



EARL LIPSCOMB, center, was honored July 12 in Palo Alto for his 20 years' association with HP. He was feted at the University Club with a special dinner held in connection with the summer senior sales seminar. Board Chairman DAVE PACKARD, right, presented him with a desk clock with engraved commemorative plaque, as Marketing VP NOEL ELDRED looked on. One of the company's original sales representatives, Lipscomb retired recently. His organization, Earl Lipscomb Associates, which sold the company's instruments in Texas, Oklahoma, Louisiana, and Arkansas, became the first HP sales rep firm acquired by the company. —Hal Smith photo

HP's Fortune Rank Rises

This Year We're 341st—

HP has climbed two dozen rungs further up the ladder of *Fortune's* 500, the magazine's annual directory of America's 500 largest industrial corporations.

With a 1966 sales volume of \$203.3 million, HP is 341st on the *Fortune* list, up from 365th the previous year. In net income HP improved its rank from 260th to 241st. Rated against two frequently used criteria, the company's net income is even better: 70th as a percent of invested capital and 100th as a percent of sales; however, both these categories are off somewhat from the previous year's rankings.

In earnings growth over the past decade, HP ranks 20th among the 500, with an annual earnings-per-share growth rate of 21.65 percent. The company also ranks 277th in number of employees, 321st in invested capital, and 346th in assets.

Hewlett Is Member of U.S. Technological Delegation

Select Group—

Bill Hewlett recently visited Western European capitals as a member of a select delegation working to improve technological cooperation between the United States and Western European nations.

The White House sent Hewlett, a member of the President's Science Advisory Committee; David Beckler, a committee aide; J. Herbert Holloman, acting Undersecretary of Commerce; and Donald Hornig, presidential science advisor, to confer with high officials in Bonn, Brussels, The Hague, London, Paris, and Rome. Better ways to apply peaceful technological developments were discussed.

Hewlett is also a member of the President's Committee on Foreign Assistance Programs (AID).

It's Wescon Time August 22 to 25

In San Francisco—

Some 40,000 electronics engineers and executives will visit San Francisco's Cow Palace from August 22 to 25 for Wescon—the annual Western Electronics Show and Convention.

At Wescon, HP will introduce three dozen new electronic instruments. Among the many new contributions to the state of the art will be a computer-controlled network analyzer manufactured by Microwave Division utilizing a Dymec computer; a loudness analyzer from HP GmbH; an 8x10-inch screen, 20-MHz monitor scope from Colorado Springs; and F&T's 135 MHz frequency counter, which can be extended to 18 GHz with a new F&T plug-in.

Wescon ranks as one of the world's largest technical events. It is held alternately in San Francisco and Los Angeles, co-sponsored by the Western Electronic Manufacturers Association and IEEE's San Francisco and Los Angeles units.

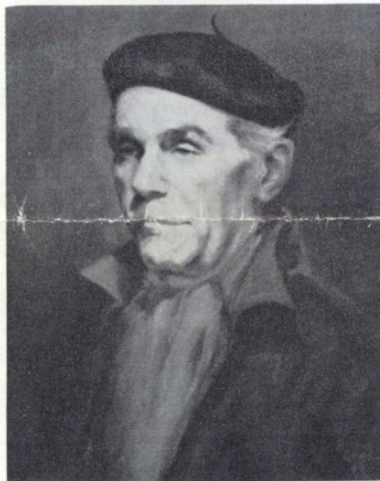
At the 1967 Wescon, 580 companies will exhibit their products in 1,076 booths. There will be 20 sessions on the technical program. Thirty-five outstanding high school engineering students from western states will bring their experiments and technical manuscripts to compete for \$2,800 in college scholarships.

As in past years, many HP people have been instrumental in making a success of this year's Wescon. Among them are: *Jack Beckett*, HP government relations manager, who is Wescon convention director; *Alan Simpkins*, Delcon general manager, chairman of the future engineers committee; *Vic Buell*, F&T, and *Don Smith*, HPA general manager, future engineers show; *Don Aupperle*, corporate industrial design, industrial design committee; *Dave Kirby*, public relations director, PR committee chairman; *Larry Sbergalis*, HP Journal staff, PR committee; *Austin Marx*, corporate finance, registration committee vice chairman; *Walt Selsted*, Mountain View engineering manager, technical program committee; *Dave Engelcke* and *George Combs* of Neely, chairman and vice chairman of signs and posters sub-committee, and *Bill Davidow*, Dymec product marketing manager, who has organized a special technical session on "large-scale integration of computer system design."

1952, vice president of the Instrument Division in 1960, and vice president of the Instrument Group in 1963.

In his newly created position, Rogers will have companywide responsibility for HP's growing line of chemical instruments and systems.

HP Art Gallery



The handsome paintings and drawings of the current exhibition in our 3U gallery are the work of Mrs. Marian Lucas, mother of *Dick Lucas*, Solid State Laboratory (1U).

Mrs. Lucas is a graduate of University of Oregon. She studied art at the Portland Art Museum and portrait painting with Sidney Bell of Portland, Thomas Leighton and Arthur Palmer of San Francisco.

Mrs. Lucas received first awards in both the Regional and National Motorola Art Shows in 1964, and a first award in the California Statewide Art Show in 1966.

The exhibition may be seen through August 11.

Rogers Joins HP

To Manage All Chemical Activities—

Emery Rogers has joined HP to manage Hewlett-Packard's activities in the field of chemical instrumentation.

Rogers, who is located at HP's corporate headquarters in Palo Alto, formerly was vice president of Varian Associates in Palo Alto. A native of Los Angeles, he studied physics at Stanford University, receiving a bachelor's degree in 1943 and a doctorate in 1951.

After serving as a physicist with the U.S. Naval Research Laboratory in Washington, D.C., Rogers joined Varian as a research physicist in 1949. He was appointed sales manager of the company's Special Products Division in



Employee Development Programs

Evening Classes—

In addition to Employee Development Program I scheduled to start October 3, there are other programs scheduled and still others planned but not finalized. A list of these additional programs follows:

- Effective Speaking Starts 9/18 Stanford Plant
- Engineers Shop Practice Starts 9/28 Stanford Plant

(Continued on page 2)

★ ★ ★ ★ ★

United States Savings Bonds

NOW PAY 4.15% TO MATURITY

Higher Interest on Your Old Bonds, Too!

■ ■ ■ ■ ■



Ultrasonic Detector Wins Top Food Award

Delcon Honored—

A 1967 Putman Honors Award for "... a major contribution toward more efficient and effective operation of food plants" has been won by Delcon's Ultrasonic Translator detector.

The plaque inscribed to Hewlett-Packard Company, Delcon Division, was presented to General Manager *Alan Simpkins* (at right in above photo) at the Mountain View plant last month by Karl Robe, associate editor of Putman Publishing Co.

The biennial awards are made for outstanding developments of major importance to the food industry. Cited as the Ultrasonic Translator detector's contribution was a new technique for maintaining vacuum cooling retorts for the fast refrigeration of perishable field crops for rail shipment.

The technique, using a Delcon Model 4917, was first employed by Holtville Veg-Vac Pre-Cooling, Inc., a firm serving growers and shippers in California's fertile Imperial Valley.



Fred Horman, Cancer Victim

Organized Horman Associates—

Frederick Horman, 64, founder and president of Horman Associates, Inc., died of lung cancer, August 1, at Georgetown University Hospital, Washington, D.C.

Horman Associates was organized on June 1, 1953, by Fred Horman as an independent representatives organization to supply technical sales and engineering aid for manufacturers of electronic test equipment in the Washington area.

Horman began his sales engineering career in 1932, when he became affiliated with Burlingame Associates, the East Coast's first modern electronic instrument representative. It was while Fred was associated with Col. Burlingame that he first met Dave Packard, who had arrived to demonstrate a new RC audio oscillator. As a result of this demonstration, Burlingame Associates became, in 1939, the first East Coast representative for Hewlett-Packard. Shortly after the death of Col. Burlingame, Fred Horman set up his own organization in 1953. Thus, with only a slight break, Fred had been in direct instrument sales for over 35 years and had been selling HP instruments for over 25 years.

Both Horman Associates and Horman Electronic Laboratories, Inc., which repaired and serviced equipment sold by Horman Associates, were sold to Hewlett-Packard in 1962. Fred continued to work for HP as general manager of the Washington and Baltimore offices for several years. For the past two years, he had served as a consultant to Hewlett-Packard.

Horman, a native of New York City, educated himself in electronics through correspondence courses during his eight years as a merchant seaman with Standard Oil of New Jersey. In 1929 he began teaching radio engineering at the Radio Corporation of America Institute in New York City. During World War II, Horman worked with the New York State Board of Education setting up training schools for the Army Signal Corps.

Helped Restore Convent—

Since 1962, Fred had devoted much of his time to his duties as a member of the board of directors of the Restorers of Mount Carmel, Port Tobacco, Md. The shrine and chapel there are part of the first Catholic convent on the East Coast, established in 1790 by Carmelite nuns from Belgium.

He was also a member of the board of the Catholic Youth Organization, a member of the Church of the Little Flower and its Holy Name Society.

He leaves his wife, Mary, six daughters and four sons.

A Requiem Mass was offered at 11 a.m. August 4 at the Church of the Little Flower, Bethesda, Md., with burial in Gate of Heaven Cemetery.

A Note of Appreciation

Thanks to all our friends of Hewlett-Packard for the many cards, flowers, gifts, and many visits to see Bert. Especially thanks to Mr. Packard for his most appreciated letter, and Terry Bowman for his daily visit to the hospital.

