

THE GATORATOR

FAIRCHILD
A Schlumberger Company

1st Quarter '85

Published By and For the Outstanding Employees of Fairchild's Gate Array Division

A View From The Top



Sometimes during periods of rapid growth progress doesn't appear to be made. Another year, however, has flashed by and I would like to summarize my appraisal of the Gate Array team's 1984 achievements.

MARKETING

- Major account penetrations include AT&T, DEC, Sperry, GTE, TRW, Schlumberger (Wireline).
- Booked over 100 new designs.
- Opened four new design centers.

ENGINEERING

- Completed design of the FGE500, 2000, 2020, 2500, FGC500, 2400, 6000, plus significant macro library expansion for both technologies.
- Completed more than 30 standard cell designs and sent first design to fab.
- Reduced post-processing from more than 10 days to 1 day plus installed NCC, modeling automation, Cray link and Zycad.
- Released 12 package designs.

OPERATIONS

- Stabilized and increased fab yield by 250% of fine line - Fast Z.
- Initiated 5x lithography upgrade.
- Achieved back-end output of 5000 units per month.
- Installed 80% of 883C compliance.

PRODUCT ENGINEERING

- Processed designs are examples of our sophisticated diagnostic capability.

- Developed product design success guidelines.

PERSONNEL

- Helped reduce turnover by half for the year.
- Executed a smashing college recruiting and staffing program.
- Improved food service and employee service program.
- Managed a very effective division-wide communications program.

FINANCE

- Installed financial control system including cost analysis/product costing.
- Created forecasting process.

The complete list would exceed my space allocation, so suffice it is to say we have been productive, and I sincerely believe we can celebrate the New Year with a real sense of progress.

This year presents us with new challenges. Our most important objective is to demonstrate to top management that Gate Array can become a profitable business. Top management has more than demonstrated its trust and confidence in this team with their patience and willingness to support our sizeable R&D budget and capital investment program. Now it's up to each of us to commit to a program for 1985 that will:

- Restrict spending to essential needs.
- Minimize errors.
- Raise our combined level of commitment in terms of maintaining a positive attitude and contributing maximum energy.
- Constantly improve the quality of both our products and customer service.
- Work together as a team.



High Above Silicon Gulch

The wind was blowing straight in from the south. Pulling on my helmet, I walk around to preflight my glider one more time. Top launch at Ed Levin is an easy one, but every takeoff has to be your best. The mountain doesn't forgive!

Hooked in, I wait for the wind to pick up, and run. My feet are still churning as the wind fills the sail for flight. The ground falls away as the glider lifts me into the air. The concentration and tension of launch is quickly replaced by exhilaration and a feeling of total freedom. With these few steps I have left my earthly bonds behind to enter the realm of flight. A world reserved for only the freest of God's creatures.

The feeling is almost surreal as I float silently over roads and fields enjoying the smoothness of the morning air. Today's flight will be a short one, but days when the wind howls and the ridges become soarable, the sky is yours for hours on end. The landing area is reached far too quickly. A hard flare, a few tiny steps, and it's Miller time.

Dave Veals



Forrest James

A Day On The Crags

Lane, contorted into the steep, crumbling chimney below, is learning to climb the way all climbers do—by doing. On this, his first truly 'technical' climb, he strives to maintain an even balance of composure and technique. The red daypack he wears is cumbersome, and above his head the wide crack becomes narrow and increasingly frail.

We're on "Desperado Chute-Out", a route that ascends Pinnacle National Monument's Machete Ridge. We're finding that the route lives up to his name, as I'm sure Lane would agree. In the one o'clock sweater a golden eagle is lifted on a thermal overhead. I'm anchored to a rusty bolt placed by the first ascent party. Once Lane negotiates the difficulties below, we'll follow easier ground up the ridge. On top we'll take in a vista of mesquite, chaparral, and hills studded with red volcanic crags.

Why abandon the comfort of 'flatland' for the vagaries of the vertical? It's the rugged, spectacular scenery that keeps me climbing back for more.

Mike Kellogg



Exploration Into Inner Space

Imagine being suspended in a medium that is 900 times denser than air where sight, sound, motion, and the sensation of weight is altered. Objects are magnified, motion is slowed, and sound seems to come from every direction. This is but a small idea of what being in 'innerspace' is like.

