



PATIO OPENS

SEE PAGES 6-7

FAIRCHILD
SEMICONDUCTOR

news in brief

Harrison Moves to Maine

Greg Harrison, formerly Head of Preship Section, Mountain View, is the first person to be appointed to the staff of the new Fairchild Semiconductor plant in Portland, Maine. As Manager of Administration, Greg will be in charge of purchasing, production control, personnel and administration.

As announced last month, the Company will open the Portland plant next fall to manufacture established production transistors. Charlie Sporck forecasts installation of production equipment will be complete by November and expects the plant to go into pilot production by that time.

With 48,000 square feet of manufacturing area, the new plant marks a major step in the Company's continuing expansion. "Present manufacturing schedules at Mountain View have been pushed to the maximum," says

Dr. Robert N. Noyce, General Manager. Hence the new plant "will in no way affect present operations. All development work will continue to be done in California."

The Portland plant will employ approximately 250 persons by the end of 1962, most of them from the Portland area. A small nucleus of management and technical personnel will be drawn from California. Greg Harrison, a graduate of Cornell University in mechanical engineering, came to Fairchild in August,

Dr. Robert N. Noyce, General Manager. Hence the new plant "will in no way affect present operations. All development work will continue to be done in California."

The Portland plant will employ approximately 250 persons by the end of 1962, most of them from the Portland area. A small nucleus of management and technical personnel will be drawn from California.

Greg Harrison, a graduate of Cornell University in mechanical engineering, came to Fairchild in August,

1959, as a Production Management Trainee. He was named a General Foreman in May, 1960, and Section Head in November, 1960.

Defense Products Comes to Palo Alto

A new Defense Products Division organization has begun operations in Palo Alto under the direction of Michael Moscarello, Operations Manager.

Defense Products Division is the original division of Fairchild Camera and Instrument Corporation, with established facilities in Syosset, Long Island, New York; Clifton, New Jersey; and Los Angeles.

Purpose of the new Palo Alto operation is to extend the operating base of the Defense Products Division on the West Coast, according to Mr. Moscarello. The organization will stress engineering, with approximately 60 per cent of its personnel engineers.

The organization occupies 10,560 square feet in a new building at 3181 Porter Drive, Stanford Industrial Park. Mr. Moscarello, who had been working alone in the initial stages, forecasts that his organization will employ 45 persons by year end.

100 Attend Training Programs

Several training courses for Fairchild personnel are currently in progress. At San Rafael 35 persons in Quality Assurance, Production and Engineering are attending a 12-week course on basic diode technology organized by Bob Busch. The course has been divided into two classes with different instructors covering various subjects.

At Mountain View a slide-rule training course has been initiated in response to popular request. Some 30 assemblers in Micrologic Masking and Diffusion are enrolled in two classes. Tom Maher and Murray Siegel are instructors. Al Gregory is instructing a course at Mountain View in basic transistor technology. Seventeen persons are enrolled. Twenty-seven persons are enrolled in a course in management development under Charlie Campbell.

San Rafael Wins United Fund Plaudit

Employees at San Rafael have been awarded a certificate of appreciation by the United Fund.

Total gift from employees was \$2,119, which was matched by an equal contribution from the Company for a total of \$4,238.



Mountain View Plant's Volunteer Fire Brigade was feted at a dinner party Sunday, April 29, at The Echo in Los Altos. Civic and Fire Department officials of Mountain View were guests of honor. Fire Brigade members attending the party are shown above.

Fairchild Headed for Record Year

Fairchild Camera and Instrument Corporation appears headed for another record-breaking year in 1962, President John Carter told stockholders attending the annual meeting May 4 in New York.

In addition to the best first quarter in the firm's 42-year history, forecasts indicate that both sales and profits for the current year will break all previous records, Mr. Carter said.

First quarter net profits, after taxes, were \$1,352,000, an increase of 54.2 per cent over first quarter 1961 earnings of \$877,000. Net sales for the first three months of this year were also up more than three million dollars over the same period of 1961, for a total of \$23,884,000. New orders booked in the first quarter this year totaled \$25,400,000 as compared with \$23,600,000 for a like period last year, increasing the backlog to \$30,885,000.

Mr. Carter commented that despite "heavy competition and price cutting . . . by the end of 1961 Fairchild Semiconductor was the largest producer of high performance silicon transistors and diodes and the leader in the field of integrated circuits in the United States."

