

Invest in People



While there is life . . . there is hope

Thinking about an investment?

The status of today's economy has made people aware of faulty investments, but there is one investment that is a sure bet and it doesn't cost much — United Fund.

This year's annual United Fund campaign, which began October 7th and runs through October 30th, is using "Invest in People" as its theme. Fairchild would like to encourage each employee to donate as much as possible to the United Fund. To make contributions easier for the employee, Fairchild is offering a payroll deduction plan where a pledge can be spread over the next year in small payments. These contributions will not become effective until January 1, 1971.

For thousands of handicapped people, the only hope for adjustment and rehabilitation lies with the aid from organizations supported by the United Fund. United giving provides a positive way in which each person can actively support the services working to help these people. Even a small contribution will help bring hope and happiness to those less fortunate. It's an investment well worth considering!

Dear Fellow Employees,

October 7th through the 30th will be annual United Fund Campaign time at Fairchild, Mountain View. This is our community's largest united "Human Service" endeavor.

"Reach out, invest in people and we all benefit," is a phrase you will see and hear throughout the next few weeks of our campaign — it's this year's United Fund slogan.

Without our United Fund donations, the ninety-nine private agencies cannot provide help. When the payroll deduction cards are distributed by our Fairchild volunteers, give generously.

Sincerely,

Wilf Corrigan
Vice President & General Manager
Fairchild Semiconductor (Domestic)

Organization Changes



Wilf Corrigan



Leo Dwork



George Scalise



Doug O'Connor

A corporate-wide reorganization, aligning the Semiconductor division under four operating heads and naming new group vice presidents responsible for seven divisions, was announced Friday, August 28th. The organizational changes are designed to strengthen and better coordinate operations throughout the world in a period of intensified competition.

Joe Van Poppelen, formerly vice president and general manager of the Semiconductor division, was named a group vice president responsible for the Systems Technology, Space and Defense, Defense Products, Graphic Equipment, DuMont Electron Tubes, and Controls divisions, as well as Electro-Metrics Corporation, a subsidiary.

Appointed to manage the restructured Semiconductor division were **Wilf Corrigan**, vice president and general manager, domestic operations; **Leo Dwork**, vice president and general manager, memory systems; **George Scalise**, vice president and general manager, international operations (Far East); and **Doug O'Connor**, general manager, European operations.

First Annual Company Picnic: Fairchild Style

When you put 5000 adults and kids together with games, prizes, food, soft drinks and beer, and lots of noise and laughter, it's Fairchild's First Annual Company Picnic. It all happened on Saturday, August 15th at Linda Vista Park in Mission San Jose.

180 door and bingo prizes were given away including two grand door prizes — two trips, won by **Toni Warden** and **Sally Giron**, to San Diego for two, with \$50 cash for each couple. Koo Koo the Clown provided games and prizes for the kids.

The picnic was a great success thanks to committee members — **Andy Wihtol**, general chairman; **Sharon Cristman** and **Ed Nunes**, recreation; **Bill Szehner** and **Tody Palacios**, food and beverage; **Vicki Heinsheimer** and **Judi Peters**, publicity; **Jan Alves**, administration; **Bonnie Page**, medical and security; and **Sylvia Wittler**, decorations. The list is endless for those who worked during the day of the picnic.

Door and bingo prizes were donated by: Dale Johnson Travel Service, Yamanes Jewelers, Marine World, Franklin Optical, Cherry Chase Lanes, San Jose Surgical Supply, Roaring Camp, Chez Yvonne Restaurant, Look Out Inn, Camino Bowl, State Street Boutique and 111 Main Boutique, Universal Shoppers Directory, Valley Athletic, The Flower Pot, Fairway Glen Golf Course, Gerard Tire, Capitol Tire, Keith's Tires, Diners Fugazy Travel, Frontier Village, Santa Cruz Boardwalk, Carriage Trade Dinner Club, United Airlines, Pan Am Airlines, and Western International Airlines.



Peninsula Memorial Blood Bank located in Burlingame extends their appreciation to all Fairchild employees who responded so punctually on Wednesday, September 16th to their appeal for type "O" blood during an emergency.



People: Les Strahm



By Bill Cleghorn

The dream of most amateur race car drivers is to be able someday to make money at their hobby. To Semiconductor food administrator and first year racer **Les Strahm**, making racing pay is a reality.

On September 19th, Les completed his first professional race — the famous Trans-American Sedan Championship at Kent, Washington. Even though his little Ford Cortina was hopelessly outclassed by factory backed Alfa Romeos and BMW's, Les drove a determined and forceful race to finish 10th — in the money — and ahead of many team cars.

Prior to this race, Les had raced in regional and national championship point races as an amateur in the Sports Car Club of America. He had never finished below fourth and this included a win in the rain

at Kent. The upcoming race at Kent in the World Series of Sedan Racing and the decision to turn pro were a natural. The likelihood of rain could only be in his favor.

Art Strahm, Les' father and team manager, says that rules governing the displacement to weight for next year will make the Cortina competitive once again. Future plans now implemented include the purchase of one more Cortina brought up to Lotus Cortina specifications. "The car should then hang in there with the best". More Trans-American races are planned for next year along with more sophisticated team preparation.

Les finished driver's school at Sears Point International Raceway, Vallejo, California, in February and in August got his amateur National and Federal International Auto licenses. The latter now entitles him to race anywhere in the world as a professional — for money!