Pam and I are leaving California June 20 to make a new life near my family in Pennsylvania.

I would love to hear from some of you when you have time, and please lock us up if you ever come East.

I will send my address as soon as our new apartment is completed; until then, mail can reach me at 218 South Kerrwood Avenue, Sharon, Pa. 16146.

Thanks again,
HELEN MALSOM



TOP AWARD! HP's Corporate Tax Manager, ERNIE BRIOZA, president of Peninsula-Palo Alto Chapter of National Association of Accountants, accepts NAA's Stevenson Trophy as outstanding chapter among 215 in the world. The award was made at the Denver Hilton on July 8. In the competition for the various trophies and banners, the chapters compete in a number of activities, including membership growth and retention, public relations, manuscript writing, plant visits, and educational and community activities. The battle for the trophy was extremely close, with only six points separating the winner from the second-place chapter. The association has over 61,000 members, and membership is available to any person interested in accounting.



LANCE CORPORAL WILLIAM M. PRATT, JR. shown being awarded the Air Medal with three Clusters by Maj. Gen. L. B. Robertshaw (see Dymec News).

MAP

(Machinist Apprenticeship Program)

By LINDA BONES

Greetings—

The welcome mat is cut to *Don Kelly*, *Mike Lewis*, and *Ron Watson*, whose first assignments will be learning all there is to know about metal stock. You can find Don helping Bill Merg in the Microwave Model Shop, Mike assisting Hugh Brand in our Dymec production shop, and Ron working under Al Harber in the Microwave Production Shop.

Grad of the Month—

Leonard Martin became the 42nd apprentice to complete HP's MAP. In looking back over his four-year "hitch," Len said that at times he found the going a little rough, but for the skills and knowledge he has acquired he would gladly do it all again. Congratulations, Len, and best of luck in going after that AA degree in tool design while working nights for George Carpenter in the Microwave Production Shop.

News—

Does anyone know of a good plumber? Our communications pipeline on the return side seems to be defective. What we really need is news *about you*—or your fellow apprentice. With this being vacation time, there should be some interesting news items to send to your reporter for the next issue—snapshots would be great, likewise.

New Training Areas—

Starting this month, HP machinist apprentices will receive rotational training assignments in our Mountain View Production Shop under *Jim Robertson*. At this time the work processes include drill press (single spindle), lathe fundamentals, mill fundamentals, N/C-1, engine lathe, and production milling. Other processes may be available in the near future. These additional training facilities are most appropriate—coming at a time when the entry rate has been accelerated from two to three apprentices per month. Welcome to the HP Machinist Apprenticeship Program, Jim.

Meet the MAP Steering Committee—

As HP continues to grow, changes occur in shop management which also affect changes in the Machinist Apprenticeship Steering Committee. In general, the committee is responsible for the active administration of the program and presently includes: *Harry Bligh*, MAP Chairman and Manager of the Microwave Model Shop; *John Bogren*, Manager of F&T Tool Engineering; *Lew Cantwell*, Co-Manager of the Microwave Production Shop; *John Doyle*, Manager of Microwave Manufacturing; *Tom Edwards*, Graduate Apprentice Representative and a Leadman in the Microwave Production Shop; *Jim Ferrell*, Manager of Microwave Manufacturing Engineering; *Hugh Foster*, Co-manager of the Microwave Production Shop; *John Gilbert*, Dymec Tool Engineer; *Jerry Heigl*, Manager of the HPA Model Shop; *Connie Henderson*, MAP Coordinator and Training Specialist in Corporate Personnel; *Ed King, Jr.*, Production Manager of Paeco Tape Heads; *Ed Miller*, Manager of Corporate Manufacturing Engineering; *Bill Nicewonger*, Manager of the HP Labs Model Shop; *Jim Robertson*, Manager of the Mountain View Production Shop; and *Swede Wild*, Superintendent of Microwave Fabrication.

Reminder—

Don't forget to send your news items and snapshots to *Linda Bones*, Bldg. 3U, Ext. 3084. How would you like to be a reporter with no input to output?



"All right, then. Who was able to see the pole?"

HP Symphonaires

By MARION PILLOW

Hit Programs—

Our new setup, with *Jim Nivison* as business manager in charge of scheduling requested programs, is functioning nicely; we've already had one of the programs and have three more bookings coming up in rapid succession.

July 25 we were invited to sing for the PAECO group, and what a wonderfully receptive audience they were. The performance was given in the cafeteria, and crowded as it was, we managed without incident to sing these selections: first our "theme"; next, "Scarlet Ribbons" and "Erie Canal"; then we gave "Moon River" its first public outing; and finished with the medley from "Oklahoma." We wish to thank all those PAECO people for such a warm, friendly reception. The enthusiasm was so great we have a promise of at least two more male voices and an undetermined number of female voices. PAECO is already well represented with *Margaret Abarca*, *Johanna Cordero*, *Dee Carver*, altos; *Charmaine Berry*, tenor; and *George Garcia*, bass. They're bringing in the new people to our next rehearsal.

If you read music and love to sing, come along and join the chorus—we're real friendly!

We were invited to sing for the San Jose Chapter of the Barbershop Quartets of America on July 31. We hope to have their group come to sing for us at one of our rehearsals.

Our next performance is August 27 at the IOOF Home in Saratoga at the invitation of the Palo Alto Rebekah Lodge No. 291, who are visiting that day. More about these dates later.

Thanks, Pat!

Once again, Miss Pat Hufford came to our rescue and played for us at PAECO. She has graciously consented to travel to San Jose with us, too. Our regular pianist is vacationing. Thanks again, Pat!

We hope to be clothed in matching dresses for our girls and jackets for the men. The committees have been appointed to get information on several different styles and fabrics. The HP colors will be coordinated with the girls' costumes—a light blue and white—and the men in dark blue.

The second smaller group within the Symphonaires has been chosen to do a series of beautiful Japanese melodies. They will be performed in Japanese and English with the help of *Mini Watanabe* translating.

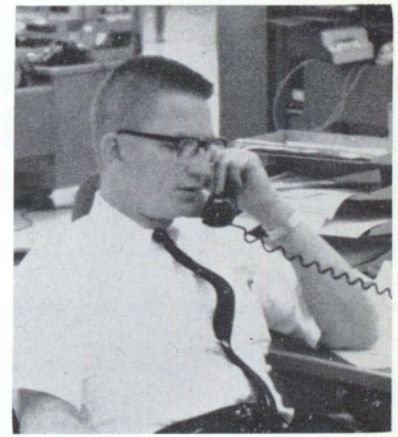
Bye-bye, now.

A Note of Grateful Acknowledgment

I wish to thank all my wonderful friends of Hewlett-Packard for their kindness and thoughtfulness during the recent loss of my beloved husband.

—ELIZABETH WERTZ (2L)

Smelek to Mt. View



Ray Smelek

Division's New Manufacturing Head—

Mountain View Division's new Manufacturing Manager, *Ray Smelek*, is a direct import from South Queensferry, Scotland, where he served as manufacturing head in our HP Ltd. plant.

Ray's travels with HP took him from the Microwave division in Palo Alto in 1963 to our manufacturing plant in Bedford, England, where he served as manufacturing manager for four years.

When the HP Ltd. plant began to expand, it was necessary to move from England to its present location at South Queensferry, Scotland. At that time, through an extended period of hiring local people, the wiring and assembly lines now numbered 100 girls. These workers packed up their equipment one Thursday noon and, by Monday morning, were 400 miles away in their new quarters operating smoothly at South Queensferry.

Employees at Scotland now number 330 local persons. The plant manufactures some 65 different instruments, which are sold mostly to the European Free Trade Association. They also sell to the European Common Market and export to the United States and Canada. The Scotland plant is self-contained to a great degree, and what they do not manufacture there, is shipped over by a special "once-a-week" air shipment from HP Palo Alto.

Ray stated he finds our manufacturing people here at the Mountain View division, just as those in Scotland, have the same personal incentive and HP pride that makes the difference between a good job and a fair job.

The four years Smelek spent in Europe were broadening in background for his children, aged nine, seven, five and two. The two-year-old was born in England, and the seven- and five-year-olds have pronounced Scottish accents—which he is sure they will lose shortly.

Ray's nine-year-old boy is spending the summer in Paris with friends before he returns to the family home in San Jose. The Smeleks resided at Dalgety Bay in Scotland, where Mrs. Smelek was fortunate to have a 19-year-old French girl who came into her home as a helper in return for learning the English language.

By MARLENE MINEGAR

F&T Picnic Review

By LEN LADOUCEUR, *Chairman*

Credits—

I would like to take this opportunity to thank each and everyone of my committee chairmen and their co-workers for the terrific cooperation and hard work they put into the F&T picnic. Without the help of all you folks, a picnic like this could not be brought to pass. Special thanks go to *Ed Marshall* and his efficient crew for preparing and cooking the steaks and hamburgers; as always, they did an outstanding job. I would also like to make special mention of *Bob Norman* and *Ray Shannon*, who so ably organized the carnival area, a job much bigger than one might imagine. To *Jack Weiersbauser*, *Smitty*, and *Harvey Spencer*, who do so many things to help the chairman—my thanks. Since space doesn't permit naming all of you wonderful people on the many different committees, please, therefore, accept one big "thank you" for all of your efforts and hard work. It was a great picnic!