Magazine Features Fairchild Micrologic

Business Week magazine for April 14, in a special report on the electronics industry, gave extensive coverage to Fairchild Micrologic. The full-color cover photo featured a Micrologic wafer. Inside the magazine more than a full page was devoted to a close-up photo of a Micro-

Department officials of Mountain View were guests of honor. Fire Brigade members attending the party are shown above.

logic half-shift register. The story also included a series of photos of the Micrologic manufacturing process.

Reliability Discussed

C. H. Peterson, of Autonetics, associate contractor responsible for Minuteman missile's inertial guidance, flight control and aerospace ground equipment, addressed all production personnel at San Rafael and Mountain View in a series of meetings April 19 and 20. His subject was device reliability as it affects performance reliability of the complete missile.

Distributors Stock Micrologic Elements

As announced at the IRE show, Micrologic elements are now available for the first time from all Fairchild Semiconductor distributors. Previously original equipment manufacturers had to procure these components directly from the Company. The new distribution method has brought about a significant reduction in price, according to Bob Graham, Product Marketing Manager.

Breakfast Meetings at Mountain View

Wednesday, May 9, marked the kickoff of a new series of weekly breakfast meetings in the Mountain View Plant main conference room for production and management personnel. Purpose of the breakfasts in the words of Jack Sheets is "to promote better understanding among Fairchild people and to create a better team atmosphere."

A similar series of supper meetings for swing shift personnel will begin in the near future.



Maine Governor John H. Reed, second from right, extends an official welcome to Fairchild in Portland as he shakes hands with Greg Harrison, Manager of Administration at the new plant. Others in photo above are Gerald Lord, City Councillor, left, and Bernal Allen, City Manager. (Photo courtesy Portland Evening Express.)



Gladys Zaccagna, Marsha Stackhouse, Erlene Chupco and Hilda Kaliczak attend Diode training class. See story above.



Tom Maher instructs a class in use of a slide rule. Students are, clockwise from left, Margaret Maes, Lois Eagelston, Dolores Brasch, Gran McMillan, Pat Alfred, Virginia Tygret and Margaret Elliott. Other members of the class not present are Judy Dunkelberger and Pat Griever. See story above.



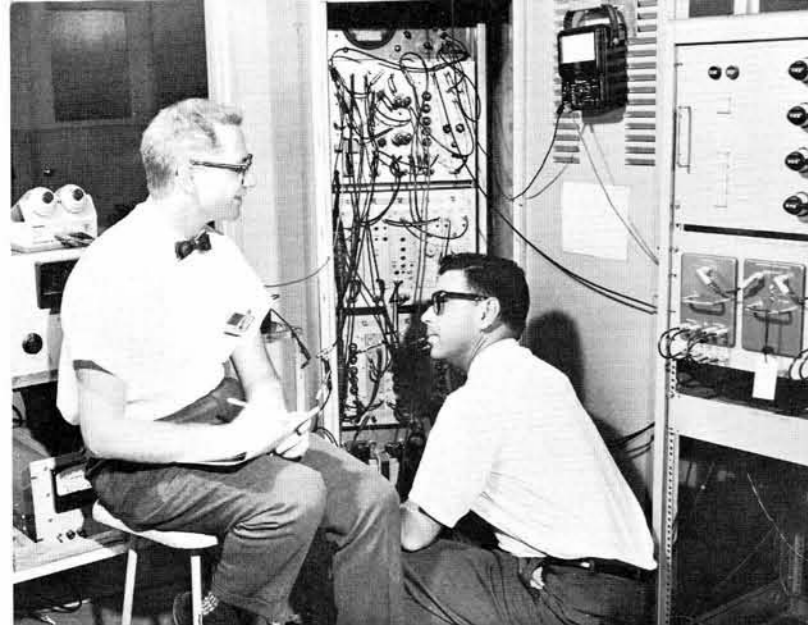
San Rafael Management Club members listen to an address by Prof. William Ziegler, standing, of City College of San Francisco, on "Motivation and Human Relations." From left are Harold Chankin, Applications; Joe Dietz, Electronics Section Head, and Lou Lyons.



"Kinetics of the Anodic Oxidation of Silicon" by Dr. Bernard Rabinovitch and Dan Borrer was the subject of a paper read by Dr. Worden Waring, left, at an Electrochemical Society meeting in Los Angeles this month. Phil Flint, center, presented his paper on "Rates of Oxidation of Silicon." Steve Sandor, right, authored a paper on "Pyrolytic Growth of Silicon Oxide."



LEADWIRE reporters meet to plot next issue. From left, seated, are Kay Hart, Dottie Philpott, Anita Calkins and Shirley Crowder. Standing are Joe Ruiz, Nellie Jones, Bob Castellon, Caroline Glasser and Lois Walker, Editor. Dottie Philpott was named to the staff this month.