For his short racing career, Les has quite a record with 1 first and third, 2 seconds, 2 fourths and DNF (Did Not Finish) due to a tire which blew in a turn. Previously, he raced auto-cross (an individual race against time, not another car) and bagged the New England regional championship two years in a row.

Will the real Parnelli Jones please stand!

Fairchild in National Race

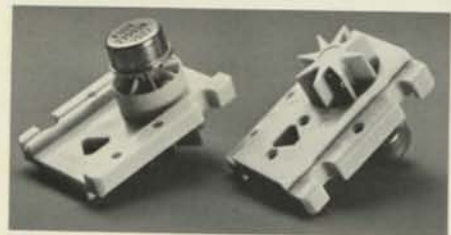


For Fairchild it was a different kind of race but it's old-hat for **Bill Norris**, who has been racing his go cart every weekend for 1½ years. During August 23 and 24, he competed in the National Go Cart Races in Quincy, Illinois. With the Fairchild logo on his helmet and cart, Bill placed sixth out of seventy carts for the time trials. During the finals, Bill ran into a slight "problem" (as the pros' call it), and had to take a quick trip to the hospital for a couple of stitches.

Last year as a rookie, Bill won the national championship over fifty-four other carts and set a new track record. This year, Bill was the youngest boy in his 12-16 age bracket to race around the rugged mile track.

Bill, age 12, is the son of **Ann Norris**, secretary to **Jack Gates**, director of MOS Memory and Bi-Polar Array Operations for Semiconductor; she's been with the company for 8½ years. Ann and her 15-year-old daughter, **Mary Ann**, who is Bill's mechanic, travel each weekend with Bill all over California — Fresno, Salinas, Tulare, Bakersfield, Riverside, and others. Not even considering traveling costs, it's an expensive sport — \$500 for the cart itself and \$400 for his four engines. Unlike the Indianapolis 500, winners receive only trophies (no money) so this family has to be dedicated. "I really enjoy it too," says Ann. "Since he's always working on his cart, I know he's out of trouble."

Stoppenfloppen !?!



Fairchild Semiconductor is now using the Stoppenfloppen as a means of protecting the leads of TO-5 linear integrated circuits against damage during shipping, testing, and handling. The Stoppenfloppen is Fairchild's name for a new plastic carrier

that holds a TO-5 package snugly in place and allows inspection and testing of the circuit right in the carrier. Measuring 1" long and 3/4" wide, Stoppenfloppen is designed to engage guide pins in automated insertion equipment, thus effecting a speed-up of printed circuit board insertions. Fairchild ships its entire line of TO-5 LIC products the Stoppenfloppen way using sealed plastic bags for 100-piece lots. The carrier's descriptive name, according to a company spokesman, was chosen over a host of suggested names that included such monikers as Easy Rider, Piggyback Carrier, TLC Pak, and Hopalong Carrier.

Customer Satisfaction Presents FAIRC Awards



Virginia Hall, Scheduler, Hi Rel Discrete Production Control, received the Customer Satisfaction award for her exerted efforts to make Customer Satisfaction an easier job.



Bev DeLos Santos and Harriet Reed, Hi Rel Discrete, worked long hours with personal difficulties to meet a shipment for a General Electric and Philadelphia order. Bev and Harriet, with their supervisors, Bob Anderson and Roger Brown, received the special plaque, signed by Dr. Hogan, from George Perris, Customer Satisfaction Manager.

Miss Match

Since the latest trends are mixing and matching, we've started by mixing — now can you match?

You can't use a computer to play this game, just a good eye and lots of imagination!





Celebration was on hand when **Wayne Carlson**, General Foreman, LIC, became a "papa" for the first time. The LIC gang surprised Wayne and his wife **Brenda** with (naturally) a high chair for little **Bradley Aaron**.

What more could a bride ask for than a "money tree"! The bride-to-be, **Linda Woodard**, received cake and coffee from her co-workers.

Celebrating his first born was **Peter Holtham**, Senior Design Engineer, LIC. Little "Jodi" came at 8:46 AM on July 16th at Stanford Hospital.

Vina Sanders, Discrete, Hi-Rel, was surprised with cake and coffee honoring her birthday.

The troops at Graphics surprised **Pat Bonham** with a large cake and a big happy birthday card to boot.

Irene Kolacia, Test Specialist, LIC, celebrated another year older with **Amiko Szasz** and **Hilda Walters**.

Parties & Potlucks Around Mountain View

Murlin Velleguette, Manager of Transistor Operations for Device Evaluation & Characterization, got the surprise of his life — a birthday party given by all the gang.

Marketing Services surprised their "boss" **Art Heller** with a Molly Sincere birthday cake and several joke cards.

A double birthday party was given for **Jim Keith** and **Kerry Lance** by the LIC engineers.

Earl Espinza was the honored guest at his birthday party. The DIC group presented Earl with a blue shirt with matching socks.

Industrial Relations helped **Jan Finley** turn another year older with cake and coffee.

"You're a good man Sal" was the theme when the PIC group in Mountain View presented **Sal Spano**, PIC engineer, with a beautiful plaque for being their "Man of the Year". Sal did a great job in training his people and maintaining high morale.

Andy Adamian is now a proud American citizen! Andy is a Senior Engineer for Consumer Microcircuits Engineering.

A joint birthday party was given for **Armida Mayorga** and **Gary Bradley**, Production Control Silicon Materials.

Jan King, PIC, was the honored guest at his surprise bridal shower. Many lovely gifts were presented to him.