Evening Classes

(Continued from page 1)

| | |
|-----------------------|---------------|
| Letter Writing | Not Finalized |
| Technical Writing | Not Finalized |
| Schematic Reading | Not Finalized |
| Survey of Electronics | Not Finalized |

The evening courses are generally held from 4:45 to 6:45 at the Stanford Plant. For enrollment information contact *Ed King*, Ext. 3292.

NEW EMPLOYEE DEVELOPMENT PROGRAM

Voluntary Participation—

The Evening Employee Development Program will again be held at the Stanford Plant, beginning the week of October 2.

This is a voluntary evening program held one evening a week over an eight-week period. Employees of all divisions and affiliates in the Palo Alto area who have not participated in previous Supervisory or Employee Development Programs are eligible to apply.

Program Objectives—

The major objectives of this voluntary evening program are to further develop your understanding of:

1. HP's philosophy and organizational structure in relation to the over-all corporate objectives.
2. Human behavior, particularly concerning practical behavioral problems in the work situation.
3. Personnel policies and procedures.

Application—

All interested employees should complete and submit the form below to *Ed King, Sr.*, 3U, not later than September 15.

(Detach here)

EVENING EMPLOYEE DEVELOPMENT PROGRAM I APPLICATION

Name..... Ext..... Date.....

Division..... Position..... Supv.....

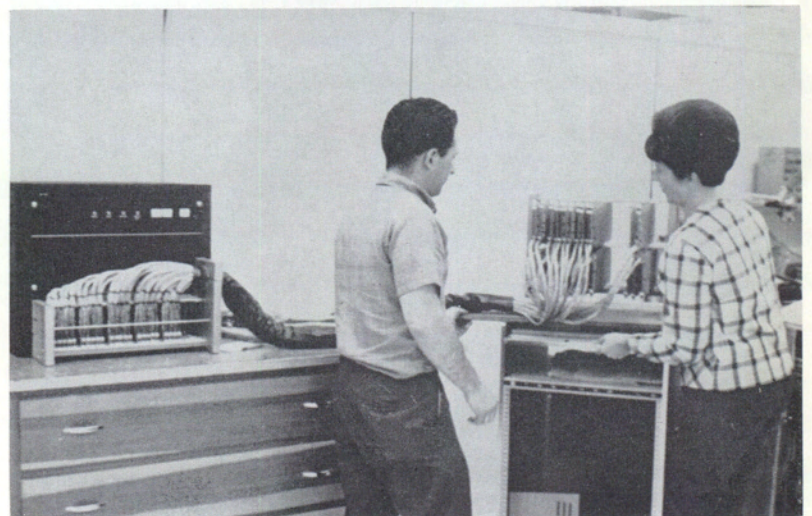
Select one:

- I previously applied for this program.
 This is my first application.

Indicate first and second choice by placing a 1 or 2 in the applicable boxes:

- Group A—Tuesday evenings, 4:45-6:45—begins October 3
 Group B—Wednesday evenings, 4:45-6:45—begins October 4
 Group C—Thursday evenings, 4:45-6:45—begins October 5

If selected, can you attend all eight sessions which are required to successfully complete this program? Yes No



WIRED CIRCUIT ANALYZER—From the days when visual examination and ohmmeters were used to examine wiring harness accuracy, we have now come to the highly sophisticated Wired Circuit Analyzer which Bob Preston and crew of QA Test Engineering unveiled last month. The device pictured here detects shorts, opens, and ground to chassis, and displays the numerical identification of the specific circuits together with the nature of the defect. It is capable of analyzing 550 wire leads or 1,100 circuit connections in a maximum time of 40 seconds. A similar analysis by conventional methods would require many hours of inspection time. The analyzer is programmed through an interconnecting adapter cable to meet the connection requirements of any wired circuit. Pictured with the unit are *VINCE PIAZZISI* and *LOUISE HARDY*, who accomplished the actual construction and wiring of the unit.

1967 Family Picnic Season

By JACK WEIERSHAUSER

*A Smooth Performance
By All Hands—*

Before any family picnic can be considered, dates, divisions, and combinations of divisions must be named, campsites made ready, and publicity released. Then comes the "choosing" of a picnic chairman for each picnic. Estimates of attendance are guessed, steaks in round numbers are ordered—and then we wait for the rains to cease.

As in past years, equipment was checked and decisions made: new corn baskets were designed by Ed Henry and Jim Madsen of F&T Model Shop, BBQ grills repaired, butane burners checked, all suppliers notified and partial orders placed, and games and supplies for the carnival booths inventoried.

Then the rains continued and June was here and more rain, and after seven days the first picnic was postponed to July 29. On June 17 Microwave Division moved in—3,700 strong. Harlan Flattley, picnic chairman, was ably assisted by Bill Keilig, Rudy Morehead, and other well-trained committee chairmen. A beautiful day for a picnic and a good time for all present.

Len Ladouceur chairmanned the F&T picnic on June 24 with 2,500 people, Turk Murphy, and a late-arriving elephant. A beautiful picnic day and a swell time.

Came the Fourth of July and the next Saturday of holiday repayment, and then came Division "O," "7," Materials, and Neely-Palo Alto—with "Papa" Dave Johnstone in charge—entertained and fed the 2,300 present. A beautiful picnic day and much fun for all.

Dymec was next on July 22, with Bill Abbott leading 1,200 eager employees and their families. A beautiful day and enjoyment was rampant.

On July 29, the postponed groups of PAECO, HPA, Delcon, Western Service Center, and Mountain View divisions got together for the last picnic. Tom Miller of PAECO and Paul Gearhart of WSC were co-chairmen, with much help from Bill White of Mountain View Division, Tom Coffaro of PAECO, and Ole Volbontseff of Delcon; 2,300 enjoyed the offerings of food and fun. Naturally, it was a beautiful picnic day.

Then came the cleanup—very special thanks to Harvey Spencer, Liz Rosgen, Jonny Biddulph, and many, many others!



TERRY BOWMAN (5U) looks as if he'd like to have the new bath towel PAT POWLEY received for her birthday.

* * *

Society asks of most men more than sheer ability. It demands also moral hardness, self discipline, a competitive spirit, and other qualities that, in more old-fashioned terms, we might simply call "character."

A Hearty Thank You!

I want to thank all the people in the Mountain View Division for the fine job they did cooking and serving at my picnic. A special thanks to Betty Fiebmann for her many hours of planning and hard work, and a good pat on the back to friend Ginnie White. And, of course, no picnic would be complete or as organized without Jack Weiershauser, Smitty, and Harvey Spencer. Thank you all for another great picnic.

—BILL WHITE



CONGRATULATIONS to F&T for producing their 10,000th, 5253B. Holding one of the highly accurate Frequency Converters is MORRIS GRAVES (left), assistant in charge of the plug-ins, while BRYANT BURGESS, line supervisor, proudly holds placard. Productionites and engineers responsible are left to right clockwise: Morris (group leader), SANDY AVENTE, BETTY FURUSO, RICHARD NUNES, BILL ADAMS, MEL JORDAN, FRANK KRAMER (in plant engineering), TONY KOIJ, GEORGE ATHERTON (test leader), DICK MILLER (in plant engineering), GERI ROMAN, ODESSA BELL, TONI CATALANO, ALAN ROEBUCK, HERB BENZ, ELSIE RICHARDSON, and Bryant (supervisor).



IN THE RATIO of the number of division employees to members of the HP Symphonaires, Paeco leads all other Palo Alto divisions. Front row, left to right: MARGARET ABARCA, DEE CARVER, CHARMANE BERRY, JOANNE CORDERA (all from Paeco), PATTI BUFFORD, pianist; back row: JIM NIVISON (5M), business manager; GEORGE GARCIA, Paeco; and DUKE MADSEN (5M), director.



DOLORES CATTON, Section 1, Microwave, was given a surprise luncheon by her co-workers when she left HP on June 23 after almost 18 years of service. The luncheon was held in the Garden Room of Ricketts Hyatt House and attended by many of the friends Dolores has made over the years. Shown admiring some of the beautiful gifts Dolores has made over the years. Shown admiring some of the beautiful gifts Dolores received, including a silver coffee service with matching shell servers and gold, jade and pearl earrings, are, left to right: BILL RODRIGUES, JOHN BICKMORE, LEE STARR, DICK PERRY, CHARLOTTE RUSSELL, BUSTER ALEXANDER, JERRY BURGESS, Dolores and her husband, Clayton Catton. Dolores and Clay have now moved into a new home in San Jose, and, together with their beloved German Shepherd, "Lindy," are making plans for another Catton (by adoption) to add to their happy family.

HP LABS Solid State Laboratories

By TERRY INOUE

Chip off the Old Block—

We have with us this month two new members of the Solid State Lab who are here to help us for the summer. If you'll scan the page you will find them pictured as captured by our photographer, Jim Meyers.

Walter Hewlett is one of the physicists who has joined us for the summer. He is a graduate of Harvard where he obtained his A.B. in physics. This fall he will enter Stanford as a student in engineering sciences. He is a true native of Palo Alto and attended Paly High, where he was active in track events. He broke the South Peninsula Athletic League's 1,320-yard run in the "B" race. He was then considered one of the top ten contenders in the country in the 2-mile run. Walter continued in track at Harvard, winning several events and was All-American there in the cross-country races. At present he is training for the marathon. His hobbies include playing the piano, string bass, and various other instruments, as well as enjoying listening to good music. Prior to coming here, Walter taught physics and algebra at Cambridge School of Weston, a high school located near our Sanborn Division. While with us, Walter is working with Dr. Robert Burmeister in the Materials Research group. His project is concerned with two-band electron transport phenomena in Gallium Arsenide and Gallium Arsenide Phosphide alloys, which are used as the active material in solid state light sources. He has been measuring the Hall effect as a function of temperature, magnetic field and composition, and comparing the results to theoretical calculations based on a two conduction band model. In case you're wondering—yes, he is the son of Bill Hewlett!

