

July, 1980 Librazette

1st Pre-Production TCS/TCT Units Being Readied for Shipment to Europe

Culminating one of the most rigorous design, development, and testing programs ever undertaken by Librascope, the first pre-production Tactical Computer Systems and Tactical Computer Terminals are being completed for shipment to U.S. Army forces in Europe. As the final phase of the current program, the TCS's and TCT's are being subjected to communication and environmental tests at Ft. Huachuca in Arizona.

The TCS's and TCT's now being completed are destined for the 7th Army in Germany. In addition, the equipment will be used in general operability trials and in interoperability tests with other NATO forces in Europe, ultimately becoming incorporated into the operating corps currently assigned to the European Theater.

The Company's present TCS/TCT contract had its beginning in the early 1970's when Librascope developed the first Army equipment to display electronically-generated text and graphics simultaneously over a full-color map in real time; i.e., the moment it happens.

In 1973, Librascope was

Encoder Contract Nears \$1 Million

Librascope received an order from the Olkon Corp. for digital angular shaft encoders for just \$17,000 short of one million dollars. This is the largest single order received by Librascope for encoders in over fifteen years, which pushed encoder products bookings for any single month over the one million dollar mark.

Olkon Corp. is a division of the huge Swiss conglomerate Oerlikon-Bührle Holding Ltd., Zurich, and acts as the U.S. purchasing arm for all of their divisions. One of the divisions, Contraves, located in Zurich, with other factories in Germany and Italy, has designed the model 808-18-1 encoder into the radar platform of their "Skyguard" and "Seaguard" anti-aircraft/anti-missile systems. These defense weapons are used on vans, tracked vehicles and surface ships by numerous friendly armies and navies abroad.

Contraves began their purchase of the Librascope encoder as long ago as 1968, and had purchased production quantities to date that cumulatively had not yet exceeded the present order. The likelihood is that Contraves will have requirements of this magnitude for years to come. □

awarded the Army's TCS/TCT Contract Definition Phase competition; in 1974, an Advanced Development Model (ADM) contract; and an Engineering Development Model (EDM) contract in 1977.

TCS's and TCT's introduce the use of modern display and data processing technology to Army field communications. With this equipment, command personnel can digitally compose and communicate both text and graphics throughout all echelons from battalion upward. This battlefield information, particularly the graphic data, is seen as overlays on a standard Army paper map, permitting the tactical situation to be evaluated quickly by the commanding officer.

According to Hank Pinczower, Director of Army Programs, this equipment affords troops in the field more flexibility to maneuver than ever before.

TCS's and TCT's interface with existing standard Army communications devices, as well as with Army computer centers, and are planned to be a key factor in the development of future Army communications systems. The TCS and TCT each perform much the same functions, but the TCT can be considered a somewhat scaled down version of the TCS for use at forward command echelons.

In 1979, Librascope received a \$26 million award from the

(Continued on page 4)



Librascope electrical/mechanical technicians perform final assembly and system checkout tests on Tactical Computer Terminals (TCT's). The equipment is being readied for use by the 7th Army in Germany.



An E&M technician checks a TCT plasma panel, designed to provide the operator with electronic graphic tactical information, overlaid on a standard army paper map.



Testing of an I/O module is performed on Data General computerized test equipment. The I/O module is part of this year's program to provide ten (10) Tactical Computer Systems (TCS's) for the Army.



Georgia Masulli (left) and Helen Perez



Bob Swanson



Judy MacFarlane & Harry Kuruma

"Banana Splits" Win Again!

Competition in the 31-week 1979/80 Librascope Winter Bowling League ended in May, with twenty teams in contention comprised of employees, their families and friends. The winning teams and individual winners are highlighted below.

The 1980/81 season will start in September. Sign-up information will be posted on bulletin boards for a Tuesday night league at 6:15 p.m., and a Thursday night league at 4:45 p.m., at the Grand Central Bowl in Glendale.

More information can be obtained by calling the league coordinator, Ron Maas, X-1748.