DIC Fab girls surprised their foreman **Marvin Emmons** with a large birthday cake and a "mod" shirt and tie.

ODDS & ENDS

Ad copy should be submitted to the Leadwire Office on the forms provided for this purpose. Ad copy should be 25 words or less. Ads received by the 10th will appear in the mid-month edition; ads received by the 25th will appear in the month-end edition. Ads will appear only once; to renew ad, a new ad card must be submitted. Please use private outside phones in listings.

FOR SALE

1968 AUSTIN AMERICAN – yellow, automatic trans., radio, excellent condition with 25,000 miles. Asking \$1050. Robin Jeffs, 967-3910.

1955 CHEVROLET STATION WAGON – V-8, 3-speed with overdrive, new paint, chrome rims, rebuilt transmission. Asking \$200. Bev Pruitt, 248-6914.

AUTO PART – carburetor for 283 Chevrolet engine. Best offer over \$10. Dale Henry, Box 93, San Carlos.

STUDIO COUCH SLIP COVER – 2 cushion, wing back Early American style, forrest green. Asking \$10. **EXERGENIE EXERCISER** – used by professional athletes and astronauts. Asking \$25. Gail Payne, 948-7741.

WHITE KENMORE WASHER & DRYER – series 500, dial selector, 2 years old, in excellent condition. Asking \$250 for both or best offer. Bev Pruitt, 248-6914.

VACUUM CLEANER – Emdeko canister model, 1 year old, complete with attachments, excellent condition and ideal for small apartment. Asking \$60. Pat Mock, 968-6098.

FOR RENT

FULLY FURNISHED APARTMENT in Mt. View between California and El Camino. Sublet for 3 mos. for \$250 per month. Two bedroom on ground floor with all electric kitchen and garage parking. 964-0604.

3 BEDROOM AND 1½ BATH HOME with built-in stove/oven, wood paneled playroom, new carpets and drapes, large fenced backyard. San Jose area (off Camden Ave. and Kooser Rd.). Available now. Asking \$240 per month. Call after 5:30 p.m., Ginny Harris, 377-1106.

NEW CABIN AT SOUTH LAKE TAHOE Located in a picturesque wooded area, 5 minutes from casinos and beach areas. Has 3 bedrooms, loft, fireplace, one bathroom with tub and shower, built-in stove, and deck. Asking \$125/week plus \$25 cleaning deposit or \$75/weekend plus \$25 cleaning deposit. Ginny Harris, 377-1106.

REAL ESTATE

BEAUTIFUL ½ ACRE OF LAND away from high taxes and smog with paved roads, no assessments. Year-round prime residential corner lot. Diana Casey, 961-4465.

LITCHFIELD PARK, ARIZONA – 1 acre, 165' X 252' plus all utilities available except sewer. Asking \$3500. Chuck Schieszer, 969-2402.

Rec Council News

SPECIAL DISCOUNTS

Free Discount Cards available for Frontier Village, Disneyland, Zoofari (San Diego Zoo), Sea World, Santa Cruz Boardwalk, Santa's Village, Manufacturers outlet stores, Japanese Village and Deer Park in Southern California, Keith's Tire and Brake Center/Gerard Tires.

Kung Fu Academy is offering a special discount to Fairchild employees. It is an opportunity to save money and learn the ancient Chinese physical conditioning arts. Curious? Call 961-6448 evenings.

Wigs – Wash & Wear – needs no setting, retail for \$30.00, discount price at \$16.95 which includes styling. Also available at 40% off retail price is 100% human hair and accessories. For appointment call May at 592-3594 or 591-0166.

Wedding pictures are available to Fairchild employees on a discount basis. For 15 8 x 10 candid color pictures is \$89. Choose from 40 to 100 proofs. Other deals available. For more information, contact Ching T. Lau at 592-3594 or 591-0166.

Youth Fare Plan – If your children are between the ages of 12 and 22 and plan to travel, all major airlines are offering a Youth Fare Plan – reduced rates. Applications are available in the Rec Council office.

Membership applications for the YMCA of San Jose and Santa Clara are available for Fairchild employees with 20% off memberships. Applications can be picked up in the Rec Council office.

Santa Cruz Beach-Boardwalk presents the Beachcombers Club. Membership cards are available free at the recreation office.

Potlucks given in cafeterias must notify Ext. 3516 three days in advance for silverware. Ovens and refrigerators are available. Cafeterias will also bake cakes for employees for same price as outside.

Credit Union's New Savings '70 Contest started August 1st and will run until midnight October 31, 1970. First prize is \$1,000 share account, second prize is a portable color TV and third prize is \$100 share account plus 17 other prizes. Drawings for prizes will be held at noon on November 4, 1970. All credit union members may participate. For each \$25 you add to your savings, you will be given ONE chance to win. For more information concerning other chances to win, contact the Credit Union on Ext. 2401.

A special discount is being offered to Fairchild employees for any kind of glasswork: windows, shower doors, patio doors, tub enclosures, mirrors, etc. With 15 years of experience, no job is too big or too small. For more information call Ginny Harris at 377-1106.

To send flowers regarding any Fairchild employee hospitalized or in the event of death, contact Bev Pruitt on Ext. 2701.

FOR MORE INFORMATION

For information on all Rec Council activities, special events, clubs, discounts, etc., contact your Recreation Council Representative, Les Strahm (Ext. 2081), in Personnel Building at Mountain View.

"GROUP INSURANCE CLAIMS FORMS ARE NOW AVAILABLE IN ALL CAFETERIAS."