Scuba diving is a relatively new sport that has gained increasing popularity. It is a personally challenging, gratifying and sensational experience. After learning basic skills many people expand their hobby with underwater photography, wreck diving, artifact collecting, gold mining, night diving, or spearfishing and shell collecting.

To learn these skills there are several organizations such as P.A.D.I., N.A.U.I. or the YMCA that can certify you. Your local dive shop can generally get you started. The emphasis is on fun and excitement whether you are in the clear waters of the Caribbean or the kelp beds off California.

FREEFALL ANYONE?

Have you ever wondered what it would be like to fly without the assistance of any apparatus, but instead depend solely on your body to control your movement through the air? The sport of freefall skydiving provides this feeling of unrestrained freedom of flight. Even the ride beneath the parachute (which is, of course, required to land softly) is a thrilling experience.

While most people may think of skydiving as just 'falling', skydivers prefer to think of it as 'body flight' since the body can be maneuvered easily in freefall. Not only can one do turns and flips but control to some degree the rate of descent and also produce a horizontal component of motion. Those who participate in freefall relative work have perfected these skills to an art. Relative work is an activity in which two or more (in fact, as many as 50 or 60) skydivers jump from an airplane together in various formations during freefall.

Try it - you'll like it!

Curt Carrell





GATE ARRAY OPERATIONS

AN INTRODUCTION

It has been said that the Operations Group is responsible for transforming the dreams of designers into reality. In short, the manufacturing of the state-of-the-art, top quality gate array products is its forte.

The Gate Array Operations Group comprises eight specific departments; Process Control/CAM (Pete Smith), Reliability and Quality Assurance (Patrick Yeto), Materials (Steve Christensen), Process Engineering (Bob Judd), Process Development (Monty Cleeves), Assembly/Test (Suheil Samaan), Fab Production (Donna Bailey) and Special Products (Ernie Barrieau). They all report to Jen Kao, Operations Manager of the Gate Array Division.

The process starts when Bob Marshall, CAD Application Manager, turns over a new mask design to Sherry Bryant, Senior Production Planner, for scheduling and coordination of new photomask delivery. It will take one or two weeks to complete the mask making. Then the mask is given to the R & QA Department for inspection of quality-related defects, which will include orientation, centering, rotation and image quality. This inspection is usually completed within 24 hours after delivery of the photomask. Afterward the mask is turned over to the Process Engineering Department. It's job is to place the masks image onto a blank wafer for inspection of repeating defects, bridging, design rule violations and critical dimensions. If the mask is acceptable, it is then released to Production for prototype or master slice manufacturing.

Wafer manufacturing occurs here at our fabrication facility. The fab has plenty of capacity to produce 1.5 micron ECL and some TTL gate arrays and with the new CMOS capital improvement plan, our fab will be able to produce enough CMOS/ECL/TTL wafers to meet Gate Array Division's 1985/1986 business plan as well as 32-bit CMOS microprocessor's demand. Donna Bailey, Wafer Fab Production Manager, is responsible for wafer manufacturing with two shifts of highly trained, skillful and dedicated operators. Oak Creek fab performance has improved significantly since October of 1983. The mission to reduce fab cost, improve yield and productivity and to develop new technologies has been completed successfully. Thanks to the outstanding performance of the following people and their crews we can be proud to have one of the best wafer fabs at Fairchild. We are striving to make the fab the best in the industry. Bob Judd, Monty Cleeves, Pete Smith and Patrick Yeto all contribute significantly to Oak Creek fab's success.

After the wafers are complete the inventory is moved to wafer sort, assembly, final testing, plant clearance and shipping. For prototype options, Product Engineering is responsible for wafer sorting, testing and evaluation. For production wafers, Suheil Samaan, Assembly/Test Manager, is responsible for wafer sorting, assembly and final testing. For high pin count (up to 180 pins) ceramic packages, all assembly manufacturing occurs in our advanced assembly lab. Toshi Anderberg, assembly supervisor, and her dedicated day shift operators have done an outstanding job assembling highly complex packages.

The assembly line just reached an important milestone in Gate Array history -shipping \$1/2 million of products in November and with only six operators! Rita Hoffmann, Production Control Manager, ensures that the right product is shipped to the right customer at the right time.

Jen Kao, as Operations Manager, puts it all together with wisdom and resourcefulness to execute the division's operations plan effectively.

Thus, the Operations group of Gate Array Division not only transforms the designers dreams into reality, but it is also fulfilling Fairchild's commitment to lead in high performance, high quality, semicustom logic. With Lanny Ross's leadership and the dedication of all the employees, the dream to be number one in advanced ECL/CMOS Gate Array will soon be an actuality.