High Flyer—

Dean Miller is our other summer help. He is a student at UC-Berkeley, where he received his B.S. degree in electrical engineering and is now working toward his Master's degree in same. He is a native San Franciscan, where he attended Washington High and San Francisco City College. Dean worked four years for the Pacific Coast Stock Exchange, where he supervised the operation of computers for the company. While at UC, Dean has a research assistantship in the Quantum Electronics Group, a part of the University's Electronics Research Lab. His hobby is sailing. He has sailed competitively for about ten years in the San Francisco Bay waters. Dean also flies gliders in Fremont, where he is towed about 3,000 feet and then left to soar on his own! While in the Solid State Lab, Dean is working with Dr. Egon Loebner on optical properties of semiconductors.

That's it for now. Until the next issue . . . sayonara!

Microwave, 4L

By FRITZ FITERRE

Freeman, Surf Victim—

It is better to give than to receive, say 50 HP folks from Microwave machine shop and office force.



DON FREEMAN

These men went home with a good feeling in their hearts after putting in a day's work at the home of Don Freeman, our late friend and co-worker. With much work to do, many of them started at 7 a.m. on Saturday, July 22. It was a well-organized group. The first thing on the agenda was to get the TV working so the small fry would be out of harm's way. We had an expert on the scene.

The paint crew got started and, before long, entire rooms were painted and trimmed. One group leveled the driveway, installed forms, and was prepared to lay the cement. Another group connected water pipes and still another installed a basketball backstop for the children. A large tree was taken out where it interfered with the driveway and was sawed into fireplace lengths. The large stump was hauled away to the dump, along with other odds and ends. They all seemed to be impossible tasks.

The trim, windows, and eaves needed to be painted on the exterior of the house. All of these and many other jobs and cleanup tasks were performed.

Swede Wild brought the gang a few cases of beer to quench their thirst, and it was indeed appreciated by all.

Tragedy Strikes—

As we all know, Don had a big responsibility with his family of six children, and he did all in his power to provide a good home for his brood. He was on vacation with the family at Pismo Beach when he drowned in the surf.

Don was section manager of the Waveguide fabrication department. He came to HP in 1954. Working in Building 713 at the Palo Alto plant, he started as a machinist.

Many Interests—

He had many interests, but closest to his heart were his children—five boys and one girl. He helped them in Scouting and in their Boys' Club and other activities.

Mrs. Freeman will remain in their home with the children for the time being, and possibly at a later date will resume teaching. Her mother is staying with her and the children for the present.

The balance of work left after last Saturday is some touchup painting and pouring the cement for the driveway. This will be accomplished in the near future by Nick Brackus and his gang on swing shift. I am very proud to work with men like these at HP.



ABLE HANDS make light work at Freeman project (see above article, please).



DYMEC NEWS

By JAN MCCRANEY

Where the Action Is—

Gads, have we a lot of happenings! Some already have happened, and others are still going to. So let's see if I can remember all of them.

We have *Rich Phillips* (Stock Room) back from two weeks with the National Guard down at San Luis Obispo . . . *Sal Costa* (Paint) had his son home for a couple of weeks' leave from Fort Benning, Georgia . . . *Byll Pratt's* (Sheet Metal) son, William M. Pratt, Jr. (see page 2) was awarded the Air Medal, three clusters by Maj. Gen. L. B. Robertshaw. He was given this medal for his outstanding support on combat missions. He is currently with the Marine Helicopter Squad, and I don't think I need to say more. What a boy you've got there, Byll! We're just as proud as you are . . . Now this next fella hasn't done too much except cause his father to develop a few gray hairs. His name is Eric Goslawsky. Yeh, his daddy is *Gus Goslawsky* (Stock Room).

Now for the gals: *Paula McCoy* (Bill Harris) is now Mrs. Simms; *Carol O'Bryne* (E. Williams) is now Mrs. Marshall. Congratulations, girls! . . . Also, congratulations to *Gail Opdahl* (Ray Calmes) and *Jody Ramponne* (Dale DeWitt) who have new baby girls . . . But get this—*Jean Bernhardt* (Bill Harris) is a grandmother of a 12-lb. 1-oz., 22-inch-long granddaughter, and *Susan Martin* (Cables) had a 10-lb. boy. WOW! Guess they'll both be ready to start school by September . . . *Ed Gorham* (Sol Schmidt) is the proud papa of a 7-lb. baby girl named Elizabeth Elaine. She was just a little tyke, Ed, compared to these other two little wrestlers.

Places and Faces—

We have some technician apprentices with us, who are: *Ron Liddell* (P.C.), *Merv Kemmerer*, and *Joe Viscovich* (Ray Calmes), *Mike Widby* (B. Harris), and *one new machinist apprentice this month, Roger Hudson* (Machine Shop) . . . We also have some gals from Delcon who are here to spend most of the summer with us: *Peg Proseus* (Mfg. Specs), *Wilma Viscovich* and *Jean Schroeder* (P.C.), and *Ethel Scott* (Cables). Some new personnel consists of: *Larry Redmond* (Mach. Shop), *Art Levin* (P.C.), *Louis Cortez* (Ray Calmes), *Jay Denny* (Computers), *Donnita Holland* (Tom Snodgrass), and *Dolores Kinobi* (Purchasing). Welcome! . . . And here are some more cute and handsome Summer Times: *Nat Handy* (Cables), *Dorothy Edwards* (B. Harris), *Erma Gaines*, *Suzanne Leimbrock*, and *Raleigh Klein* (G. Omori), *Cathy Prendergast* (Don Bechtel), *Chuck Pender* (Stock Room), and *Dale Beckmann* (George Canfield). Glad to have you in the family and hope you'll enjoy the summer with the rest of us!

Hey, *Lillian Pribanich*, what did you go and get yourself all burned up about? In the sun, I mean . . . *Glenn Stevens* has a badly bumped toe and likes to scare people to death—especially me! . . . I've noticed *Nat Handy* wearing those same things on his ears that *Lois Thornburn* does. Wonder if she told him about my singing! . . . *Floyd Bumbaca* has a little green bug he's running around in. Careful it doesn't get squashed . . . *Lee and Carol Cozart* have a new Porsche . . . *Gerry Priestley* has one also . . . But they couldn't outdo *Bob Schaefer*—he acquired a sailboat. Oh boy! When do we get some rides?

Clem Voss is going to Hawaii for her vacation and, with those dresses she's been wearing lately, I say she'll be right in the swing of things, and with her new bathing suit, too.

Happy Birthdays to: *Richard Bean*, *Jack McKee*, *Jack Goodwin* (still having 'em?), *Ray Bain*, *Signa Conner*, *Levi Robinson* (ole coffee toter), *Nick Just* (that's my keed), *Wayne Chapp*, *Charles Barr*, *Tillie Silva*, *Hugh Brand*, *Jane Daley*, *Sharon Mitchell*, *Dick Naftzger*, *Shirley McRae*, *Marg Soliman*, *Bill Harris*, *Harriet McIntyre*, *Joe Viscovich*, *Vincent Lee*, *Helen Dickens*, *Gladys Rebsom* (where's them glasses?), *Roger Fairfield*,

Husband of Ruth Faulstich (7C) Honored

FBI Academy Gives Post To Faulstich

Redwood City Police Chief William Faulstich has been elected Western Region representative of the FBI National Academy Associates.

The group is made up of law enforcement officers who have completed a 12-week training course at the FBI Academy in Washington, D.C.

Faulstich graduated from the school in 1956.

The section he heads is one of four in the U.S. and includes 13 western states.

The group's function is to keep up to date on current developments in the field of law enforcement.

Mary Amaro (oh, yeh), Bob White (we miss you), Harry White, Lok Lin (Delivery Room!), Barbara Klassen, Harold Rogers (Still 39!), Art Hughes, Bill Roberts, and Larry Walker.

Would you believe—

He rushed his expectant wife to the hospital, the cold sweat standing on his brow. He brought his car to a screeching halt, jumped out, got his wife and rushed her as gently as he could into the hospital. When he got inside he looked around and spied two doors, one for EMERGENCY, the other for DELIVERY. Being one who can make up his mind rather quickly, he headed her for the Delivery room. After all, isn't that where you're supposed to take your wife when she's expecting? Yes, it is. So in he went, and would you believe that Lok Lin actually found himself in a delivery room where packages of all sorts were delivered, except the one they had come for? Well, even with all this, they finally got into the right place, and they're now both proud parents of a sweet little baby girl. The moral of the story? That's right—you can't always believe what you read.

Be careful and courteous in the parking lot, and always wear your safety glasses. Big Bad Jan is watching!

Hello Peggy, Barbara Brown, and Pauline Barker, wherever you are!

Delcon News

By BETTY SHEA

Greetings!

Big welcome to all the various newcomers in the Engineering Department at Delcon. Another new face is Rita Bauer in the cafeteria. Happy to have you with us, Rita . . . Jerry Uplinger back—smiling, pleasant after a spell in the hospital. Engineering and Production were just not up to par without you, Jerry, so keep feeling better . . . Wilma Viscovich, Ethel Scott, Jean Schroeder, and Peg Proseus: we at Delcon really do miss you, although I know Dymec is pleasant . . . Sam Gilbert left us to go into business with his father. Delconites presented him with a new billfold, plus some mad money . . . Eli Bogdanovich has been promoted to stores leadman. We wish you success and happiness in your new position.