Tuesday Night League:

1st Place — "Banana Splits" (Angie and John Mielkus, Grace Kleinberg, Agnes and Al Bates)

Men's High Series:

Al Bates (705)

Men's High Game:

Bob Kleinberg (252)

Women's High Series:

Winnie Bullard (629)

Women's High Game:

Pam Maas (241)

Thursday Night League:

1st Place — "Team #7"

(Carol Goldthwaite, Harry

Ford, Harry Kuruma)

Men's High Series:

Harry Kuruma (479)

Men's High Game:

Bob Swanson (269)

Women's High Series:

Judy MacFarlane (459)

Women's High Game:

Bertha Montgomery (263)

News, events and other interesting things...



Employees Honored by Hospital

Karen King, Community Resources Director at Childrens Hospital in Los Angeles, points to the latest addition to their patron's plaque . . . LIBRASCOPE employees.

The marble plaque, located near the main entrance, acknowledges donors who have

given over \$5,000 to the hospital. Employee donations total \$5,656 since 1972, as a result of the Company's annual Christmas charity drive. Last year's donations went towards the purchase of a wheelchair for the hospital. □

Company Reaffirms EEO Commitment

The Librascope Division of The Singer Company has long been committed by policy to provide Equal Employment Opportunity to all employees and prospective employees.

Our Company's policy and program provide for the selection of employees, their training, compensation and promotion without regard to race, color, religion, national origin, sex, age, veteran status or handicapped status.

To achieve maximum success in the operation of our Equal Employment Opportunity programs, it is essential that every employee commit himself, or herself, to the standards of behavior and job conduct consistent with the intent of the program and the basic policy. It is equally essential that our managers and supervisors assume responsibility of supporting and furthering the program's implementation in their areas of operation.

Rusty Dunham, as the Company's EEO Coordinator, is responsible for the implementation of our affirmative action program.

M. Center

M. Center
President

Schmied Named New Singer President



William F. Schmied has been elected to the newly-created post of President and Chief Operating Officer of The Singer Company. Joseph B. Flavin continues as Chairman and Chief Executive Officer. He has held those titles since 1975.

Schmied had been Executive Vice President in charge of Singer's Government Products and Services Group, one of three within the corporation. The other two groups are Sewing and Consumer Products.

An electrical engineer, Mr. Schmied worked for the North American Rockwell Corporation and Litton Industries before joining Singer 11 years ago as general manager of the Kearfott Division.

Replacing Schmied is B. Allan Shaw as Group Vice President of the Products and Services for Government Operations.

The Word is Out

Rumor has it that there are a few tickets left in the Employee Services Office for the John Denver/George Burns show at the Amphitheatre, Saturday, September 27, at 8:15 p.m.

The tickets are \$20 apiece, and 50% deposit now will hold your admission to what is expected to be the highlight of the Amphitheatre's summer season.

The Employee Services Office is located in Bldg. 2. The office also maintains a Mutual Ticket Agency for purchase of individual tickets to local theatres and attractions.

Lewis Imm (left),
Willard Opocensky,
Jerry Sikora

Lewis Imm Comes Home For
a Visit and Librascope Remembers Its

ROOTS!

"In the next few years the electronics industry will surpass the automobile industry in dollar volume, and Librascope will expand more than seven fold. Such growth must continue if we are going to keep up with the research and development program which is now going on in the electronics industry. Are we ready for all this?" ... Lewis W. Imm, President, Librascope, Sept. 1954.

Mr. Imm, founder and first president of Librascope, on a recent return visit to the company he started 43 years ago, could only have felt a sense of deep pride and accomplishment on his tour of "present-day" Librascope.