Jen Kao

Candid Comments From Bob Judd

Bob, how did you arrive at Fairchild and what is your background?

I worked for 8 years with Shell (Oil) Development where we developed the biodegradable detergents that are used today. I spent 6 years on that project doing organic synthesis and statistical analysis for various applications. Then a friend of mine from Shell came to work at Fairchild R&D and I joined him. I liked the people and the work. That was 17 years ago, and I'm still here.

At R&D I provided resist for SPOR when they first started up. From there I went into equipment automation, built spray developers and worked on Fairchild's first projection aligner and auto aligner.

What do you feel is your biggest contribution to Fairchild?

Actually, there are two; one was developing the three-inch Bipolar line. But the most challenging and rewarding was putting the fine line (gate array) operation together in Mountain View.

Is the Japanese electronic industry really a threat?

I consider them a big threat. We're in an economic war right now. It's taken a long time, but the VHSIC program is certainly an enticement for the semiconductor industry to provide the technology to remain competitive with all comers.

What do you see down the road for the Gate Array Division?

I have the distinct impression that this Division is a winner and we will see a very large increase in our business this year - and it will continue.

Fran Kesinger

New Arrivals

Name	Title
Ramesh Bhimarao	- CAD Applications Eng.
Robert Jacobs	- Systems Analyst
Chitra Khanwalla	- Scientific Programmer
Barbara Parton	- Tech Pubs. Clerk
Ulrike Tennant	- Assistant Accountant
Germana Alicantara	- Sr. Hi-Rel Processor
Grant Davis	- Design Engineer
Sal Kadah	- Sr. Staff Process Eng.
Liam Kelly	- Scientific Programmer
Jim Perry	- Line Maint. Tech
Mike Topsakal	- Sr. Staff Eng.
Florence Wang	- Sr. Research Tech
John Bugarin	- Assy Process Eng.
Reid Gibson	- Sr. Package Eng.
Marco Kuo	- Staff Package Eng.
Patrick Lam	- Equipment Eng.
Sherry Bryant	- Production Planner
Bill Dias	- Sr. Line Maint. Tech
Ed Spence	- Sr. Product Eng.
Paul Wiscombe	- Sr. Product Eng.

Brand New Arrivals!

Proud Parent And it's a

Les Fang Yuen	- Girl
Helena Medeiros	- Girl

Newsletter Team

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Mike Kellogg

Editorial Policy:

- Articles will be printed as space allows.
- All articles are subject to editing.
- Articles will not be returned.
- Please submit all correspondence to Mike Kellogg (x2800).

Corky Says 'Know Your Ergonomics'

The Video Display Terminal (VDT) is today's "multipurpose desktop." It is quickly replacing the typewriter, calculator, telephone, filing cabinet, and copier. Tasks that used to take days can now be done in minutes. As with any new technology, the human element is the key to success.

VDT's are remarkable, time-saving tools, but they require a good deal of concentration and precision to operate. You can make the VDT work for you by learning the principles of **ergonomics**—how people interact safely and efficiently with machines and their working environment. At the Gate Array Division, 33% of our serious injuries or illnesses can be attributed to ergonomic problems. These include an assortment of strains, sprains, and back injuries. Simple changes in the way you "interface" with your VDT can help prevent problems. With an understanding of ergonomics, you can make your VDT experience professionally satisfying and productive.

Ergonomics-A Blueprint for Comfort and Productivity

When workplace design suits the needs and capabilities of employees, comfort and productivity are at their highest. Every individual and working situation is different, and not every factor in the workplace can be changed, but with planning and a little imagination, almost any VDT working environment can be made more efficient and comfortable. Ergonomic research has provided some general guidelines that you can follow to make your VDT experience less demanding on the eyes, body, and mind. Find ways to make your work area closer to ideal.

Human Factors

Good posture is essential for your comfort and well-being, especially when sitting several hours a day. To prevent neck and back strain, keep your spine and head upright, and sit well back into the chair. Placing your feet on a footrest helps take the strain off your legs and back.

Correct hand and wrist placement are important. Shoulder muscles can become tense when arms and hands are held too high. Hold arms comfortably at your sides, with your upper arm and forearm at about a right angle. Wrists should be in line with the forearm; wrist problems can develop if they are bent at extreme angles.