Engineer Arnold Klayman and Manager of Technical Operations Harold Rose conduct a test checkout on a capacitor tester at the new Fairchild Semiconductor Instrumentation Plant in Los Angeles.



Di-Tran manufacturing employees Wally Gunn, left, Sarah Coriz and Marie Vivier discuss the Z-Tran Direct Reading Impedance Measurement System shown in the photo with Engineer Bob Hanson.

Introducing Fairchild—Los Angeles

Fairchild Semiconductor last month welcomed another new plant and another new group of employees. Di-Tran Corporation became Fairchild Semiconductor Instrumentation, Los Angeles.

The newly acquired plant is best known for its Module Automatic Semiconductor Tester, sometimes called MAST system, and its Capacitran testing system. With the addition of these testers to its other test instruments, Fairchild offers the most complete line of semiconductor testing equipment on the market.

The Los Angeles operation is under the direction of Joel Fox, Manufacturing Manager, formerly President and General Manager of Di-Tran. Harold Rose, former Vice President and Chief Engineer for Di-Tran, is Manager of Technical Operations. Bud Ulf, Di-Tran Customer Services Manager, continues in that capacity.

The accompanying pictures provide a brief photo tour of the plant and its people.

Below left—Arnold Rocklin works in the fully equipped machine shop. Below right—Meet Shirley Rundigen, Secretary, girl Friday and LEADWIRE reporter.



Above—Carl Delhaus, Pauline Earhart and Virginia Lockyer work at Capacitran test system turntable. Wally Gunn looks on. Below—The drafting room of the new Los Angeles Instrumentation Plant is headquarters for Engineers Hatsuo Toke and Bob Hanson.



MOVING UP



JERRY LEVINE CHARLES SMITH BILL BAILEY



PHIL PERRY TOM SHILLINGBURG BILL HILL

Gerald B. Levine, formerly Manager of Administration and Planning, has been appointed Manager of International Operations.

In his new capacity Jerry will coordinate Fairchild Semiconductor's manufacturing and marketing activities outside the United States and Canada. He will be responsible as well for our relationships with Societa Generale Semiconduttori (SGS), the Italian firm owned in part by Fairchild. Jerry will also continue with certain administrative responsibilities for the General Manager.

Jerry Levine, a graduate of MIT in business and engineering administration, has done graduate work at Columbia University. He came to Fairchild as Manager of Administration and Planning in January, 1960, from Stanford Research Institute where he had been an economist. He is a member of the World Trade Association, World Affairs Council and American Management Association.

Charles Smith has been promoted to General Foreman, Small Geometry Section. An aeronautics graduate of San Jose State in 1959, Charlie came to work for Fairchild directly after graduating from college. He has progressed from Production Management Trainee through Foreman of Small Geometry Masking and Diffusion and Small Geometry Product Engineer to his new position.

Bill Bailey has been named General Foreman, NPN Planar, Wafer and Die Fabrication. A graduate of Cal Tech, Bill spent two years in Army service and ten years with Dow Chemical Company in research and production before coming to Fairchild in 1959 as a Process Development Engineer. His most recent position was Product Engineer, NPN Planar.

Phil Perry, formerly Micrologic Product Engineer, has been named General Foreman, NPN Planar, Assembly through Classification. Phil came to Fairchild in 1959 after four years' service as an engineer officer aboard a U.S. Navy destroyer. His first Fairchild position was that of Production Management Trainee. In August, 1960, he was named Foreman of Micrologic and Small Geometry and became Micrologic Product Engineer last November. He holds both a BA in math and science and a BSME from Rice Institute, Houston, Texas, and is currently studying for an MBA at University of Santa Clara.

Tom Shillingburg, formerly Foreman of Electronic Maintenance and Calibration, has assumed the duties of an Industrial Engineer. Tom, who graduated from National Technical Trade School in Los Angeles, came to Fairchild as a Foreman in March, 1960. Previously he was employed as a salesman by Standard Oil of California.

Bill Hill has been promoted from Senior Electronic Technician to Foreman of Electronic Maintenance and Calibration, filling the job previously held by Tom Shillingburg. Bill has been with Fairchild since November, 1959. His previous experience includes four years with the U.S. Air Force and two years with Douglas Aircraft.

NOTABLE NEWCOMERS

Jack Smith, new Poughkeepsie, N.Y., District Sales Manager handling IBM accounts exclusively, is a West Point graduate and a veteran of four years' Army service in Korea. He was previously associated with Texas Instrument as a Sales Engineer.