The services provided herein are for the exclusive use of Fairchild Camera and Instrument Corporation's employees. Fairchild assumes no responsibilities of any nature whatsoever for advertisements or notices placed herein, nor does Fairchild extend any warranties, statutory, express or implied, in connection with the subject of any advertisements or notices contained herein. The company reserves the right to limit the types of ads to the following: (1) ads for the sale, rental or leasing of goods; (2) ads for the purpose of locating goods which are for sale, rent or lease; (3) babysitting services; (4) ride pool arrangements; and (5) other types which may be added from time to time. Ads for the solicitation of funds, memberships, announcements of or invitations to meetings, etc., cannot be accepted, except for authorized Recreation Council events. The Company reserves the right to withdraw this publication at any time without notice. All advertisements are accepted subject to approval by the Company. Anyone responding to an ad that mis-states facts or is in any way misleading should report it to the Leadwire Office immediately.

1970 Bowling Champs

A banquet was given on Friday, June 26th, at Rick's Chalet in Palo Alto to honor the top three teams and individual winners in the 1970 Monday Night Bowling League. Guest speaker and presenting the trophies was **Joe Reilly**, Director of Personnel.

Taking first place honors for the team standings were the Nowgoes. Sweeping second and third place honors were the Lively Ones and the Gully Wumpers.

The individual winners for the Men's and Women's Hi Scratch events were **JoAnn McElfresh** and **Earl Beeman**. JoAnn scored 232 points and Earl 254 for Hi Game. **Ann Lima's** 586 and **Bob Veach's** 625 took Hi Series. **Oleta Madeiros** and **Bob Severson** took Hi Handicap Game honors with a 275 and a 289. Hi Handicap Series went to **Sally Santana** and **Rich Schell** with 714 and 722 points. The two most improved bowlers were **Jan Hagen** and **Tom Bispo**.

JoAnn McElfresh, **Barbara Butler** and **Ginger Tygret** walked away with all honors for the Women's Scratch in the Sweepers Event. In the Men's standings, **Jim Vinzant** took first place in all four events and **Bob Veach** placed second in Hi Game and third in Hi Handicap Series. **Gus Mellick** pulled a third place in Hi Game while **Tom Keesee** and **Jerry Pritchard** took second and third place honors in Hi Series. **Ted Jenkins** and **Tom Bispo** captured second and third place in the Hi Handicap Game and **Bob Dixon** came in second for the Hi Handicap Series.



It All Happened . . .

One Friday, when 25 "good guys" in Discrete Production Control, joined together at Washington Park in Sunnyvale for an "after hours" picnic and a little softball. Donating several kegs of beer, **Hank Mahler**, Production Control Manager, wanted his boys to know how much he appreciated their hard work — can't beat that for being a good guy!



Hi Rel Wins Slow Pitch Softball Championship

Fairchild's softball league had their championship playoff during the week of August 19th with six teams participating — Systems Purchasing, Systems Manufacturing, Systems Technicians, LIC, Hi Rel and Line Maintenance.

Winning four games straight, Hi Rel qualified for the two game playoff against Systems Manufacturing. With the score tied 2-2 in the first game, both teams had to go an extra inning. At the bottom of the eighth inning, **Frank Becerra**, Hi Rel, singled with two men on second and third base which brought in the winning run to make it 3-2. The final game between the two teams was captured by Hi Rel with an easy win of 11-2. The outstanding player of the entire series was **Clay Marr**, Hi Rel, who pitched four games and only allowed 9 runs from the opposing teams.

MICROWIRE

October, 1970, No. 1

Editor: Vicki Heinsheimer

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Printed in U.S.A.

Monday Bowling Standings

Monday night bowlers started their 1971 winter league on September 14th, at Cherry Bowl in Sunnyvale. It will run approximately 38 weeks with eighteen teams participating.

The team standings as of September 28th is team #4 in first place, winning all twelve games. Second place went to team #13, pulling ten out of the twelve games, and third place was taken by the Lively Ones, winning nine.

In the Men's High Series standing, **Don Brouillette** has the upper hand with 558. **Ed Nunes'** 552 puts him in second place and **Jerry Pritchard** captured third with a

528. For Women's High Series standing, **Flo Warfield** took first place with 504, **Vicki Risso** bowled 496 for second place, and **Norma Lias** followed with 489.

Dennis Lee leads the Men's High Game standing with 222, and **Mike Kelly's** 212 gave him second place. Tied for third place are **Larry Litherland** and **Clarence Stidham** with 211.

Vicki Risso holds first place for the Women's High Game with 189. One point behind Vicki is **Ann Lima** in second place, and **Marian Oswald** holds a 185 for third place.

Edie Beem, Mask Making, would like to thank everyone at Fairchild for the flowers and sympathy cards after her

daughter Robbie Mellinger was killed in August. Robbie was in Product Marketing at Fairchild.

Fairchild Kicks Off United Fund Campaign



The podium was set up, the speakers were clearing their throats, the solicitors were being seated, and the United Fund brochures were being distributed.

"Reach out, invest in people and we all benefit" was the theme presented to over a hundred solicitors representing Mountain View, R&D, Systems Technology, and MOD on Wednesday, October 7th in the 464 Ellis Street cafeteria.

Opening the kickoff was United Fund Chairman **Hank Hankins** introducing the two representatives for Santa Clara County — **Mark Schmidt** and **Tom Vias**. Mark and Tom gave a brief synopsis on United Fund with a film and slide presentation. **Dr. Hogan** was on hand to present the corporation's pledge to United Fund. He also spoke on the importance of this organization and how Fairchild can contribute to those less fortunate.