Good eye care can prevent visual problems. Focusing at close range for long periods of time can sometimes cause blurred vision or eye soreness—common but temporary problems experienced by VDT users. To lessen the strain on eye muscles, keep your VDT screen at least 18 to 28 inches from your eyes. Take "vision breaks" by changing focus to an object at least 20 feet away.

Design Factors

A well-designed VDT lets the user make individual adjustments. For comfortable head and neck placement, the top of the screen should be positioned at about eye level. To minimize tension in the shoulder muscles, the keyboard should be low enough so that the arms hang freely and elbows are bent at right angles. Detachable keyboards and desks having split-level design are ideal for this. Contrast can be adjusted to a comfortable level—not so bright as to cause flicker or be hard on eyes.

A properly designed chair has a seat that curves down in the front, support for the lower back, and a height that can be adjusted to permit correct placement of the head, hands, and knees.

Good lighting is not always bright lighting. Reduce glare by pulling drapes or repositioning your VDT screen. You and your supervisor may consider other options such as hoods, glare screens, or special lighting.

A Word About Radiation. The National Institute of Occupational Safety and Health has found that radiation emitted by today's VDTs is within currently accepted levels of safety.

If you require further information on VDTs please contact me.

Corky Chew

What's What?



Well, I'll tell you what, we'll do our damndest to get your company-related questions answered for you. Just fill this out and submit it to the newsletter staff's guru answer box in Fran Kesinger's office. If enough interest is shown in any one subject, The GATORATOR will respond to it at the earliest opportunity or it will be addressed at the next employee meeting.

Name _____

x



HALLOWEEN... at Gate Array



Friday, October 31st was a strange day at Gate Array. Greeting many employees as they arrived at work were Minnie Mouse, two "bag" ladies, a Blue Martian and a Male Nun! The true "spirit" of Halloween was demonstrated by the imagination and creativity of Gate Array employees.

At 3:00 p.m., all were gathered in the cafeteria to watch the costume contestants display their creations for the costume judging event. Judges from each department selected three top winners and two honorable mention winners. This was not an easy task, but the outcome was:



- 1st Place (\$75.00)**
Linda "The Hunchback" Rogers (FAB)
- 2nd Place (\$50.00)**
Dinna "Bunch of Grapes" de Dios (FINANCE)
- 3rd Place (\$25.00)**
Linda "Vampiress" Bench (FACILITIES)
- Honorable Mentions**
Erik "Dracula" Dagemark (CUSTOMER)
Patti "Couch Potato" Watts (FINANCE)



Costumes were humorous, frightening, creative "spacey" (Cyd Cooper from QC was an alien while Mike Espinoza from ECL Development dressed as Darth Vader!). Some of the costumes donned were Miss Fujitsu (Denise Gibson), Gypsy (Ulli Tennant), Princess (Mary Breuleux), G.I. Joe (Toby Aguilar), Bag Ladies (Mary Kay Gray & Diane Wright), Post Raisin (Karrin Colwell), Minnie Mouse (Pat Sundland), The "Conventional" Nun (Rick Hutchinson), Superman & Superwoman (Curt Carrell & Johanna Chao), Scarecrow (Karen Anderson), The Mime (Peri Neri), Rambo's Mom (Donna De Voto), Groucho Marx (Tom Mallon), and Cleopatra (Kay Tyner).



A big thanks to all those who got in the Halloween spirit. We're looking forward to seeing your costumes next year!

Karrin Colwell and Dinna de Dios

Introducing . . .



Devon Dartnell

Devon Dartnell transferred to Gate Array in June from Schlumberger Wireline where he and his crew logged oil wells on offshore rigs in the Gulf of Mexico. He is currently working as an Applications Engineer in Mahendra Jain's group.

Devon was born in 1960 in Tehran, Iran. His dad is a self-employed Civil Engineer and is still living in Tehran. His mom is an elementary school teacher in Ft. Lauderdale, Florida. She left Tehran in 1978 due to the turmoil that began that year and has been unable to return since. Devon attended an American High School in Tehran and said life wasn't much different there. They could go snow skiing about an hour away and all-day lift tickets cost about \$2.50 (or 200 Rials). He enjoyed the Iranian meals prepared by their live-in cook, especially the lamb kebobs. He learned to speak Farsi fluently and also speaks some Portuguese, Spanish and Cajun.