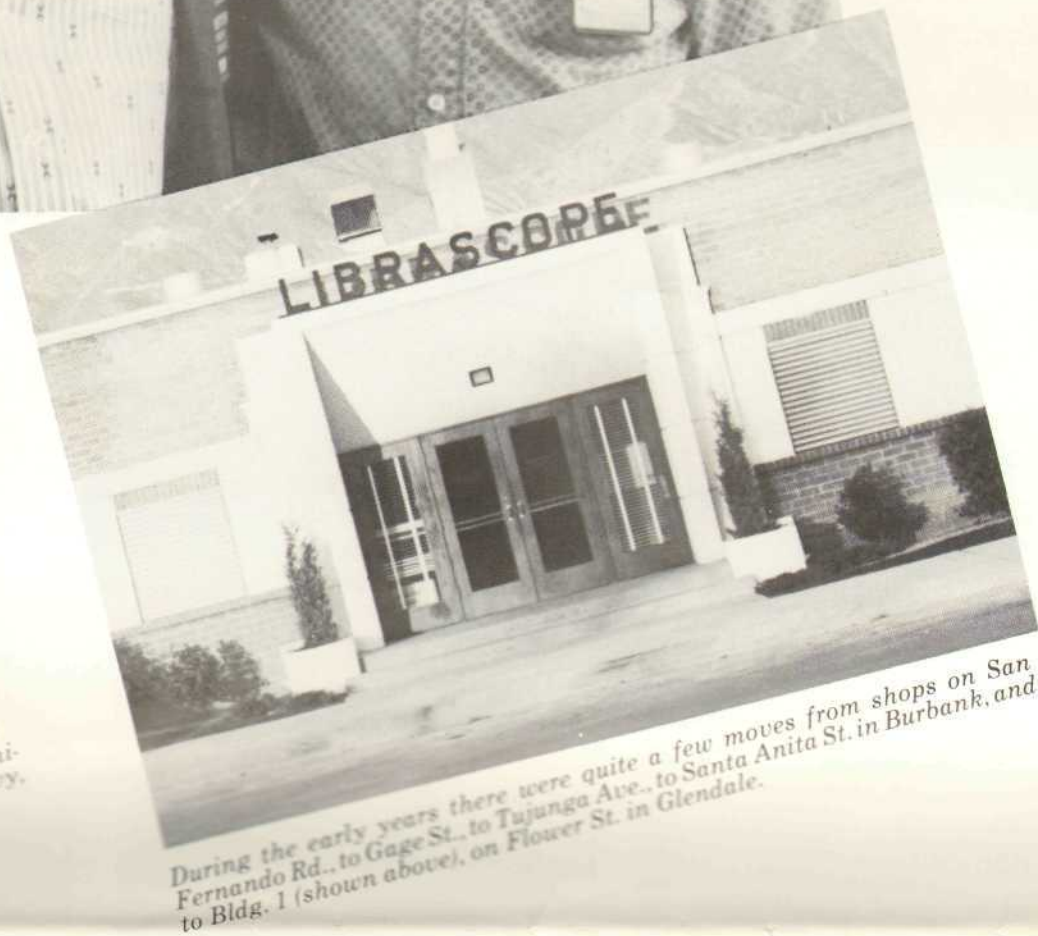
What he saw was Librascope today, a leader in both ASW underwater fire control equipment and acoustic countermeasure and launching systems, and producer of the latest in battlefield data processing tactical information and weapon control systems, precision optical equipment for military and non-military use, and militarized mass memory subsystems.

Librascope today is the result of careful planning and much foresight, starting when a young aeronautical engineer named Lewis W. Imm had an idea for a "balance computer."

What developed was a manual analog computer, the size of an attache case, designed by Imm to calculate weight distribution on commercial aircraft. Called the "Librascope" ... "Libra" for the Zodiac balance sign and "scope" to denote indicator (balance indicator), the computer was quickly accepted by the major airlines and its name was adopted as the company name.

The newly formed company, with eight employees and one product was incorporated as the Librascope Development Co. in 1937. Today there are over 900 employees and a very diversified product line.

The fruits of careful planning and long range insight into the developments of the future have paid off handsomely, and it all started with one man's idea. ■



During the early years there were quite a few moves from shops on San Fernando Rd., to Gage St., to Tujunga Ave., to Santa Anita St. in Burbank, and to Bldg. 1 (shown above), on Flower St. in Glendale.