Phil Nicolosi, new Sales Engineer in the Washington-



HARLEY PERKINS PHIL NICOLOSI JACK SMITH

Baltimore area, is a native of New Jersey and an EE graduate of Newark College of Engineering. Phil was previously employed as a development engineer with the Aero Division of Minneapolis Honeywell.

Harley A. Perkins, Jr., new member of the Research and Development technical staff, comes from Philco Computer Division where he was engineering section manager for development of magnetic core memory equipment. His new position here is that of Manager of High Speed Memory Engineering. He will work on development of memory techniques.

Harley holds both BS and MSEE degrees from University of Pittsburgh. In addition to four U.S. patents already issued, he has eight other patents pending on magnetic digital circuits. He is active on several committees of IRE, AIEE and ASTM, in all of which he holds membership.

PATIO OPENS



Bob Quiel, left, Nancy Walker and Larry Pendergrass proudly display trophies they won at the awards party of the San Rafael bowling league April 27 at Nave Lanes. Quiel bowled the season's high single game, 246. Nancy won two trophies—one for women's high three-game series (499), the other as a member of the first-place team. Pendergrass took home men's high series honors with 619 for three games. Other members of the first-place team were Carl Dalton, Captain, and Claude Childress.

Bowlers Cap Season



Below left—League officers Sally Mills, Secretary, Larry Pendergrass, Vice President, and Roger Murray, President, examine the array of trophies won by San Rafael bowlers. Below right—Stu Wisum tickles the ivories as Margaret Foster and Cyndi Smith listen.

The party was great! The trophies were beautiful! And the food was good! . . . unless appearances of the chow line at left are deceiving. So ended the 1961-62 winter bowling season at San Rafael. Other trophy winners not pictured include Donna Briggs, women's high single game; and John Nash, Captain, Sally Mills and Art Pearson, members of the second-place team.



Mountain View plant's long-awaited patio came out of wraps Wednesday, April 18, and employees were quick to get acquainted. General Manager Robert N. Noyce, assisted by Nev Engle, President of the Recreation Council, cut a red ribbon to officially open the new recreation area. (See cover.) Then employees by the hundreds swarmed out to take advantage of the fabled Peninsula sunshine

and balmy breezes, table tennis and other patio facilities. High spot of the opening was a handsomely decorated and amply supplied refreshment table provided by Lou Lujan, of Marconi Food Service, and the Cafeteria staff. The Recreation Council, which financed construction of the patio in part, sponsored the event. Additional opening day patio scenes are shown below.



"Just pucker up your lips and blow," admonished Grace Drake. Mary Haglund did and out went all twenty (?) candles in one puff. The occasion was a birthday party in the cafeteria given by Mary's working associates in NPN Planar.

Candid Camera



Above—Nellie Jones, Small Geometry, displays a finished device to David Callow, director of Electro Dynamics Proprietary, Ltd., Fairchild distributor-rep in Victoria, Australia, who toured the Mountain View plant recently. Mr. Callow was here on his first visit to the U.S. en route to New York and Europe. He planned to return to Australia via the Far East to make it a round-the-world trip.

Below—Chowhounds from Research and Development had a field day at a recent picnic at Mitchell Park. The menu included steak and rainbow trout . . . oh yes, and beer.



Mask Making—Heart of Fairchild

A new mask manufacturing laboratory quietly went into operation recently at the Mountain View plant. Few persons are even aware of its existence, much less of the significance of its functions.

Here, in a maze of precise drafting and photographic processes, are born the masking patterns used in etching and diffusing Fairchild Semiconductor devices.

Starting with enormous cut-outs of the patterns to be used, the mask makers reduce the patterns as much as 1,000 times before completing their job. Much of their

work must be accurate to within 1/10,000th of an inch. Not only must each mask be perfect unto itself in its minute size, but many different masks must fit together, one over another, much as printing plates for different colors of ink must register properly if the printed image is to be clear.

On this fine process depends the initial success and reliability of Fairchild devices. Dick Robinson, Supervisor of the Lab, fondly refers to his operation as "the heart of Fairchild." The phrase is aptly used.



Vince Fulginiti, Lab Technician, bending, and Bill Duff, Photographic Specialist, check measurements of a newly drawn pattern on the Mask Manufacturing Lab's new coordinatograph. A razor-sharp blade on the precision-built instrument cuts patterns in black paper stretched over glass in the first step of the mask-making process. Since his work must be accurate to a hairline, Vince checks the patterns with a precision magnifier.