In 1978 Devon came to the U.S. to attend Georgia Tech. He participated in a work co-op which provided him the opportunity to work for Dowell Schlumberger in Venezuela and Brazil where he "stimulated and cemented" oil wells. In Phoenix he worked for Westinghouse installing power systems in copper mines. In La Grange, Georgia he worked as a technician in an electrical motor plant. He has also worked as a diesel mechanic for the Bulldog Highway Express in South Carolina and as a truck driver for Gold Coast Systems in Pompano, Florida. While attending Georgia Tech, Devon played football and enjoyed being a member of the Rodeo Club where he entered competitions in bare back bronco and bull riding.

Devon began his career with Gate Array on June 9th as an Applications Engineer. He said he's enjoying the challenge of learning a new technology and likes the "regular" hours compared to working offshore for Schlumberger. He is engaged to be married (sorry ladies) on August 2nd to Maryann Barlow, his high school sweetheart he met in Tehran. She also has a

very impressive background, but Devon asked that we not elaborate since she would outshine him. Devon has expressed just one minor concern since his move to California which is that, coming from south Louisiana where the Cajuns took advantage of every opportunity to have a crawfish and beer bash, it seems that here parties are not held nearly often enough or as spontaneously as he would like. So, next weekend you're all invited to Devon's house. Bring nachos and wine coolers and we'll show him how to party California style.

Dona Lupo



Bob Mahoney

Gate Array welcomes our new Controller, Bob Mahoney, to Fairchild and to Cali-

fornia. Bob joins us from Texas Instruments, Houston, where he began working as a Financial Planner in 1981 for the Logic Division after receiving an M.B.A. While at Texas Instruments, Bob also served as Financial Planning Manager, Manager of Cost Accounting and Reporting, and since January of 1985, Controller.

Bob has had the opportunity to live in many different areas of the United States and to travel to some very interesting places. He was born in Connecticut and grew up in New York. He attended the University of Virginia for his undergraduate work and then the University of Michigan as a graduate student.

Bob has a sincere interest in travel. He has toured Europe and even went on an African safari in Kenya, which he says was a great experience and highly recommends to all wild-animal enthusiasts. Bob's wife, Wendi, taught Bob to ski and they decided that Switzerland might be a nice place to learn how to master the slopes. Bob met Wendi on a blind date while attending graduate school. Wendi speaks several languages and has lived in many parts of the world. Bob says that although Wendi has many good friends in the Houston area, she was very supportive of their move to California. The Mahoney's have one son, Alexander Kevin, who is just five months old.

Since joining Fairchild in September, Bob says he has been enjoying his new position and being a part of Gate Array very much. He feels very optimistic about the future here.

Karrin Colwell

FIRST— There was Rollerball . . .



Seeing that the ball was out of reach, circuit designer Mohammad Modallalkar opted for plan B — stomp on the competitor's foot. Meanwhile mild-mannered applications engineer Carl Desalvo, disguised in Tae Kwon Do shirt, closed in for the kill. Lacking polished soccer skills, these are



just a few of the intimidation tactics developed by Gate Array's soccer team to bring home the gold.

Despite our 2-1 loss in this game, rumors of Gatorball spread throughout the industry. In the following game, Daisy Corporation failed to even show up.

Employees interested in playing should contact Rodolfo Betancourt for armor.

George Mora

SMOKE ALARMS

Everything You Always Wanted to Know



SMOKE ALARM LOCATION

Location is important!!! The primary function of your smoke alarm is to alert you and your family to a developing fire in your home, particularly while you are asleep and most vulnerable. The location of your smoke alarm will determine its effectiveness as a warning system.

Smoke must enter the smoke alarm detection chamber in order to activate the alarm. Fluctuations in air flow and temperatures may prevent smoke from rising in sufficient quantity or density for detection by the smoke alarm. Generally, a single smoke alarm in your home cannot provide assurance of an early warning from all potential fire sources.

It is recommended that more than one smoke alarm be installed based on your judgement of the location of potential fire sources. Careful consideration must be

given to home layout, drafts, heating and cooking systems, temperature fluctuations, and obstructions that may interfere with air and smoke flow.

SINGLE LEVEL HOMES

When using a smoke alarm in a home with bedrooms all on one floor, locate unit in center of hall ceiling at entrance to bedroom area. If two smoke alarms are used, the preferred second location is opposite end of home.

If a common hallway does not join bedrooms in a single level home, individual smoke alarms should be placed at the entrance to each sleeping area. An additional smoke alarm may be installed.