One of the early electro-mechanical computers built for the Navy, the Mk 17, Angle Solver.



Mk 53 Computer



WELCOME HOME MR. IMM, WELCOME... escorted by long-time friends, Mr. Imm (third from right), revisited the company he started 43 years ago. Showing Mr. Imm present-day Librascope were, from left: Carl Culver, Charlie Cole, Cliff Dahl, Willard Opocensky (accompanying Mr. Imm on his visit), Mr. Imm, Trent Albizati, and Jerry Deitz.



Cliff Dahl (left) and Charlie Cole show Mr. Imm some of the latest manufacturing equipment located in Bldg. 17.



FRIENDS GATHER to greet and pay tribute to the Company's founder and first president, Mr. Lewis W. Imm (seated, left). Seated with Mr. Imm is Willard Opocensky, a former staff engineer at Librascope, now retired. Others from left: Trent Albizati, Galen Mannan, Carl Culver, Cliff Dahl, Bob Geno, Ralph DelleFave, Bill Singleton, Charlie Cole, Jim Hachtel, Vern Wilkie and Ted Maggio.

Employees' Family Fun Day— The Big Event of the Year!



"A really big show" for employees is the upcoming "Family Fun Day," which takes place Saturday, July 26, from 10:30 a.m. to 4:30 p.m., at the Pickwick Recreation Center in Burbank.

"We are very excited about what's been planned for the day," says Frank Yapp, V.P. Personnel & Organization.

"Since this is a new, and closer, site for our yearly picnic or 'fun day,' we are most anxious for it to be a big success. The response to the invitations mailed to employees has been overwhelming, and we think it's going to be a great day!"

A partial list of the day's activities includes:

- Chuck Wagon Buffet—11:30 to 2:30 p.m.

- Swimming
- Bob Baker Marionette Show—11 to 11:45 a.m.
- Volleyball & ping pong
- Game booths—11 to 1 p.m.
- Moon bounce
- Ice Skating—1 to 4:30 p.m.
- Employees' Arts & Crafts Exhibit
- Dancing
- Surprise door prize!

In addition to the above, the ever-popular "bingo," and an old-fashioned bathing suit revue will take place, along with a host of other "happenings." SEE YOU THERE & HAVE A FUN DAY!

Admission by ticket only



Showtime For Librascope



AFCEA SHOW (Armed Forces Communications Electronics Assoc., Washington, D.C.)—Ted Aitken, Mktg. Mgr., Army Programs, demonstrates the Tactical Computer Terminal (TCT) to Col. Threefoot of the Office of the Deputy Chief of Staff for R&D Acquisition in the Pentagon.



INTERNATIONAL NAVAL TECHNOLOGY EXPOSITION (Rotterdam, Holland)—Ernie Pool, V.P., Mktg., greets Qian Zhong Yao from the China Corp. of Shipbuilding Industry, at the Librascope exhibit in Rotterdam's Ahoy Convention Center.

The Company actively maintains its image both nationally and internationally at various trade shows designed for companies to display their technology and hardware, specifically military equipment.

June was a busy month, starting out in Rotterdam, Holland, at the International Naval Technology Exposition, where a narrated slide show told the Company story, and literature and models of Librascope products showed the scope of the Company's overall capabilities.

Making the presentation were Ernie Pool, V.P., Marketing; Bill Hudson, Systems Engr. Mgr.; and Ken Luther, Advertising & Public Relations.

Also in June, the Company was represented at the AFCEA show in Washington, D.C. (Armed Forces Communications Electronics Assoc.), where the Tactical Computer Terminal (TCT) equipment was displayed. This equipment, being built for the U.S. Army, has attracted wide interest in all military theatres.