New Tops—

Delcon has a new look, thanks to our Ray Stewart for all his hard work in designing new work bench tops, parts bins, etc. They are beautiful and a joy to work on. John George, of course, did a marvelous job in the workmanship of restoring our benches and installing the new tops. Hats off to all! . . .

Sorry to write that long-time Delcon-HP employee, Margaret Best, is leaving us. We will miss you; however, Arizona is friendly and the best of luck to you.

Fay Stukins is back smiling and telling all about her lovely visit with daughter and grandchildren from Illinois. They flew out and all went fishing, boating, etc. at Pinecrest . . . Bob Allen was away on business for a few days. Understand some of his staff restored his office in junk fashion—real surprise . . . May



Photo by Cindy Caruso
Two showers in two days for IVAN SCOTT of PAECO—no wonder the groom-to-be has that large smile on his countenance! Gifts of a beautiful orange serving dish and vase, bookends, towels, pot holders, and apron. We wonder who's wearing the apron when it's time to help with the dishes?



Photo by Harmon Traver
WALTER ENG, Sales and Engineering Manager for Paeco, presents farewell gifts to departing artist, BARBARA LeGENDRE. Barbara transferred to F&T (1L) to work for Bob Oswald.

Green vacationed to Mexico with her daughter and family to do a little cha-cha, sip a little vino, etc. . . . Jean Schull is back from seeing all the folks in Oklahoma—vacation was lovely, and the blackberry cobbler was just toooooo much. Mom's is the greatest! . . . Eleanor Smith did a beautiful job filling in as our receptionist for those on vacation. She and George Bender had a sweet time about G.B. having 50 test control men in—you might know it was TWO THIRTY PEST CONTROL MEN (back to your bench, Smitty). Sorry about this—just too beautiful.

LaVonda Wells is on leave due to the illness of her husband. We all wish him a speedy recovery . . . Shirley Young had to make an emergency trip to the side of her husband's 82-year-old mother, who was operated on and was on the critical list. Our wishes for the best are with you each day . . . Our thoughts and deepest sympathy go to Ruby Felt (cafeteria staff), whose mother has been seriously ill.

Some kids get all the breaks. Not only did Betty Padgett's daughter graduate from high school, but Mama got her a complete oil painting set—easel, canvas, etc.—for her famous 18th birthday . . . Joe Conti is back, tanned, happy, and full of mischief after a week's vacation . . . Arlene Frigerio and Thelma Parrett scooped me again by getting a boat ride. Or was it a yacht or sailboat? Heard it was one of your more pleasant and romantic times. (I have ways of finding out these goodies.)

Elaine Elliott was a do-gooder. Brought us kids apricots fresh from the tree . . . Fumiko Ivey is out ill—hope all is well soon . . . Dallas Gill certainly has been busy with conferences, flying, shipping equipment, and talking to sales reps. Maybe next issue we can get some information on this . . . Welcome to Larry Wilson, new member with George Bender's great team of building engineers and maintenance crew . . . Alan Hansen still busy with the new baby plus grass cutting—how about wall-to-wall concrete?

★ PUT YOUR MONEY WHERE
★ YOUR HEART IS — IN AMERICA
★ Sign up for
★ U.S. Savings Bonds
★ New Freedom Shares

PAECO NEWS

By FRED A COOK

People on the Move—

Frank Bunya left us amid cake, balloons, and glasses stuffed with onions and olives. Frank, who has been with PAECO 15 years, has moved to F&T . . . Barbara LeGendre, who has been with us quite awhile (6 1/2 years), also has transferred to F&T to a new drafting job . . . Norm Nilson has left us, too—on August 3 he became administrative manager for the Syracuse Area of Eastern Sales Region . . . Priscilla Bumbaca has been transferred from Tapeheads to the office as Gene Daniels' secretary.

New People—

David Werthman is our only new person of the month. He's been here before, five years to be exact. Dave received his five-year pin in Germany—he was on one of those extended vacations the Army provides for most of our young men.

Vacationing Gadabouts—

Dal Miranda just bought a pair of skates guaranteed not to rust in salt water. He is off the first week in August for a six-month bicycling trip through Europe. He thought the skates might be pretty speedy, too . . . Irma Rebbein of Precision Winding should be home in Germany by the printing of this month's *Watt's Current*. The girls of Precision Winding gave Irma a bon voyage party and presented her with an orchid corsage (see picture). Emma Tosetti took her heart in hand and boarded her first flight, bound for a friend's graduation in New Orleans. Must be a true friend to fly all that way . . . Virginia Lee has just returned from a vacation in the fair land of Minnesota . . . Rosie Steele couldn't stand the peace and quiet so she's decided to let her two children (Brad and Holly) come home after visiting their grandparents in Santa Rosa. Rosie, are you sure you're feeling OK? . . . Earl Garthwait has returned from his Canadian vacation in Banff national park. Say they had a ball just relaxing, spent lots of money, and the food was just marvelous . . . Thelma Davis' daughter has bribed Thelma to take her granddaughter, Debbie, on their vacation to St. Joseph, Missouri . . . At this time I would like to break down and weep, there are so many people coming from or going on vacation . . . HELP! . . . Lee Ramirez is vacationing in Reno. She hopes to win back the furniture she lost on a previous trip. Any donations of furniture will be accepted—sleeping on the floor gets pretty tough . . . Ken Bundy is still in Nebraska taking it easy . . . Ed Hoencik is in and out of Reno every chance he gets . . . Speaking of history—? Joe Scherffius' six-year-old son, Wayne, played his grandfather's 337-year-old violin while they were on their vacation back in Tennessee. That's quite an event to remember!

Casualty List—

Dottie Daniels spent a pleasant four days on an ant hill in Burning Falls? Our plant nurse, Dorothy, sent her home because she thought she had the measles . . . Lovine White slammed the car door

on her hand and it took about five martinis to ease the pain . . . Gayle Fulbright, our PAECO softball slugger, cut his hand so badly that he'll be out of work for three weeks—and no more ball for this season.

Random Thoughts—

Hurrah! Barbara Allee is engaged. The date's set for October. That hardly makes her Palm Springs vacation worth mentioning . . . Ron Ricci has finally stopped singing. A special thanks for this service comes from the girls in stacking . . . Adeline Mendonca will be winding square wire when she takes Ollie Dixon's place while Ollie is hospitalized . . . Ruthie Diehl is keeping Ruth Bradfield's chair warm while she vacations in sunny Italy . . . Larry Pritchard tells us that his "Dingbat Cage" he's been working on is almost finished. Any volunteer bats? . . . Chuck Beatty, Jerry Sosa, and Bob Jimenez have been policing up the production area, cleaning gum off the floor, etc. They're looking for trainees . . . Roxie Gerns just bought a four-footed black-and-blue bird. I think it's called a "T-Bird"? Sure sounds jazzy . . .

"Clean" Word—

The mystery of the Green Doors has finally been solved. It seems that behind those doors is PAECO's first clean room to house Chemical Milling. Only those who announce the secret password (over the intercom system that's installed in the doors) will be admitted. Grapevine hasn't received any words yet, but I personally think it's "Dick sent me."

Dianne Tuveson tells me, over her fondue recipes, that Leslie Conner likes working in the office. By the way, Dianne, are you supposed to eat, drink, or use a straw with fondue?

Wanted, Dead or Alive—volleyball team challengers. The Animals say "anything you can do we can do better." Challenge us and see for yourselves. Anyone interested please phone our zoo keeper, Arlene Hawkins, ext. 2900. We haven't lost a game yet . . . Manfred Mueller, the broadcasting voice of PAECO division, has a new TV antenna to carry his mellow voice far and wide. Tune in on KFMR, 104.9 on your dial from 9 to 11 p.m. (on Sundays) for a pleasant evening of music . . . Western Service Center won the first half of their softball games. As usual, I'm sure our PAECO sluggers had something to do with it . . . Our bowling team's still fighting for last place—how's that for team spirit? Keep up the good work, gang!

PAECO was honored this week with a concert by the HP Symphonaires. They gave a most enjoyable performance and their sparkling voices certainly perk up one's day. A great big "THANKS" to all of you!



Now a new way to help your country as you help yourself

U.S. SAVINGS BONDS NEW FREEDOM SHARES



VERA ANDERSON of Delcon is shown cutting her wedding cake. Those looking on are: BOB ALLEN, HELEN KEYS, NOEL DAMON, SHARON PERDUE, and JIM BRADFIELD. Vera is now MRS. GEORGE ANDERSON, and Delconites presented her with a beautiful cool green penguin-and-gown set, plus some cash to do fun things on Reno honeymoon.

410 Precision Moonlighters

By FRITZ FITERRE

HAPPY VAGARIES—

Just hoping everyone had a fifth on the Fourth, a box of firecrackers, pinwheels 'n' noisemakers, fried chicken, corn on the cob, 'n' lots of cool watermelon—and had a real lazy day.

GET WELL—

RAY FAWCETT in QA is recovering from a hernia operation on July 2 at Stanford Hospital. "Fav" is doing very well and returned home July 7. He will be required to rest for six or eight weeks to recuperate, so keep those cards coming. Ray will enjoy hearing from you.