In one of the lab's photographic darkrooms Supervisor Dick Robinson and Assembler Margaret Burroughs check the same mask after it has been reduced photographically to its final dimensions. Any impurity, even a particle of dust too small for the eye to see, can ruin the tiny masks. Hence lab personnel and visitors must change into "clean" clothes and undergo a vacuum cleaning before entering this section of the lab.

Fairchild Announces Field Effect Transistor

Fairchild Semiconductor has announced the development of a new field effect transistor. The new device made its debut at the IRE show in March and is now in pilot production.

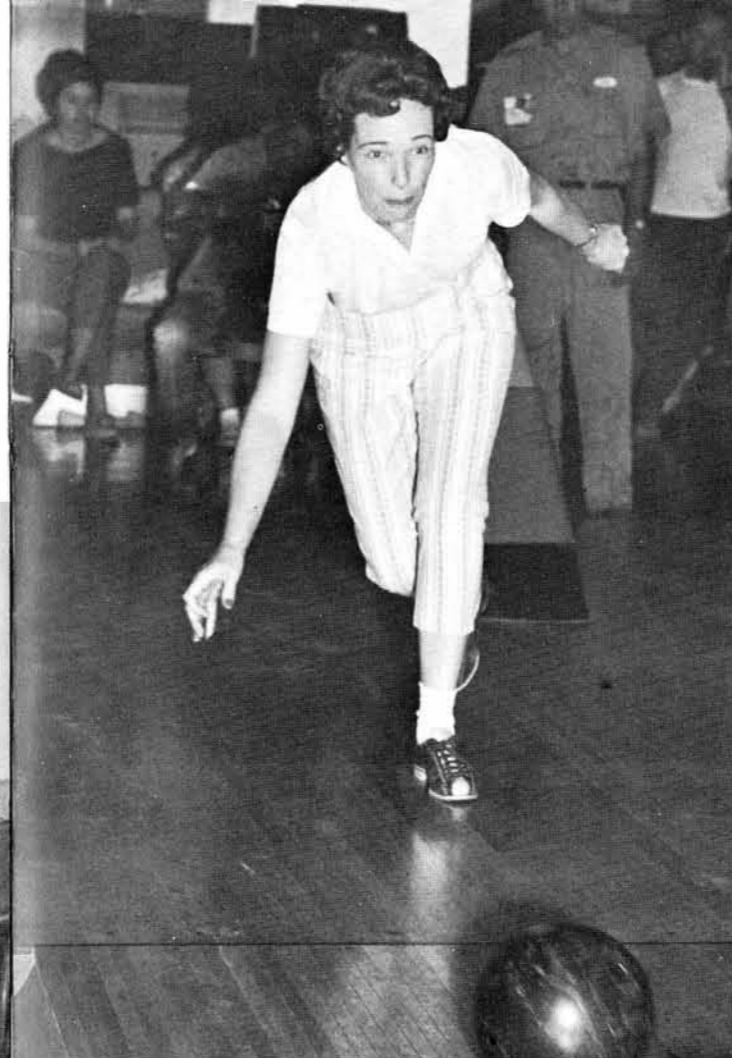
The new transistor, labelled 2N2458 in a glass case and 2N2457 in a T0-5 case, will substitute for receiving tubes in small signal applications. A high-impedance device, it works in applications where no previous transistor has been able to replace a receiving tube.

The device also boasts a low noise level, approaching that of receiving tubes, permitting better amplification of very small signals. It can be used to advantage in circuits requiring automatic gain control, such as radio and TV

receiving sets and other consumer products.

A field effect transistor controls the flow of electric current in an electronic circuit in roughly the same way a valve controls the flow of water in a pipe. Opening or closing the valve increases or decreases the flow of water.

In a field effect transistor similar control is achieved by varying the reverse voltage applied to the P areas. Minimum reverse voltage results in a minimum charged field and roughly corresponds to the open valve allowing electric current to flow freely. An increase in reverse voltage results in a wider charged field and a smaller current path. Other varieties of field effect devices are currently in development.



Marian Harrison, Assembler, hurls the first ball of the summer bowling season for Mountain View. Sixty-six persons are signed up for the league which bowls every Tuesday evening at 6:15.

SPORT SHORTS

Golfers Win Match

Fairchild's entry in the Industrial Golf League defeated EIMAC in their last match. Low net scores were: Bill Geene, 37; Clarence Dutra, 37; Dave Anderson, 39; and Al Weddle, 40.

New players on the Fairchild team are Don Shank, Accounting, and Jim Barber, Instrumentation.