(Continued from page 1)

TCT/TCS Readied

Army's Communications Research and Development Command, Ft. Monmouth, New Jersey, to conclude the Engineering Development Model (EDM) phase. This was the largest single con-

"What's a Librascope? Jr. Achievers Co



Gary Mellor, Test Equipment, operates an I/O plant tour. Ralph DelleFave, far left, conducted was production advisor for the group for the students. Seeing a company in operation is

First Aid Training For Employees

Knowing it's better to be safe than sorry, the Company is involved in providing first aid training for a number of employees located in each of the buildings. The primary purpose for this training is to provide emergency back-up assistance until the nurse and/or outside help is received.

The first employees to be trained for this program include: Mark Ferry and Joe Canto (Bldg. 1); Bob McDonald (Bldg. 2); Moe Boase (Bldg. 3); and Jerry Henshaw and Al Saenz (Bldg. 17).

In addition, CPR (cardiopulmonary resuscitation) classes will be conducted at Librascope for anyone interested. The after-hour classes will be held in September. If interested, call the Medical Dept., X-1244.



Moe Boase



Bob McDonald



or Shipment

tract award the Company has ever received, and covers the delivery of 10 TCS's, 28 TCT's, and 6 Analyzer Consoles, by early next year. □

me to See . . .



odule test station for junior achievers during a tour in Bldg. 17. Perry Christensen, far right, our month operating term for the high school of the training received in the JA program.

Desk Mate, the Librascope-sponsored Junior Achievement company, concluded its four-month operating term by being awarded the Blue Chip Company honor by the National Jr. Achievement organization. This award of excellence is given only to those companies judged to be outstanding in sales, attendance, membership, and educational value to the achievers.

Librascope was honored for its 20th year of participation in Jr. Achievement at the 26th annual award night held at the Hollywood Palladium in June.

Librascope advisers were Perry Christensen, production adviser; Marina Macias, financial adviser; Fleury Middaugh, executive adviser; and Nancy Laughlin, coordinator. ■



Ken Mandeville

ONE . . . TWO . . . THREE . . .!

The Librascope softball team, now starting its second round of play in the Glendale Municipal League, has high hopes of ending this round better than the first round. The team placed last in its division after five games. But things are looking up. With team standouts such as Dick Kennerknecht, who has two home runs thus far this year, Ken Mandeville showing some exceptional batting, and team spirit that won't quit . . . how can you lose!

Team manager, Bill Dunaway, and team coach, John Guarino, invite everyone to the remaining games. "Admission is free, and we guarantee to entertain you," says Guarino.

Schedule of remaining games:
Aug. 1, 8:45 pm
Scholl Canyon Park, Glendale
Aug. 6, 8:45 pm
Pelanconi Park, Glendale
Aug. 14, 8:45 pm
Pelanconi Park, Glendale



Dick Kennerknecht



Librascope Softball Team, from left (standing): Bill Craig, John Guarino, Aaron Bowers, Dick Kennerknecht, Ken Mandeville, Bob Barrett, and Ted Bass—from left (kneeling): Bobby Torres, Paul Marin, Drake Hagan, Marc Sacks and Carlton Yanagi.

GUESS WHO?

The year, 1940 . . . the winner of *The Times* "Beach Queen" trophy was—guess who? Our mystery employee comes from Galion, Ohio. A 19-year employee, her biggest ambition was to become a singer, but she's not singing at Librascope (and that is a big clue, believe it or not). The first correct guess in the Librazette Office, B-2, gets 2 free movie tickets.



retirements



Cliff Dahl (center) 38 yrs., Plant Engineering, with supervisor, Bill Girouard (left), and Joe Fido.



Irene Klima (with orchid), 20 yrs. Sub-Assembly



Bob Pelletier (with card), 20 yrs.
Plant Engineering

Ruth Lantrip, 27 yrs.,
Production Control.



What Gift More Precious?

by Anita Hagan, LVN
Medical Department, B-17

Twice during the year employees are asked to give something more precious than their money ... they're asked to give their blood.

These drives, held in May and November, have become rather customary here at Librascope, but we must never lose touch with the main purpose and necessity for the drives, and that is to collect blood so that others may live.