Shiprock Visitors Tour Mountain View

While on their honeymoon, **Boe Bowman** and his bride **Maretta**, in traditional Navajo dress, decided to drop in on the Mountain View complex to visit old friends and tour the facilities.

Boe is assistant personnel manager at Shiprock and Maretta Bowman works as clerk in the machine shop. They were escorted around the plant by an old friend **George Wurzbach**, product manager of plating and production control manager of silicon materials. They were introduced to the new T092, viewed the Plating building and toured the LIC Wafer Sort area in building 20.

According to Boe, "It was really a joy for us to visit Mountain View and observe the new techniques and equipment we have heard so much about at Shiprock. It was also a pleasure to see old friends and meet new ones. We hope everyone will visit us in the future."



Pat Lafferty, general foreman, LIC Wafer Sort, explains the wafer process to Boe and Maretta Bowman visiting from Shiprock.

President's Commission on White House Fellows

Each year approximately 20 outstanding young Americans between the ages of 23 and 35 are selected to serve as White House Fellows. Chosen by a National Commission on a nonpartisan basis, the Fellows serve a one year internship at the highest level of the Federal Government as special assistants to members of the President's Cabinet and White House staff. In this capacity, these young men and women have a unique opportunity to observe and participate in policy making

at the national level. During their year in Washington, the White House Fellows develop the kinds of skills as well as the breadth of knowledge about the governmental process to enable them to assume greater responsibility in their firms and communities upon their return.

President Nixon has announced the start of a nationwide search for candidates for the White House Fellows program in 1971-72. Fairchild has been selected to

participate in this outstanding program. Applications may be obtained from your supervisor and must be submitted by December 1, 1970. In March, the Regional Panels make their recommendations and in May the President's Commission chooses a new group of Fellows from among the finalists.

Candidates will be judged on their intellectual excellence, leadership, judgement, and concern for their fellowman.

Plant Tour: Systems and Applications Engineering

Systems and Applications Engineering is the technical arm of Marketing. Acting as technical liaison between Fairchild and its customers, the department, under the directorate of **Bob Ulrickson**, is responsible for matching the division's products to customer requirements and helping these customers use the products to the best advantage. Being aware of all the product lines, Systems and Applications Engineering personnel can ensure that the customers get the optimum semiconductor complement for their systems — systems which may range from toys to calculators. In essence, the department is an "internal customer" for all Fairchild products.

Systems and Applications Engineering is divided up into four functions — product planning, product support, systems analysis, and customer assistance.

Being in constant technical communication with all the different types of systems into which Fairchild products go, the department is the logical overseer for the formal New Product Planning System. By means of this system new semiconductors and subsystems for all product lines and market areas are defined in a manner which optimally matches operations' capabilities and capacity to the needs of the marketplace.

Product Support involves the generation of technical information which is used to help the field sales engineers to sell the product and the customers to use it. The information includes Application Briefs, Application Notes and Product Manuals. The product support function also includes seminars, technical articles in magazines and assistance with data sheets and advertisements.

Systems Analysis is an important, continuing function of the department. Electronic systems of all kinds are analyzed with a view to semiconductor usage. Systems involved may be as simple as an AM radio or as complex as a computer. Systems Bulletins are generated to help the field sales engineers in discussions with customers and give him a feel for the customer's system requirements as they relate to Fairchild products.

Customer Assistance involves day to day contact with customers, answering technical inquiries about products and helping them with any problems they may have in designing Fairchild into their products. This function can also include building experimental circuits for customers, performing computer simulations of their systems and evaluating their finished products.

Within this framework, there are five groups which perform applications functions.

Bob Hood's Automotive Applications group has identified about fifty electronic functions within the automobile that will require many semiconductor devices to solve the problem of reducing pollution and making our cars safer as well as more convenient to drive. The group is using its own test car to prove out circuits which may result in a 50,000 mile maintenance-free automobile.

The Digital Systems section, headed up by **Peter Alfke**, did the logic design for most of Fairchild's MSI circuits and the MOS Calculator chips. This group works closely with DIC, SIC, and MOS Engineering and Product Marketing to solve customer problems in digital systems.

The Consumer Applications area, under **Norman Doyle**, concentrates its efforts on semiconductor products for radio and television receivers, video tape recorders, electronic organs, stereo equipment, toys and other home entertainment electronics. The Consumer group has built a facility called the "CARE" room (Component Application and Reliability Evaluation) which is used to test television sets containing Fairchild ICs and discrete devices for several TV manufacturers.

Package Applications is a one man group. **Lee Marley** works with Operations and Fairchild's many customers to answer questions relating to device packages. The Fairchild Package Coding Bulletin is Lee's responsibility. It is made up of two documents for discretes and ICs describing with drawings the various packages Fairchild puts out.

"Everything else" might be the best way to describe the applications work done by **Bob Ricks'** Instrumentation and Interface Systems group. The group works primarily in support of Linear Circuits and Discretes, but must be versatile enough to solve the customer problems that fall between analog and digital. Some of the group's recent projects have included electronic watches and clocks, telephone circuits, phase locked loops, and analog multipliers.

Overall, Systems and Applications Engineering is responsible for discovering semiconductor requirements, initiating the development of the devices to meet those requirements and lending technical support to the sale of those devices.