Golf Tournament at San Rafael

Diode's first golf tournament of the year was held Sunday, May 6, at Indian Valley Golf Club, Novato.

Twenty-four courageous weekend hackers fought their way through underbrush and rattlesnakes to complete the 18-hole contest just before sundown. Golf balls were awarded to those who came closest to the pin on par three holes, those who had the fewest putts and those who drove the farthest.

Using the Callaway handicap system, trophies were awarded to the first and second place swingers, Dennis Jensen and Bill Grant, respectively.

Ten Teams Enter Fairchild Softball League

Ten departments have fielded teams for the Fairchild Men's Softball League. First games of the season were played Wednesday and Thursday, May 9 and 10, at the Kenneth Slater School field near the Mountain View plant on Whisman Road.

7-1 Win for Fairchild in Season Opener

Lyn Clarke pitched the Fairchild entry in the Mountain View Industrial Softball League to a 7-1 victory in its first game of the season May 3 against Hiller Aircraft. Clarke gave the opposition only three hits, struck out 12 of the 21 batters who faced him.

Tony Macaluso hit the only home run of the game. The Fairchild nine had four hits, no errors.

The Water's Fine—Come On In

A hardy band of Fairchildren celebrated the advent of warm (?) weather May 2 with the first swim of the season.

This is the second season for weekly dips at Mountain View Recreation Center pool, corner of Rengstorff and Villa Avenues.

The pool is reserved for Fairchild swimmers each Wednesday from 12 noon to 1 PM. Swimming is open to all Fairchild employees free of charge, another activity sponsored by the Recreation Council.

No Accounts Win

A clash between first half champs, the No Accounts, and second half champs, the Kwestionmarks, in a bowl-off for the season championship, climaxed the winter bowling season at Transistor Plant.

The Kwestionmarks started the action by taking the first game. Coming from behind, the No Accounts managed to grab the second game, then continued to win the third game and the match.

For their winning efforts, each member of the No Accounts was awarded a trophy. The champs include Lloyd and Ellie Kohn, Lorraine Scharff, Dale Cook, Lowell Erickson, Joan Archibald and George Lao.

Other awards for the season were made for men's high series, Keith Myrholt, 623; women's high series, Marge Bean, 553; men's high game, George Reh, 246; and women's high game, Wilma Knudson, 234.

Anyone for Golf

Signups are now being accepted for the Fairchild Golf League summer play. The League plays Wednesday evenings at Deep Cliff Golf Course, Cupertino. Starting time is 5:20 PM. Prizes are awarded each week.

If you are interested in playing, notify Gary Tripp, Research and Development.

San Rafael's men's softball team plans strategy with team manager Bob Runge, far right. From left, kneeling, are Bob Quiel, Jerry Wachowiak, Norm Wardman and Dave Culey. Standing, same order, are Bob Brown, Bob Busch and Wayne Snodgrass.





SAN RAFAEL WELCOMES VISITOR FROM ITALY

Giorgio Sacchi, visiting Italian physicist, has good reason for the big smile he's wearing in the picture at right. Arriving in the U.S. for his first visit April 24, Giorgio had a whirlwind tour of Fairchild's Peninsula facilities, then moved on to San Rafael April 27 where he will spend six months observing diode manufacture.

Giorgio is a member of the research staff of Societa Generale Semiconduttore, Italian firm owned in part by Fairchild Semiconductor. Shown with him in the picture is Chuck Herbert, who speaks fluent Italian and acted as host to Giorgio during his brief visit to the Peninsula.

Giorgio has more than one reason to be happy. On the morning of May 8 he received a cable from his home in Monza, Italy, announcing the birth of a baby girl to his wife Maria Grazia. They are already parents of 14-month-old daughter Manuela. Maria, who could not accompany her husband to this country because of the impending birth, hopes to join him in San Rafael with the children as soon as she is able to travel.

He is impressed by American automobile traffic. "*Molto intensivo!*" he calls it. At home he has a 600 Fiat; here he drives a '62 Chevy, a frightening switch on anybody's highways. However, he points out, "American drivers are so courteous. When an Italian gets behind the wheel of a car, the whole world becomes his enemy."

A graduate of University of Milan, where he was granted a degree of Dottore in Fisica in 1957, Giorgio did research at the University on the crystal structure of complex salts, later studied solid state physics and nuclear instrumentation at the Polytechnic Institute of Milan.

He joined SGS in May, 1959, and has been doing research on diodes. When SGS became interested in producing silicon diodes, Giorgio was the natural person to be selected to study diode production at Fairchild.

