coaches.
10. **New York:** Too many ex-stars.

AMERICAN LEAGUE

1. **New York:** What can I say? No other choice.
2. **Baltimore:** Could make it this year.
3. **Los Angeles:** Might do better during the season.
4. **Detroit:** A great starter, but a poor finisher.
5. **Minnesota:** Could make it rough for contenders.
6. **Chicago:** Might do better if hitting develops.
7. **Cleveland:** One of the great clubs of the past.
8. **Kansas City:** Farm club for the others.
9. **Washington:** Too many ex-stars of other clubs.
10. **Boston:** Don't jell as a team. Too many stars.