MULTI-LEVEL HOMES

Where major sleeping areas are on the second level, locate prime smoke alarm in the center of the hallway ceiling at top of

stairwell. A smoke alarm should be located on each level at the top of each stairway. If your bedrooms are on the second level, install a smoke alarm on the first level to provide protection of your primary escape route from a fire whose origin is on the first level.

LOCATIONS TO AVOID

1. Light fixtures, decorative objects, moldings.
2. Air registers, vents, heating and air conditioning ducts.
3. Kitchens, garages.
4. Mounting surfaces with a higher or lower temperature than the surrounding area.
5. Attics, bathrooms, closets, or any enclosures with dead air.

Patti Sundland

Safety Awareness

A Safety Committee comprised of representatives from various Gate Array departments was organized in June of this year to help ensure a safe working environment at our division. To assist you in identifying committee members, below you will find a photograph of participants currently active in the committee. We also urge you to take an active role in divisional safety by raising safety concerns within your department to the attention of your supervisor or committee representative. Through your involvement, our committee can help maintain the highest standard of safety in the industry. *Help make safety count!*

Bonnie Page



United Way — RESULTS —

Over 100 Gate Array employees contributed to the division's 1987 United Way campaign making it a rousing success. The total raised was \$14,150.00, a 296% increase over last year's total! Esther Trejo, Campaign Division Director for the United Way of Santa Clara County, termed Gate Array's results "excellent" and would like to thank all of those who contributed.



Many of Gate Array's contributors enjoyed Casino Night at corporate headquarters on September 26th. Dr. Paul Shy of Gate Array had the most luck at the casino and won top prize. "Reno", as Paul is known to insiders, selected a home computer as his prize.

We're sure that the recipients of the health and human care services funded by the United Way would like to say to all the contributors... **THANK YOU!**

Jim Murphy



DEAR GATOR RAY

Dear Gator Ray:

I understand that you are now available to answer questions and to respond to concerns of Gate Array employees. All a person has to do is leave their written questions with Personnel (with or without their name on them) and you will respond to as many as can possibly fit in the Gatorator. We think that's a terrific idea and look forward to reading your column.

Dear Employee:

Thanks for your interest. Alligators are known for their wisdom and insight and their ability to deal with personal relationships. Although my BSEE/CS from Georgia Tech (class of '55) does not give me the educational background to counsel folks, my life experience in Silicon Valley and my deep caring for people enables me to empathize with semiconductor people. Hope to hear from you!

For Your Information...