Blood drives, held every day in almost every city in the U.S., are vitally important to those thousands of persons who will need blood to survive. No one ever knows when that person may be themselves or a family member.

Our hats are off to the forty employees who gave at the May blood drive! We'd like to see twice as many employees give at the November drive.



Richard Zepf



Angelo Leo



Jerry Deitz



Charlie Cole

In-Plant TV Classes

It's "Back to School" ...

Going back to school to keep up to date, or learn something new, can be easier than you think, and the Company has made it even easier for its employees. No more wasted travel time, gas, or parking hassles ... employees can attend classes televised direct from the campus of USC to a Librascope classroom.

The classes are broadcast live from actual on-campus classrooms during the daytime and evening, and homework is handled by a daily courier service. Sound simple enough?

The equipment, USC's Interacting Instructional Television Program, was installed at Librascope several years ago primarily for the engineering staff. Now, besides engineering classes, there are a number of non-credit classes offered at noontime, with courses in personal development and management, as well as a variety of technical mini-courses.

"We've brought the classroom to the student," says Rusty Dunham, Employment Mgr. "There are a large num-



Bruce Perkin

ber of courses offered on a variety of subjects, and the cost of the classes is usually covered, if job related, under the Company's tuition refund program.

"We'd like to see more employees take advantage of this educational opportunity."

Ms. Dunham pointed out that an employee recently received an MS degree in electrical engineering entirely from the televised courses.

A schedule of classes is posted on bulletin boards, or employees can call the Employment Office, X-1204, for information. □

Libravets



Andrew Cook
25 Yrs.
Art Dept.



Charles Krone
20 Yrs.
Mfg. Engr.



Bill O'Mara
20 Yrs.
Ckt. Bd. Plating



Marvin Olson
20 Yrs.
Finance



Georgia Masulli
20 Yrs.
Telecomm.



John Johnston
20 Yrs.
Quality Assurance



Angelo Leo
20 Yrs.
Engr. Admin.



Domenic Vennari
20 Yrs.
Circuit Design



Edward Jerz
20 Yrs.
Quality Assurance



William MacMillan
20 Yrs.
Pkg. Design/Draft.



Glenn Curtis
20 Yrs.
Writing & Editing



Don Barton
15 Yrs.
Value/Liaison Engr.



Ralph Simon
15 Yrs.
Engr. Admin.



Al Germano
15 Yrs.
Marketing



Jerry Mundy
15 Yrs.
Nav. Weap. Sys. En.



Roger Mahoney
15 Yrs.
Pkg. Design/Draft.

Not Pictured:

25 Yrs.—Ana Bermudez, LaVonne Cobb
20 Yrs.—Berje Bagdasarian

More Libravets:

10 Yrs.—Don Moore
5 Yrs.—Helmut Roggenbach

Camera Club to Exhibit at Family Fun Day



The Librascope Camera Club will be exhibiting award winning photos by club members at the Employees' Arts & Crafts Exhibit at the Family Fun Day, Saturday, July 26.

Awards are given each month by the club for the best photographs taken by members. The photos can be of any subject, in black & white or color.

The photo taken above of the California State flower, the poppy, was taken by club president Jack Bamberger on a recent club field trip to "wild flower" country, near Bakersfield.

"We invite all employees regardless of their experience or skills to join with us to learn to fully enjoy this exciting hobby," says Bamberger. "The more experienced members act as instructors and can teach fundamentals and advanced techniques to those interested in becoming photographers."

"\$" Savers In Employee Services Office

Discount cards to major Southern California attractions; i.e., Disneyland, Magic Mountain, Sea World, Knott's Berry Farm, Marineland, Universal Studios, etc. Also,...