VACATION RETURNERS—

KEN BROWN and his family enjoyed a 7,000-mile jaunt to Washington, D.C., to see the U.S.A. and visit historic places which are so numerous in and around Washington and Maryland. They drove the northern route, touching Chicago, and returned the southern route.

JIM HENRY made a quick trip to Lake Tahoe and then spent the rest of his vacation around the pool—that lake was just a little too large.

Emil Siebert



"Going to Miss the Gang"

Photos by Nick Brackus

Our long-time friend, EMIL SIEBERT, is heading for the retirement trail—he and his wife are leaving for Minnesota and on to Expo '67 in Montreal this month. We will miss Emil a great deal for his friendship and his workmanship; he also had an enviable work attendance record. All of Emil's friends and co-workers attended a wonderful luncheon at El Rancho, where he was presented with an all-channel TV antenna plus shirts and ties. We wish him well and look forward to his visits here at HP.

NOEL SAINDON of the Hob Department has returned to work after three weeks in Green Bay, Wis., enjoying a family reunion with relatives he had not seen since childhood.

DUANE HOLM and family are back from Lawrence Welk country (North Dakota). They had a wonderful time visiting their parents, and three weeks were all too short—welcome back, Duane.

NELS HELSING, leadman for Angelo Caesar in the lathe section, returned to work after three weeks' vacation at Lake Tahoe with his family. They had a delightful time swimming, fishing, water skiing, and just enjoying the sun. Nels and his family enjoy the winters at Tahoe, as well, and do quite a bit of snow skiing.

ERNIE RODRIGUES enjoyed a recent vacation in Los Angeles and Yosemite with his family. Ernie just had a bout with the dental surgeon at Stanford-Palo Alto Hospital, so his vacation was just what the doctor ordered. If all plans work out, Ernie is going to take his family back to his home town next year—Hilo, Hawaii! Let's hope the profit-sharing checks he is saving match the cost of the trip. Good luck, Ernie!

We were all saddened by the passing of our friend, DON FREEMAN. Our deepest sympathy to his bereaved family.

Switches and Swatches from HPA

By LINDA BURKINSHAW

Via Air Mail from Monaco—

July 16, 1967, Nice, France—Sitting at the water's edge on the polished rocks at Nice, I am recalling the first half of my travels in Europe.

I am making a scientific study of European beers and have visited the Henninger Brewery in Frankfurt, Germany; Heinekens in Amsterdam; and the Carlsberg Brewery in Copenhagen (where I met the brother of the doctor at my birth). I will not make an attempt to draw a conclusion until I have completed my study.

I am beginning to wonder if Hans Sorensen is really Danish. His sense of humor doesn't match that of the Danes I met. The young Danes are sarcastically funny. Wonderful Copenhagen is celebrating its 800th anniversary. Contrary to Hamlet finding something rotten in Denmark, I found it delightful.

Bill Hacou and Coby Simons will be interested to know that I met a Dutch Indonesian who took us to Velendam and gave us a tour of Amsterdam. As Bill mentioned, the streets are filled with bicycle riders. It is said that the city locks much the same as it did in Peter Stuyvesant's time.

Ruth Tarno and Toni Goebel: so far the most stylishly dressed people have been these of your city, Berlin. The contrast between East and West Berlin is astounding.

In Paris we awakened at 3:00 a.m. to sightsee "sans" traffic. Saw the elegant floor show at the Lido for the price of one drink. This is possible by nursing one drink for four hours. I couldn't get a French garter for Hank Holzmueller, as I promised, since the dancers didn't wear them, nor did they wear much of anything else. Sorry, Hank.

I arrived in Pamplona, Spain, just in time for the celebration of St. Fermin. On the 7th month, 7th day, at 7 a.m., 6 bulls for the day's Corrida de Toros are set loose in the streets to run to the bull ring. Everyone parties and dances in the streets for the 10-day celebration. We enjoyed the bullfights so much that we saw another in Toledo, a small city near Madrid that used to be the center of culture in Spain. Here we saw Spain's favorite bullfighter, El Cordobes, go through the three stages of the bullfight in real style. The killing of each bull consists of three stages called tercios. The first step is the Tercio de Varas, where the picadores pic, or stab, the bull to injure his shoulder muscles and lower his head. The object of the second stage, Tercio de Banderillas, is to enrage the bull by pricking him with barbed sticks. In the last step, Tercio de Muerte, the bullfighter plunges his sword into the bull, aiming for the lungs. El Cordobes was awarded two ears the day we saw him.

Joe Butero and Roger Nelson will be interested to know that I was pinched in Madrid, but have not yet been to Italy, which is our next step. After that . . . Greece, Yugoslavia, Austria, Switzerland, and home. Having a fabulous time.

Corporate Customer Service

By PIERRE

New Combine—

Both WSC and ESC have undergone reorganization changes. On the first of August, the ESC Parts set-up to function as a Corporate Customer Service Parts Operation. Parts of Eastern origin will be stocked at Rockaway until the Eastern Sales Region headquarters are completed at Paramus, New Jersey, early in 1968, while parts of Western origin will be stocked at Mountain View.

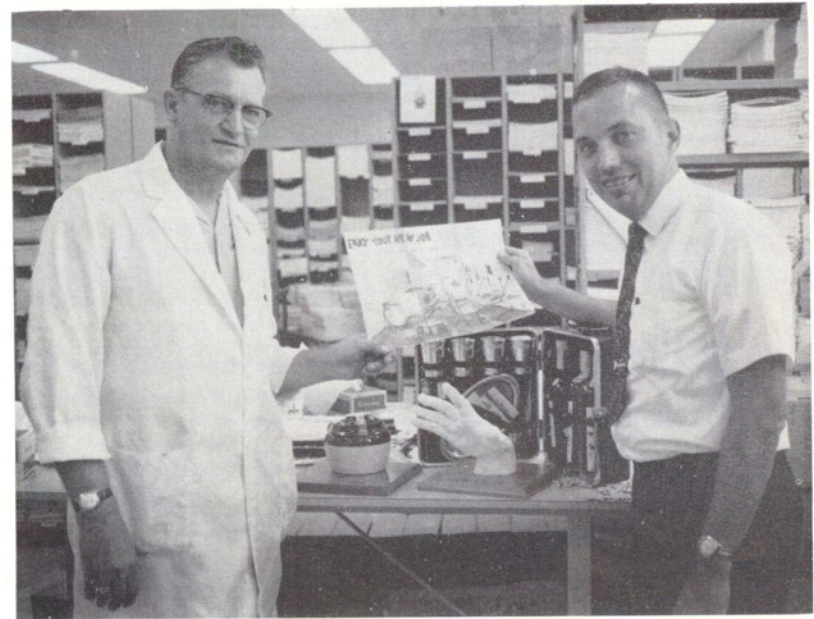
The ESC repair operation is going to become the Eastern Sales Region Service Center and will be one of four sales region repair centers in the U.S. The other three centers will be located at Skokie, Illinois, for the Midwest Sales Region; Atlanta for the Southern Sales Region; and North Hollywood for the Neely Sales Region. Western Service Center will continue its role as the "senior" service center and will provide service backup for all four sales regions plus the rest of the world.

Our service department has increased 13 percent in personnel in the last six months. We are happy to welcome Karen Greenwood of Sunnyvale, who formerly worked at the Stanford Book Store and is now working for Gary Ruppel's domestic order processing . . . Diane Lazarini of Sunnyvale has joined Clyde Francis' inventory control group; Diane formerly worked for Palo Alto Municipal Court . . . Dee Young of Sunnyvale has joined Harvey Kellogg's technical information people . . . Hideo Nishi of Mountain View is now with Hank Meadows' shipping group; he worked for Bonanza Industries in San Jose . . . Dennis Kleinendorst transferred from 6A shipping to join government packing/shipping under Ray Barrett . . . Tom Hogan of Cupertino is now working in parts processing under Jose Zapata . . . Donna Wiley of Sunnyvale has joined the government order processing under Ed Collett . . . Sharon Holstine, our new mail girl, formerly worked for El Camino Hospital . . . Gerald Rood of Redwood City, who used to work for Safety Pacific Company in Redwood City, has joined Bill Stokes' receiving-packaging group.

In order that we regular Service employees can enjoy our vacations, we are grateful to the wonderful college students helping us this summer. From Cal Poly we have: Dan Malone, senior; Bob Burgoon, senior; Richard Friberg, senior; and Elaine Bella, freshman. Dan, Bob, and Richard are working in the Repair section, while Elaine is helping in accounting. From San Jose State: George Ritchie, instructor, is helping in Microwave; Linda Woods, sophomore, filing; Sharon Dowdy, junior, in QA; Brenda Johnson, senior, in inventory control; Jeannie Rother, senior, receptionist; and Liz Warner, senior, in pricing. Diane Hendrickson, junior from Stanford, is working in accounting; Terri Neumeyer, junior from Notre Dame, in government order processing; Valerie Williamson, junior from San Francisco State, in domestic order processing; Ray Jones, freshman, University of Redlands, is working with Budd Cady in graphic art/design; Bill Shepner, sophomore from UC-Santa Barbara; Chuck Walker from Stanford Graduate School of Business is working with Corporate staff; and from UC-Berkeley we have Dave Short and Steven Taber, both freshmen—Dave is helping in parts stocking while Steven is with QA.