John Springer and Rich Whicker await the output of a logic simulation from the computer.



Marvin Vander Kooi uses the Wang Calculator.



Bob Ulrickson and Lee Marley check some of Fairchild's many semiconductor packages.



Bob Trabucco, Bob Hood and Rob McFarlin observe Dave Krupp putting the finishing touches on the electronic fuel injection system in the Automotive Applications test car.



John Nichols and Mogens Ravn of Digital Systems discuss a digital controller concept using LSI.



Ken True and Bob Tuttle work on a touch-tone decoder for telephones.



Grace Cole and Bob Ulrickson check the Applications Progress Report.



Suleyman Sir examines I.F. strip for FM stereo receiver.



Bob Ricks and Moise Hamaoui of Instrumentation and Interface Applications investigate a problem in a phase lock loop circuit.



Peter Alfke and Eric Breeze of Digital Systems demonstrate Applications' electronic organ design.



Norman Doyle, Consumer Applications Manager, pens another prize-winning memo.



Tony Brooks checks out TV receivers in CARE (Component Application and Reliability Evaluation) facility.



Rodney Smith works with breadboard of the latest Veeble fetzer.



Tony Brooks and Halfon Hamaoui, Consumer Applications, demonstrate an on-screen TV channel number display.

An Open Letter to All Employees

As all of you are very much aware, the Semiconductor Division has been greatly affected by the economic downturn of the past several months. Even though we are now beginning to see signs of recovery, we have had to curtail every sort of expenditure – from payroll dollars to office supplies – in order to maintain a stable financial position in the face of a reduced market for our products. It follows, then, that management would have to make the decision to reduce the amount of money allocated to the

Recreation Council for the remainder of 1970. Because we were positive that each employee would gladly relinquish one evening's entertainment in the hope that no more employees would have to be terminated, the Council abandoned our plans for a company Christmas party.

The Council does want to make it very clear, however, that even though our actions have temporarily been curtailed, we do have sufficient funds to support our program for the balance of 1970. In addition, we are using the last three months of this year to re-evaluate the

entire structure of the Recreation Council and go ahead with aggressive plans for a complete activity calendar for 1971. Near the beginning of next year, we will circulate a questionnaire throughout the Division in an effort to solicit ideas for new programs and determine which activities you are most interested in. Our goal is to use the funds we have available to more effectively reach and serve each employee at Fairchild.

FAIRCHILD EMPLOYEES
RECREATION COUNCIL

Funny You Should Ask!!

What do you think about lowering the voting age to 18?



Larry Piper, Manager
Hi Rel Transistor Products

"I think it would be great! I remember when I was 18 and I was more informed at that time than I am now. I feel the young people have every right to vote. Who knows, maybe it will keep them from violating our laws."



Marge Killian, Secretary
Facilities & Engineering

"I definitely think they should vote. If a girl is allowed to be married at 18 and a boy goes to war, then why shouldn't they have the privilege to vote."



Rosie Wotowicz, Tester
Discrete Hi Rel

"If 18 year olds fight and die for our country, they are certainly old enough to vote. They would probably take more interest in our politics and country."



John Osterloh, Program Manager
Integrated Microsystems

"I would say 18 year olds are more aware of the world problems. They seem to be extremely sharp and bright. We need their questions and ideas to deflate our sacred cows!"



Marlene Souza, Secretary
Silicon Materials Production Control

"If the boys are old enough for the service at 18, they should be entitled to vote. For women I would say no."



Linda Rackley, Secretary
Digital Microcircuits Engineering

"First, my opinions differ and I'll explain why. I agree that 18 year olds should be allowed to vote. They are young and true and they should have something to say about the future of their country that will soon be in their hands. I feel that if a person (young and old) has the task or an obligation to their country to go and fight for it, they should have some say on who is running the show. There are also reasons why I wouldn't agree on it. An 18 year old is still young, but they are not really mature enough politically to decide on the best person to hold office. I would like to quote Dick Gregory, a black author, 'but be a fool, get the vote at 17 and there probably won't be a war when you get 18'."



Virginia Glagola, Spec Writer
Marketing

"I feel that the voting privilege should be extended to 18 years of age. Many young people are maturing at an earlier age than past generations and are more politically aware of our country's problems. If they wish to vote and become politically active, I feel they should be allowed to do so. However, I seriously doubt if many 18 year olds, once given this privilege, would exercise their option. Too few citizens over 21 bother."



Geoffrey Winkler, Director
Integrated Microsystems

"I'm generally in favor of it. If they are young enough to die for their country, they should be able to vote. The kids today are much sharper than the past generations, therefore; they deserve the right to participate in our freedom to vote."

Hamburgers . . . Hot Dogs . . . Cafeteria Council

Get with your Cafeteria Council representative. He or she represents your suggestions and complaints toward the cafeteria services.

The council was organized in August, 1970, by **Les Strahm**, cafeteria administrator and advisor to the council, for the sole purpose of relating to the employees what the cafeteria is doing, its problems, and how it affects the overall operation. These representatives, selected by directorates, are open for suggestions to improve the cafeteria conditions and will present your ideas to the council at meetings held once every two weeks.

Remember you have a representative who cares about your interests. Why not let him know!