GATE ARRAY New Hires and Transfers

NAME	TITLE	NAME	TITLE
Farhad Banisalam	Staff Packaging Engineer	Katherine Jean	R & QA Specialist
Donna Beaumont	Sr. Process & Device Specialist	Becky Kerkes	Senior Research Technician
Judi Bennett	Computer Operator	Helen Kyriakopolulos	Wafer Manufacturing Specialist
Jane Blancarte	Wafer Manufacturing Specialist	Sanjay Lall	Associate Applications Engineer
Bob Blazer	Product Engineering Manager	Connie Lardizabal	Assistant Engineer
Ann Burman	Product Marketing Engineer	Jacques Lehoullier	Storekeeper
Michael Burststein	Sr. Staff CAD Engineer	Corazon Licudine	Production Control Scheduler
John Cameron	Staff Systems Analyst	Jean Lovejoy	Hi-Rel Specialist
Delphy Carrero	Sr. Failure Analysis Technician	Lydia Lujan	Wafer Manufacturing Specialist
Barry Chaffin	Product Engineer	Bob Mahoney	Controller
Neal Chandra	Director of Marketing	Laura Marroquin	Production Control Scheduler
Derek Chang	Computer Operator	Ted Martinez	Shipping and Receiving Clerk
Shiao-Hoo Chang	Staff Design Engineer	Dave Middleton	Equipment Engineer
Che-Yuan Chen	Senior Packaging Engineer	Al Miller	Product Engineering Supervisor
Bob Clair	Chemical Control Supervisor	Keith Mitchell	Wafer Manufacturing Specialist
Karrin Colwell	Personnel Assistant	John Morgan	Technical Maintenance Specialist
Gregg Dance	Senior Computer Operator	Peri Neri	Production Control Planner
Devon Dartnell	Applications Engineer	Steven Netto	Sr. Product Engineer
Suresh Dave	Design Engineering Supervisor	Thomas Ngo	Applications Engineer
John Derrick	Facilities Craftsworker	Carla Nydam	Wafer Manufacturing Specialist
Regina DiDonato	Sr. Process & Device Specialist	Robert Ogilvie	Associate Marketing Assistant
Jopie Dirven	Wafer Manufacturing Specialist	Lore Pagan	Sr. Research Technician
Beverly Eaton	Hi-Rel Specialist	Nisha Patel	Wafer Manufacturing Specialist
Khalil El-Hassan	Sr. Facilities Engineer	Shafiqur Rahman	Senior Applications Engineer
Bonnie Farley	Wafer Manufacturing Specialist	Wennie Rebolledo	Senior Hi-Rel Specialist
Diana Feng	Associate Product Marketing Engineer	Lorraine Resendez	Wafer Manufacturing Specialist
Nan Fleming	Wafer Manufacturing Specialist	Shizue Robertson	Senior Research Technician
Freeman Fong	Senior Cost Accountant	Alberto Rosalejos	Sr. Line Maintenance Technician
Sheryl Fuentes	Production Supervisor	Gary Roux	Senior Test Engineer
Marion Gentry	Senior Production Scheduler	Haeryon Ryoo	Senior Hi-Rel Processor
Mary Kay Gray	Production Control Manager	Herminio Sanchez	Lab Technician
Thelma Goodwill	Wafer Manufacturing Specialist	Matt Saviello	Assistant Business Planning Manager
Josephine Gonzalez	Wafer Manufacturing Specialist	Al Slater	Production Supervisor
Boris Gruzman	Senior CAD Engineer	June Siwabessy	Production Supervisor
Mary Gutierrez	Sr. Process & Device Specialist	Chung-Ming Sun	Product Engineer
Diep Ha	Cost Accounting Manager	Brenda Sundy	Fab Specialist
Ras Hafiz	Production Supervisor	JoAnn Sweeney	Senior Hi-Rel Specialist
Gunther Haller	Business Planning Manager	Norma Syfu	Wafer Manufacturing Specialist
Janice Hanon	Production Supervisor	Thu Ve	Hi-Rel Specialist
Dennis Hart	Purchasing Specialist	Chon Vo	Senior Line Maintenance Technician
Joyce Hart	Senior Training Instructor	Ardith Weber	Customer Support Representative
Richard Herrera	Fab Specialist	Mark Weiss	Assistant Lab Technician
Shirley Herrera	Hi-Rel Specialist	Lewis Wheeler	Assistant Engineer
Dan Hobbs	Staff Systems Analyst	Edwin Wong	Staff Product Engineer
Richard Hotchkiss	Wafer Manufacturing Specialist		



F.Y.I. FLAG FOOTBALL

Anyone interested in playing in a spring flag football league contact Devon Dartnell (X2542) or Sam Washington (977-8948). We also play a friendly game (HA HA) every Monday after work.

Recent Fairchild Anniversaries

25 YEARS	5 YEARS
Ray Bortner	Judy McGihon
Kitty Tidwell	Jim Murphy
20 YEARS	Fred Nunez
Bob Judd	George Radojevich
Mary Nicolls	Quincy Say
Barry Summerfield	3 YEARS
Lewis Wheeler	Biswa Banerjee
15 YEARS	Mac Drace
Rose Domingo	I-Ping Chang
10 YEARS	Mike Kellogg
Bonnie Farley	Ravi Kunjithapadam
Thelma Goodwill	Mike Topsakal
Clarita Ona	Susan Wong

— Announcing —

Newsletter Team

Photos:
Mike Kellogg
Assistant Editor:
Karrin Colwell
Editor:
Dona Lupo

The Annual Gate Array Christmas Party



You are cordially invited to
this year's Christmas party
at the Sunnyvale Hilton
December 19, 1986



Editorial Policy:

- Articles will be printed as space allows.
- All articles are subject to editing.
- Articles will not be returned.
- Please submit all correspondence to Dona Lupo

We will be eating, drinking, dancing and making merriment to the fun sounds of "Johnny Baron and the Belairs". We always have a really great time socializing with our fellow employees. The fun begins at 5:00 (no host cocktails), dinner will be

served from 6:00 to 7:00, and dancing will be from 7:00 to 11:00. Pictures will be published in the next edition of the Gatorator, so smile pretty when you see the camera. Directions and more information will be posted.