Some of the visitors whom we were happy to greet were: Gene Markham, Southern Sales-Dallas; Ron Whitburn and Frank Pattynama from Moseley Division; Joseph Perkinson from Harrison Division; Kay Therp of Loveland Division; Stan Lang and Al Jenes from Colorado Springs; John Schmidt of F&M Scientific; Mike Talbot of Neely & North Hollywood; Bryan Clarks and Claude Mottaz of HPSA, Geneva, Switzerland; John Beyerholm of HP Denmark; Joe de Vos of HP Frankfurt, Germany; and Dave Gibbs of HP Montreal.

Our Happy Travelers and Vacationists—Chuck Ernst journeyed with his family to Mexico City on a combination busi-



BUDD CADY of corporate customer service presents JERRY CARLSON, former WSC service manager, with a "Budd Cady Original" during a "goodbye" get-together at coffee break last month. Below the original cartoon is the "digital computer" (a combination of a huge hand mounted on a plaque and a filled bean pot) to aid Jerry with his new position in finance for Dymec. Jerry was also presented with a portable bar case to relax him when his computer goes awry.

Tank Talk—439

By JEFF CRANE and ROD READE

GOOD NEWS!

The many friends of STAN and MARGARET BAMMANN will be glad to learn that Margaret is home and making a very good recovery. We hope to see her up and about soon.

AL PIÑON has plenty of reason to feel proud lately. Daughter Rosemary has just graduated from Piedmont Hills High School and will soon begin a new career at Heald's Business College at San Jose. Hurry up, Rosemary—HP is looking for girls to handle all those foreign contracts.

JAY PORT did it again at the picnic and whoever doubted that he would—or what it is. Another beer, anybody? Oh, no!

FOR CORN SAKE!

Heaven for climate, Utah?—fish. JEFF CRANE took (how many?) limits of three-pound trout at Flaming Gorge Reservoir on the Green River on Jolly Green Giant whole kernel corn. Corn-fed trout? Fishermen, plan your vacations now.

HUGH AMBELANG, baseball catcher from Foothill College, is doing a good job during the summer on the cadmium plating line. Hugh is planning to transfer to San Jose State for work toward a high school teaching credential in physical education and industrial arts. He lives with his wife Catherine in Sunnyvale—and he's the only one from 439 to beat Jeff Crane in "Ringing the Bell" at the picnic.

May I have your attention, please! Tickets are still available.

PLATER VISITS EXPO '67—

MEL TALLMON'S speedometer shows that he traveled half-way around the world during his three-week vacation. Actually, he only made two trips to the Black Hills of the Dakotas and one to New York via Expo '67, and returned the southern route through LBJ-land. Mel's comment was he enjoyed the driving but the trip wasn't too exciting. He also mentioned that the Italian Exhibit at Expo smelled like garlic.

JAY PORT, who hates driving anyway, decided to take the big silver bird instead for his trip to New York to see his parents. He also got to see Lee Smith, an ex-HP'ite. She says "Hi" to all her old friends in the Plating Shop.

BOYBE—

Another blessed event: Arriving on July 17, weighing in at 8 lbs. 4 oz., David Christopher, to MICHAEL and CAROL MATHEWS. Congratulations on your second boy, Mike!

Overheard in Plating Shop, "I don't know. Ask Jay."

- ★ JOIN THE STAR-SPANGLED FREEDOM PLAN
- ★ Sign up for U.S. Savings Bonds
- ★ New Freedom Shares



Photo by John Gamble

A BABY SHOWER for DESSIE LINDSEY was held July 29 in Building 5M. Gifts from Building 2U, Dessie's former work area, were also invited for the happy event. In photo, left to right: THEO FRENCH, PAM ALLEN, Dessie, CHUCK LOWE, and LARRY JACKSON.



PLATING DEPT. (4L) photographed in a relaxing mood during luncheon period recently. Left to right: MIKE MATHEWS, BILL MacFARLANE, ED MacDONALD, STAN BAMMANN, MARK GLAESMANN, LAURA CHRISTENSEN, JEFF CRANE, BOB REID, and HUGH AMBELANG.

MOUNTAIN VIEW DIVISION

By MARLENE MINEGAR

Stateline Statistics—

Summer weather and itchy palms have contributed to the increasing pilgrimage of HP employees to Tahoe. . . *Terri Stevenson* has to be just about the luckiest as she parlayed a \$1.00 slug that she couldn't get rid of all over Stateline into a \$150 jackpot. Racing to her room, she had her husband lock her in so she couldn't get out to fritter it away. Now as they sit on their new patio furniture bought with her loot, they face Tahoe and bow three times. . . *Sheila and Sam Curless* also came home smiling this time with their pockets jingling. . . *Vince Piazzisi* of QA left the middle of July for a two-week sojourn at Emerald Bay (that's the *other* side of Tahoe). Vince got his little trail bike repaired and we'll wager he used it to get back and forth to the bright lights. Hope he took his saddlebags with him to hold the loot.

Wedding Belles—

Sandy Hern spent the 4th of July at Yosemite while she awaits her big weekend on September 4, when she will be married. . . Speaking of weddings, we've got two more coming up: *Kay Towner*, on *Vickie Gummertsall's* line, was wed August 5 at the Trinity Mission Wayside Chapel in Los Gatos. *Vickie Gummertsall* will also be an August bride, as she plans to wed *Harry Kadani* this month. . . *Marjorie Johnson* of Printed Circuits beat everyone else to the altar over the July 15 weekend, as she journeyed to Reno to become Mrs. Sloan. We wish her and her's well.

We have a new electronics apprentice. His name is *Ed Churka* and he will serve under *Bud Mills*. Ed is married and has just completed a new home for his family.

Where'd everybody go?—

Bud Mills had just returned from his vacation when we talked to him and he was still thrilled over his trip to Texas and the Houston Astrodome, where the Astros put on quite a show for the spectators. He also put in some time out on his uncle's ranch helping herd the Black Angus cattle. . . *Bob Glaspell*, in *Bud Mills'* department also, put the miles on his car as he journeyed to Nevada, Utah, Wyoming, Colorado, Texas, New Mexico, and Arizona. Carlsbad Caverns, the Mormon Temple, and Seven Falls were all breathtakingly filmed by him and we certainly enjoyed the pictures.

Hi and G'bye!—

Jane Mack, our new engraver, has set up shop back by the silk screen department under the supervision of *Bill White*. Jane is a transfer from the Hill after a four-month leave of absence. She will take over all the engraving for this building plus *Delcon* and *Western Service Center*. . . We welcome *Ed Daw* as our new marketing manager. Ed formerly worked for HP in Palo Alto, but more recently worked for *Melabs*. . . *Ned Sams* of Analog left us on June 24 for two new jobs—one for money, the other for love. He and his fiancée said the vows early in July.

Movin' Around—

Louise Hardy has been officially transferred from *Betty Fiehmans'* line to QA under *Bob Preston*. . . *Emma Crump* and *Geri Montijo* are serving in the Engineering department now, and *Barbara Ybarra* was transferred to *Dennis McHenry's* line from *Sheila Curless'* group.

Vacations—

Bill White and his wife (who graduated from the same high school) flew back to Iowa in July for their 25th class

reunion. . . *Don Waterhouse* is back from his Mexico vacation, which he took early in July.

Watt's Happening—

Jim Robertson's friends wished him well at a housewarming party at his new home in late June. . . *Bobbie Stern*, Analog secretary, celebrated her birthday, and her friends on the line in mechanical assembly gifted her with earrings, a pin, and a lovely cake. . . *Eve Roderiques* (Printed Circuits) went to Bakersfield last month to watch her son compete in a roller skating tournament. Her boy cuts quite a figure on local rinks. . . *Wanda Reinert* was shouting her woes because her husband was caught fishing without a license over the 4th and was fined \$25. Cheer up, *Wanda*, like you said—it could have been \$500. Hope that fish was good! . . . *Elaine Clarke* and her husband got a chance to try out their new camper on a recent trip to L.A. To their dismay, the trailer parks were so filled they couldn't hook up their house on wheels to facilities, so they could not luxuriate in their new shower. Things are rough all over, *Elaine*. You should have to camp in a tent with four kids. Now *that's* luxury!

Water Lovers—

To me, summer isn't summer unless you spend 50 percent of your time at or on the water. Apparently, many here agree with this philosophy, judging by the number of boat owners and water skiers we have. *Vern Grose*, of QA, who bases his 16-foot outboard at Calero on weekends, took a vacation to Shasta with the boat early last month. . . *Dennis McHenry* went back to the drawing board with his new inboard, as there proved to be some "minor problems" such as a bent prop, twisted shaft, and too many ponies in the engine. . . *Bill White* pilots a 16-foot outboard around with his family and friends. . . *Jack Alten* lives on weekend trips aboard his 23-foot Dorset inboard-outboard. . . *Kay Towner* and her fiancée have a Higgins inboard and usually run it on Woodard Lake in the San Joaquin Valley. . . *Pat Olivo*, our PBX receptionist, sold her boat last year, but still maintains a healthy interest in water skiing.

HP Digitals in Wide Use—

If you're like me, you have probably wondered lots of times where the digital units we build are sent to and how they fit into the modern computerized world we live in. We have units and assemblies operating all over this country in big and small businesses and in conjunction with other systems. Some of the universities we list as our customers are: UC-Berkeley; Queens College, N.Y.; Duke University, N.C.; Johns Hopkins, Md.; Univ. of Pennsylvania's linear accelerator; Harvard Medical School; UC-La Jolla; Univ. of Alaska; Cal Tech Synchrotron; and Stanford on their linear accelerator.