An adventurer at heart, Giorgio is an intrepid mountain climber. He has conquered such formidable Alpine peaks as Monte Bianco, Monte Rosa, the Matterhorn and Piz Bernina. "But," he shrugs, "climbing is not a sport for a family man. Maria worries when I climb." Nevertheless, he is looking wistfully toward the High Sierra and already has made an excursion to Grand Canyon.



Above left—Pat Mallett was guest of honor at a shower given by friends in Planar Masking last month prior to her departure on a leave of absence to await the stork. Seated beside her is her mother, Rita Cleveland, Mark and Pack. Standing, from left, are Emily Lopes, Jean Osborn, Dee Ross, Beryl Ramirez and Jean Starmer. Above center—Jim Johnson was feted at a farewell party by friends in Quality Assurance on the occasion of his move to field sales. Shown

above are, clockwise from left, Lois Tisteth, Florence Boutcher, Edith Sargent, Marion Cornwell, Betty Hawkins and Marguerite Chapell. Jim is now working out of the Jenkintown, Penna., sales office. Above right—Barbara Moore, left, and Dana Roehl are Fairchild's new "white angels." Both RNs, Barbara has been assigned to the swing shift at Mountain View, while Dana will serve in the dispensary at the new Research and Development Laboratory in Palo Alto.

off the LEADWIRE

Twists and Curls

Only **Bill Hertzog**, Diode Sales, could do it . . . the twist, that is, on the stage of the Fairmont Hotel with Pearl Bailey. Not satisfied with his first performance he returned a week later for a repeat.

Don Emerson, Applications, plans to set his new goatee in spoolies when it gets long enough. Has anyone told him about wave set, which holds curls a full week?

Sticky Competition

Mike Julian is current cinnamon-roll-eating champ at R & D. **Bob Welin** initiated the contest by consuming six buns in 30 minutes. Mike's record is five in 20 minutes. Latest contender is **Rich Vilas**, who claims he can down six rolls in half an hour.

Loaded Cigar

Jim Goulden, Purchasing, pulled a fast one on boss **Lee Swasey**. Jim picked Lee's pocket of a cigar one day at lunch, then offered his boss the pilfered stogie. Lee accepted gingerly, suspecting a Goulden practical joke. Still feeling something ominous in Jim's generous gesture, Lee finally broke the cigar in half and purchased another to smoke.

Congratulations

Congratulations to **Dr. Worden Waring**, R & D, new chairman of the Santa Clara Valley Section of the Amer-

ican Chemical Society; and to **Dave Culley**, Diode Plant, who has been named outstanding graduate of 1961 by Rutgers University Statistics Graduate School.

Sick List

Jo Peralta, Micrologic, received a get well card from co-workers while she was hospitalized for surgery recently. **Judy Dunkelberger** had inscribed the card as follows: "We feel *half-shiftless* since you gave us the *gate*. We may just go *half-adder* our minds and *flip-flop* our tops *buffer* you return. You really *counter* to us."

Welcome back **Stella Cook**, Special Products Assembler, who was absent from work for a month due to surgery. Mountain View Receptionist **Ida Price** was hospitalized with head injuries following an automobile collision May 10.

And It Isn't Even June

22+22=1? Employee 22 **Mary Anne Hrynczak**, Instrumentation, and Employee 222 **Rich Vilas**, R & D, tied the knot in a ceremony April 15 in Woodside. Happy adding, you two.

Diode's **Donna Tynes** is now Mrs. Ross Kelly. They were married March 3 in Reno. **Jean Margetts**, Mountain View Sales, became the bride of **Gary Sipple**, Manufacturing, March 31. They honeymooned in Carmel. **Jim Newton**, Manufacturing, was married recently to Barbara Goodrich.

Adele Scott, Manufacturing, is now Mrs. Richard Morris. **Harlan Bortner**, Manufacturing, has made Ellen Marion his bride. **Norma Jean White**, Manufacturing, was married recently to Isace Lias. April 16 was wedding day for **Linda Spillers** and Elbert Sullivan. **Ida Ellen Burkhardt** and **Joseph Galvan** exchanged "I do's" April 12. **Sandra Barnes** has become Mrs. Joseph Engle. **Martha Whitford** married **Harry Sill**.