Mary Barashas
DIC Assembly



Ray Warneck
Marketing



John Walsh
Chairman



Vera Hodgins
Silicon Materials



Dan Asuncion
Mask Designing



Eric Bergtraun
Facilities, Maintenance
& Services



Grace Doolittle
Hi Speed Wafer Sorting



Dixie Love
International Finance



Teri Cuevas
Industrial Relations



Diane Toma
DIC Fab



Barb Smith
Cafeteria Manager



Les Strahm
Food Administrator



Bobbie Sherrill
MOS

The Scorpio Employee

October 21 – November 21



by Linda Goodman from her book *SUN SIGNS*

Offhand, who would you say is the one person in your office who is the most self-contained? Which employee seems to have the most inner confidence, without being obvious about it, the steadiest eyes, the least excuses and the most poise? If there's someone on the staff with those qualities, does he give you the feeling he can take a compliment or leave it alone? Is he secretive about his personal life? Does he have a master plan for his future? Assuming all this is true, one more question: are the other employees a little afraid of him? There's no doubt about it. He's a Scorpio.

More than anyone else with your firm, the Scorpio employee is the master of his fate and the captain of his soul. He's entirely self-motivated and single-minded. No one else can be so resourceful and so sure of his own potential. The Scorpio has the power to make or break his own life, and he knows it. He never lies to himself, and rarely blames anyone but himself for his own mistakes. To whatever degree he chooses, this employee can rise, and he'll expect few favors on the way up. He's the very last person you'd accuse of having an inferiority complex.

Your Scorpio employee's reaction to you will relate directly to what you can offer him — what he wants from you and from life. If the average person opposes the Scorpio, insults him, treats him rudely, breaks a promise or steps on his tail, may the gods have mercy on him. However, if you represent power and the fulfillment

of his private dream, his reaction to the same treatment will be detachment. If you have something a Scorpio wants and needs, he'll take almost anything from you with deliberate tranquility, and with — believe it or not — no retaliation or defensive stinging. The very fact that he's able to control his deep resentment, and literally erase it from his mind is proof of his awesome inner strength.

If there's one thing a Scorpio knows, it's on which side his bread is buttered, and who owns the marmalade. He's absolutely certain he will reach his goals eventually. Therefore, he's not in a rush to knock down any brick buildings. Nor is he ashamed to submit to his superiors when it's expedient to do so. That's why your Scorpio employee is fearless. Confidence always breeds courage. To him, everything is timing. With some sort of deep mystical penetration into the secrets of the universe, he knows when his time will come.

You can expect the Scorpio man or woman to accept the inevitable with grace, if the stakes are high enough. He (or she) will check out the potential with an eagle eye, figure the consequences, mark the possible reward, and make the final decision to submit with a cool head and a definite purpose in mind. Most bosses appreciate and admire the Scorpio philosophy. He knows the price of success, and he's willing to pay it, without asking for special concessions. When that success arrives, however, don't forget: it's half-time — change sides.

Compared to the attitude of the average worker, you'll discover there's another quality to admire in your Scorpio employee. It's an old-fashioned word, spelled l-o-y-a-l-t-y, rather a rare commodity these days. Scorpios have their own sense of loyalty.

These workers are intense and tenacious. They're quite serious about their careers, and they never lose sight of the goal. Scorpios can be stubborn, rebellious, passionate and overbearing. Scorpios are smart — some are brilliant and all of them are shrewd and logical. You'll often find Scorpio men and women gravitating to work that involves solving mysteries and penetrating the puzzles of life, machines, facts or human beings. Lots of them are detectives, psychiatrists, scientists, surgeons, policemen, researchers, reporters and even undertakers. They must increase their knowledge each day they live, at the same rate they increase talents, abilities and incomes.

Never pry into Scorpio's private affairs. He will not tolerate that. If he likes you and his job, he'll be generous and fair. He'll give you eight hours work for eight hours pay, and he won't watch the clock if the project holds his interest. But remember that he will always be firmly committed to his own code and ideas. He will be true to them above all other loyalties, including love and ambition. No one but himself can force him to alter his views and opinions.

Parties & Potlucks Around Mountain View



Judi Butler, DIC Fab, was recently promoted to Mask Designing and began her classes on September 28th.



Sue Suttles, Judy Sumida, Betty Poston, and Sandy Bailey have been promoted to Mask Designing. The four girls were formerly working in DIC Fab No. 3 under Wayne Carlson.



John Olson, Senior Technician, was surprised with a bridal shower by all the girls in Wafer Fab No. 2. He received lots of interesting things!?!

ODDS & ENDS

Ad copy should be submitted to the Leadwire Office on the forms provided for this purpose. Ad copy should be 25 words or less. Ads received by the 10th will appear in the mid-month edition; ads received by the 25th will appear in the month-end edition. Ads will appear only once; to renew ad, a new ad card must be submitted. Please use private outside phones in listings.

FOR SALE

1969 COUGAR - XR-7, all power, leather interior, 2900 miles, excellent condition. Asking \$2500. Call before 6 p.m. 962-2134.

1966 BUICK SKYLARK SPORTS COUP - automatic transmission, P/S, bucket seats, good buy. Asking \$995. Janet Reynolds, 739-8257.

1955 CHEVROLET STATION WAGON - V-8, 3-speed with overdrive, new paint, chrome rims, rebuilt transmission. Asking \$200. Bev Pruitt, 248-6914.

WHITE KENMORE WASHER & DRYER - series 500, dial selector, 2 years old, in excellent condition. Asking \$250 for both or best offer. Bev Pruitt, 248-6914.

LE BLANC ALTO SAXOPHONE with case and all accessories. Professional model. Excellent for advanced students. Must sell. Perfect condition. Asking \$200. John Williams, 732-3069.