Our products are spread all over the world as well. *Benson-Lehner* uses our units in France, *Saab* in Sweden, *Philco* in Israel, and *Nissho Pacific Company* in Japan. *Ferranti Ltd.* uses our products in Belgium and England. The *Link Corporation*, which manufactures the famous *Link* training planes, uses computerized systems to run the highly technical trainers of today. *Autodin*, which we thought was a name, is actually initials for the Defense Department's AUTOMATIC DIGITAL INFORMATION NETWORK which has just installed its ninth switching station in Hawaii. This system operates between thousands of military installations and private and government suppliers as a sort of giant "supermarket" wherein the military can request what they need, and information is fed into a central computer. The system relays back to them where they can obtain the product, and in some cases, if the purchase would be a wise choice! That's better than the old mail order business.

Take a Bow!—

Without the marketing department, we'd not have this impressive array of digital customers. Their job is to sell and service the products we make. During the month of June they brought in over a million dollars in contracts. Ron

Ward 12—2U

By BOB SOMMER

WELCOME MAT—

We have summer help of high calibre again this year, consisting of: *DIANA LANGE*, *CARLA WILLIAMSON*, *MIKE COOPER*, and *MEL JORDAN*. We can sure use your help, gang!

Our new people are *MICHAEL SPRADLEY* and *RICH LUJAN*. Rich is serving part of his apprenticeship program with us.

The latest trend around here is going to the hospital to visit the many people that have been there. *HERMINA THEYS*, *SIMONE FOURNIER*, *JUNE WESSELL*, and *LYNN TABER* took turns upsetting doctors and nurses while they were in for serious operations. *PEGGY REYNOLDS*, who said, "You won't catch me in there," ended up in El Camino Hospital with a lovely cast on her leg and a beautiful case of poison oak.

RECENT VINTAGE—

Another one of our bachelors bit the dust—*JERRY SMITH* exchanged vows on July 1 with a real swinging reception—in a winery? Jerry and his bride, *Glenna*, spent their honeymoon in Los Angeles.

HERO MIYAHARA—

One lucky two-year-old boy will remember a special day this last 4th of July weekend. He was playing by the water when he suddenly fell in. Just a short distance away was a man fishing who saw the incident and jumped in just in time to save him from drowning. The fisherman was our own *DON MIYAHARA* spending the holidays at Big Sur.

ROVERS—

Vacation time is in full swing with *BETSY WILLIAMS* touring the country for three weeks; *IDA SLAY* went to Texas and Oklahoma for a stay with her mother and relatives; and *BILL TIBBS* made good use of his truck while he and his family were camping for a week.

BILL ADAMS and his wife, *Betty*, will be doing some touring of *Mickey Mouse City*. They also plan to take advantage of the good "polka a-go-gos" in Los Angeles, then off to Las Vegas.

"Yours Truly" will be off for two weeks of camping at *Trinity Lake* and *Yosemite*.

All of us here on the line and in the F&T Division would like to thank *DAVE* and *BILL*, and you too, *LEN*, for another wonderful picnic.

Westergren, *Warren Pugh*, *Bob Blake*, and the many engineers involved should take the bows for this fine work.

The new three-quarters of a million dollars contract with *Cubic Corporation* for magnetic tape units and technical support contributed much to the successful picture for June. *Cubic Corporation* is one of the major associated contractors for *NADGECO, Ltd.* to supply a portion of the NATO Air Defense Ground Environment (*NADGE*). The tape units will eventually be installed and supported through various NATO countries.

The icing on the cake is found in a new large purchase agreement for tape units, signed with *Digital Equipment Corporation, DEC* is one of *HPMVD's* established OEM customers and is a major USA supplier of small and medium size computers.

Tape Degausser in Production—

Turning to the Analog side, we commend *Dave Nelson*, *Bill Postel*, *Doug Hanson*, and *Art Wong* for their steadily growing contribution which brightened the picture for June. Looking further, we find that the Analog department has completed pilot runs for the 3604 Voice Channel. The 3603 Tape Degausser is in its first production run and the transports and record main frames are in full production. The tape degausser is a highly refined unit that works as would a normal erasure system in your home tape recorder. You can erase your own tapes and re-record, but there still remains some magnetic bits that are indefinable. In the tape degausser, their erasure is almost absolute.

The voice channel is an optional piece of equipment built into the analog unit. The actual voice can be recorded and played back on it as on a home recorder. The difference lies in the fact that other bits (data) can be recorded on the same tape on another track simultaneously. This enables the user to record vocal sidelines of information such as you would splice in a subtitle on your movie film.

For your benefit and mine, I inquired what a pilot run was and found out that it is a run of 25 or 30 units or assemblies in full production that have completed the engineering stage and are now subjected to the problems encountered in regular assembly procedures. These are still subject to engineering changes during the time if better methods are revealed in actual production.



SUMMER VACATION TIME is here again, and shown above are the group of college students working with Building Services. Left to right, top row: *BILL NICHOLSON*, *STEVEN JACOB*; center row, *ALAIN ATHERTON*, *RANDY WARFEL*, *DALE FOSTER*; bottom row, *MICHAEL GUSMAN* and *JOHN EKELUND*.

Waveguide Whispers

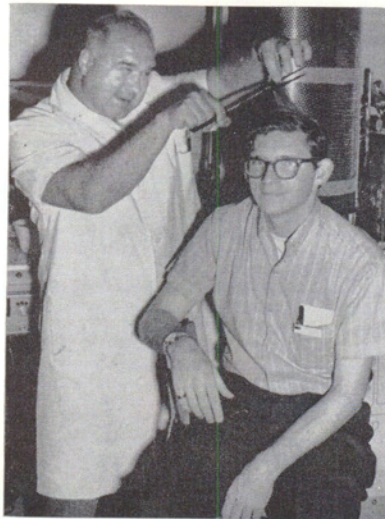
By KEN WILKINSON

Hi!—

Welcome to the new people in our section this month. *John Miller* and *Don Stephens* are both working on *Ken Lamkin's* line. *John* recently retired from the Air Force where he worked as an instrument repair technician; he became familiar with HP equipment in the service and was very impressed with it, so he decided to apply here. *Don* recently graduated from *Modesto Junior College* and moved to this area to work. . . New in assembly this month is *Bill Butler* on *Dick Perry's* line. *Bill* recently left the Army after returning from Germany with his German bride. . . Many people in our section were on the move this month. *Terrie Cunha* transferred from the diode area to the network analyzers. *Jim Hodgson* transferred from the analyzer area to a drafting job with *Hudson Grotzinger* in 5U. . . Two people are leaving this month: *Kay Collins* is quitting HP to find a job closer to her home in San Jose, while *Gael David* has taken a six-month leave of absence to return to his native France.

We all wish to extend our cheer to *Leo Whaley*, who is in *Franklin Hospital* in San Francisco. *Leo* is doing well, but expects to be absent from work for awhile.

As everyone has probably noticed, *Tom Mautner* has shaved off his mustache. *Tom* proved his point that he is capable of growing hair on his head. . . Then there's the story of *Charlotte Russell's* bird. Every evening when *Charlotte* arrives home, a bird comes out of the nearby woods and attacks its reflection in the hubcap of her Volkswagen. Obviously a case of the late bird getting the "bug."



11's DICK BARTH (left) gives *FRANK BROWN* the "fine cut" as a forerunner of things to come, prior to *Frank's* entry into the armed forces last month. *Brown* hopes to return to HP Labs at the conclusion of his hitch.

Midnight Murmurs Building Services

By ED SMITH

THANKS, GANG!

ED CONTRERAS wishes to thank all of the men in Building Services for the flowers and good wishes that were sent him while hospitalized following a recent operation. Congratulations are in order to *ESTON SINE* on his August birthday.

SUMMER HIRES—

RANDY WARFEL is no stranger to HP, especially to the men on Building Services. *Randy* has been with us for the last three summers and is well liked by everyone he has worked with. *Randy* is a junior at *Chico State* where he is working for his Master's in art history and wants to become a teacher. Any free time *Randy* has, he spends at summer school. When asked what his hobbies are, he replied, "sleeping."

DALE FOSTER is a graduate of *Paly High*. This fall he will start his freshman year at *Linfield College* in Oregon. His plans are to major in humanities. While in high school he played varsity football and was on the varsity track team. It has been my pleasure to have Dale work along with me since he started with HP, and I find him most cooperative and always willing to do a good job.

MIKE GUSMAN graduated from *Gunn High* with the class of '66. He will start his second year at *Foothill* this fall and will major in history. While in high school he was on the varsity wrestling team. His hobby at this time is taking flying lessons.

JOHN EKELUND graduated from *Awat High* this year. He plans to attend *Oregon College of Education*. Here he will study to be a teacher of physical education and sociology and also go for an A.A. in forestry. *John* played four years of football while in high school and as a hobby practices weight lifting.

BILL NICHOLSON graduated from *Gunn High* and plans on a two-year course at *Foothill* and then transfer to *San Jose State* or *San Diego State*. Here he will major in business administration or political science. In high school *Bill* played varsity football and baseball. He likes to spend his weekends at the beach.

STEVEN JACOB graduated from *Wilcox High* and then attended *Claremont Men's College*. As a freshman he attained a 3.25 GPA. *Steven* received an HP scholarship in '66. He now plans to attend *West Valley Junior College*, where he will take a pre-med course. *Steven* played baseball in high school and college.

ALAIN ATHERTON graduated from *Cubberley High*. He has had two years at *Foothill*, plans to attend one more semester there, then transfer to *Southern Cal* to major in business administration. *Alain* likes all kinds of sports as his hobbies.

WATT'S CURRENT

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