At San Rafael weddings are the rage too. **Joyce Erickson** became Mrs. Edward Hammel April 7. **Bob Brown** and Renee Patten tied the knot. April 1 was wedding day

Stork Club

DELIVERED TO	DEPARTMENT	ITEM	DATE
John Diepeveen	San Rafael	daughter, Daphne	April 14
Gary Nelson	San Rafael	son, Mark Gregory	April 18
John Ready	San Rafael Sales	daughter, Janine	April 19
Fred Bialek	San Rafael	daughter, Sydney	March 22
Sam Stevens	San Rafael	daughter, April	April 2
Emma Silva	Mtn. View Mfg.	daughter, Jamie	February 11
Jim Monigold	Mtn. View Mfg.	daughter	May 9
Paul Hazelman	Mountain View	daughter	May 8
Randy Shearer	Advertising	son, William	April 11
George Bloom	Tool Design	son, Douglas	May 2
George Dowdy	Sales	daughter, Linda	April 13
Catharine Johnson	Boston Sales	son, Glen Edward	April 17

for **Bob Quiel** and Claire Ann Curran. **Shirley Hancock** became the bride of **Morris James** March 29. **Mikio Suzuki** and Emiko Kimura were married April 8.

Gwenn Swann and Sam Brooks said "I do" April 6. April 28 was wedding day for **Emma Stuart** and Bennie Loyd Chambers. Another April 28 wedding was that of **Marietta Velvet** and Neil Bowman.

Marion Smith and **Ned Golt**, both of R & D, plan to be married May 19. Besides being employees at the same plant, Marion and Ned have been teaching folk dancing together for the Department of Adult Education for the past five years. They perform in folk dance exhibitions throughout northern California.

If I'd Known You Were Coming . . .

Ruby Jacquez, Masking, baked a cake, decorated it to read "Happy Birthday Anyone" and brought it to work one day. Much to everyone's surprise, it happened to be **Peggy Van Vleck's** birthday. A good time was had by all, and the cake was delicious.

Incidentally, a good bet if you're hungry is the swing shift masking section. Twice in recent weeks the girls have brought homemade dishes to work with them and held sumptuous potluck dinners during their supper hour.

Free Lunch

June Chabim, Micrologic, was the winner of a free lunch in the Cafeteria for choosing a lucky Easter egg. Unfortunately, she had picked that day to eat light. She had nothing but cottage cheese on her tray.

Here and There

Lois Egelston's new home in Sunnyvale was featured on TV recently. "Builder's Showcase," shown on Channel 7, toured the house.

Margaret Herd and **Phyllis Hughes**, both of R & D, have blossomed out in new spring outfits—maternity type. **Beverly Verble**, Diode Plant, was feted at a stork shower before she left work to await the arrival of her second child, due this month.

Herb Stollorz, R & D, bought a lot and was quite ex-

cited about building his own home until he discovered his property is covered with poison ivy.

The International Set

Instrumentation might well be called the "international set." Its members come all the way from Indonesia, Formosa, China, Japan, Lithuania, Turkey, Greece, Germany, Italy, Austria, Holland, Switzerland, England, Canada, Nicaragua and, of course, Texas.

Hendrik Rijnhout and **Leonard VanDer Gaag**, both born in Djakarta, Indonesia, met for the first time in Fairchild's Instrumentation Department. Hendrik, who lost his family during World War II, studied civil engineering in Djakarta, came to the U.S. a year ago. He now lives in Cupertino with his wife and daughter, plans to continue his education next fall at San Jose State.

Leonard has been in the U.S. 18 months. Before that he was a diesel service engineer in Tandpong Priok (harbor of Djakarta) for General Motors. His hobby is electronics, hence he gave up a promising career in diesel engineering to become an electronic technician. Leonard is married and the father of two sons, aged 15 and 13.

LEADWIRE

Published By and For Employees of
FAIRCHILD SEMICONDUCTOR
MOUNTAIN VIEW—PALO ALTO—SAN RAFAEL—LOS ANGELES
a Division of Fairchild Camera & Instrument Corporation

Vol. 4, No. 5 May, 1962
EDITOR LOIS A. WALKER

REPORTERS

TRANSISTOR PLANT—
Mary Grigsby, George Lao,
Bob Bauer, Anita Calkins,
Marion Cornwell, Shirley
Crowder, Lois Egelston, Ruth
Henderson, Nellie Jones, Dorie
Munoz, Kimi Nakagawa, Rosa-
lie Pate, Dottie Philpott.

INSTRUMENTATION—Bob Cas-
tallon, Shirley Rundigen.
R&D—Caroline Glasser.
DIODE PLANT—Paul Kent,
Donna Briggs, Patty Murphy,
Vicky Van Zandt, Gerry Wills.
MATERIALS—Joe Ruiz.