Magic Mountain
\$7.50 adult (reg. \$9.50)
\$6.50 child (reg. \$8.50)
(Good thru Dec. 31, '80)

Mann Theatre
\$2.50 ea. (reg. \$4-\$5)

General Cinema
\$2 ea. (reg. \$4-\$5)

See's Candy Certificates
\$3.70 pound (reg. \$4.30)

Librascope T-shirts & visors
\$3-\$4

promotions



R. Burrows



J. Heater



L. M. Brown



T. Charbonneau



M. Wicks



C. Lathrope



E. Murphy



B. Barrett



J. Smith



C. Anderson



R. Grundy



J. Cuevas



A. Bowers



W. Claybaugh



W. Fuller

RICHARD BURROWS from Electronic Engineering Associate to Engineer; JOHN HEATER from Final Assembler to Manufacturing Estimator; L.M. BROWN from Govt. Property Specialist to Accountant; TOM CHARBONNEAU from Sr. Engineer to Staff Engineer; MARY ELLEN WICKS from Group Leader to Supvr., Automated Graphics Operator; CANDYCE LATHROPE from General Clerk to Secretary; EDWARD MURPHY from Electronic Technician to Installation Engineer; BOB BARRETT from Sr. Electronic Technician to Electronic Engineering Associate; JERRY SMITH from Production Control Follow-Up Coordinator to Group Leader; CHRIS ANDERSON from Repro Equipment Operator to Installation Technician; RALPH GRUNDY from Group Leader to Govt. Property Specialist-Trainee; JOHN CUEVAS from Sr. Mail & Records Clerk to Group Leader; AARON BOWERS from Dept. Clerk to Computer Console Operator; WILMA CLAYBAUGH from Data Entry Operator to Programmer-Assistant; WILLIAM FULLER from Data Base Coord. to Supvr., Parts Listing; OTHHEL WILSON from

Cost Analyst to Accountant; PAUL PORCO from Supvr., Inspection to Sr. Quality Control Engineer; ANDY SCHULER from Component Technician to Sr. Electronic Technician; RONALD JOYNER from Associate Engineer to Engineer; RON HOWE from Automated Graphics Operator to Sr. Automated Graphics Operator; PHILIP EKLUND from Project Mgr. to Supvr., Field Service Engineering; EARLE TEMPESTA from Buyer Outside Manufacturing to Sr. Buyer Outside Manufacturing; TONY NORIEGA from Production Control Follow-Up Coord. to Operations Customer Service Coord.; LAVONNE COBB from Production Control Follow-Up Coord. to Operations Customer Service Coord.; FLETCHER HICKLEN from Production Control Follow-Up Coord. to Operations Customer Service Coord.; OLIVIA BALLESTEROS from Production Control Follow-Up Coord. to Operations Customer Service Coord.; JEFFERY OW from Associate Engineer to Engineer; NINA BODAMI from Sr. Accounting Clerk to Compensation Assistant; HOWARD HETCHKO from Tool Crib Attendant to Tool Coordinator;

JUNE PRATTE from Repro Equipment Operator to Sr. Repro Equipment Operator; KENNETH POOLE from Programmer-Asst. Technical to Programmer-Technical; ARNOLD PETERS from Sr. Engineer to Staff Engineer; BILLY McGLAUGHLIN from Field Service Engineer to Sr. Field Service Engineer; ARTHUR ISHIHARA from Field Service Engineer to Sr. Field Service Engineer; JOSEF DUGAS from Engineer to Sr. Engineer; RON GOODSTEIN from Photographer to Sr. Photographer; QUENTIN ANDERSON from Engineer to Sr. Engineer; PHILIP MAYERS from Electronic Technician to Sr. Electronic Technician; PHYLLIS ELKINS from Buyer to Buyer-Electronic; DOUGLAS GOSHORN from Electronic Engineering Associate to Sr. Electronic Engineering Assoc.; JAMES LOCHHEAD from Sr. Engineer to Staff Engineer; ROBERT SEBESTA from Design Specialist to Packaging Design Engineer; ROBERT WHITE from Electronic Engineering Associate to Programmer-Technical; JACOB WILLIAMS from Engineer to Sr. Engineer.