IRISH SETTER PUPPIES - excellent hunting dogs, AKC registered. Hildegard Kruecken, 257-1032.

FOR RENT

SKI CABIN shares at North Shore Lake Tahoe, between Squaw Valley and Incline. \$135 per share for November 1st through April 15th - includes one guest. Sorry no children. Cabin sleeps 14. Pamela Robertson, 968-2247.

FULLY FURNISHED APARTMENT in Mt. View between California and El Camino. Sublet for 3 mos. for \$250 per month. Two bedroom on ground floor with all electric kitchen and garage parking. 964-0604.

3 BEDROOM AND 1½ BATH HOME with built-in stove/oven, wood paneled playroom, new carpets and drapes, large fenced backyard. San Jose area (off Camden Ave. and Kooser Rd.). Available now. Asking \$240 per month. Call after 5:30 p.m., Ginny Harris, 377-1106.

NEW CABIN AT SOUTH LAKE TAHOE Located in a picturesque wooded area, 5 minutes from casinos and beach areas. Has 3 bedrooms, loft, fireplace, one bathroom with tub and shower, built-in stove, and deck. Asking \$125/week plus \$25 cleaning deposit or \$75/weekend plus \$25 cleaning deposit. Ginny Harris, 377-1106.

25-FT. HOUSE CAR for rent by the week or weekend. Fully self-contained; sleeps six comfortably. Al Billheimer, 245-5040 (days) or 241-2868 (nights).

REAL ESTATE

BEAUTIFUL ½ ACRE OF LAND away from high taxes and smog with paved roads, no assessments. Year-round prime residential corner lot. Diana Casey, 961-4465.

LITCHFIELD PARK, ARIZONA - 1 acre, 165' x 252' plus all utilities available except sewer. Asking \$3500. Chuck Schieszer, 969-2402.

Rec Council News

SPECIAL DISCOUNTS

Charles-Don Tires, Inc. in Redwood City is offering various discounts for Fairchild employees. Price sheets are located on all bulletin boards. Must present badge to obtain discount.

Sunlite Bakery is offering a 10% discount on all bakery goods with the presentation of a Fairchild badge. There are three locations in the Bay Area - 2239 Old Middlefield Way, Mountain View; 145 South Montgomery St., San Jose; and 1380 Industrial Way, San Carlos.

Universal Discount Club presents a singles and family membership card to all employees. The \$10 a year membership entitles you to a discount at various business establishments in the Bay Area. A complete directory comes with the card. For more information, contact Les Strahm at Ext. 2081.

Free Discount Cards available for Frontier Village, Disneyland, Zoofari (San Diego Zoo), Sea World, Santa Cruz Boardwalk, Santa's Village, Manufacturers outlet stores, Japanese Village and Deer Park in Southern California, Keith's Tire and Brake Center/Gerard Tires.

Kung Fu Academy is offering a special discount to Fairchild employees. It is an opportunity to save money and learn the ancient Chinese physical conditioning arts. Curious? Call 961-6448 evenings.

Wigs - Wash & Wear - needs no setting, retail for \$30.00, discount price at \$16.95 which includes styling. Also available at 40% off retail price is 100% human hair and accessories. For appointment call May at 592-3594 or 591-0166.

Wedding pictures are available to Fairchild employees on a discount basis. For 15 8x10 candid color pictures is \$89. Choose from 40 to 100 proofs. Other deals available. For more information, contact Ching T. Lau at 592-3594 or 591-0166.

Youth Fare Plan - If your children are between the ages of 12 and 22 and plan to travel, all major airlines are offering a Youth Fare Plan - reduced rates. Applications are available in the Rec Council office.

Santa Cruz Beach-Boardwalk presents the Beachcombers Club. Membership cards are available free at the recreation office.

Potlucks given in cafeterias must notify Ext. 3516 three days in advance for silverware. Ovens and refrigerators are available. Cafeterias will also bake cakes for employees for same price as outside.

A special discount is being offered to Fairchild employees for any kind of glasswork: windows, shower doors, patio doors, tub enclosures, mirrors, etc. With 15 years of experience, no job is too big or too small. For more information, call Ginny Harris at 377-1106.

To send flowers regarding any Fairchild employee hospitalized or in the event of death, contact Bev Pruitt on Ext. 2701.

FOR MORE INFORMATION

For information on all Rec Council activities, special events, clubs, discounts, etc., contact your Recreation Council Representative, Les Strahm (Ext. 2081), in Personnel Building at Mountain View.

The services provided herein are for the exclusive use of Fairchild Camera and Instrument Corporation's employees. Fairchild assumes no responsibilities of any nature whatsoever for advertisements or notices placed herein, nor does Fairchild extend any warranties, statutory, express or implied, in connection with the subject of any advertisements or notices contained herein. The company reserves the right to limit the types of ads to the following: (1) ads for the sale, rental or leasing of goods; (2) ads for the purpose of locating goods which are for sale, rent or lease; (3) babysitting services; (4) ride pool arrangements; and (5) other types which may be added from time to time. Ads for the solicitation of funds, memberships, announcements of or invitations to meetings, etc., cannot be accepted, except for authorized Recreation Council events. The Company reserves the right to withdraw this publication at any time without notice. All advertisements are accepted subject to approval by the Company. Anyone responding to an ad that mis-states facts or is in any way misleading should report it to the Leadwire Office immediately.

People: Bruce Dickerson, M.D.



"We want to make our medical department as efficient and professional as we possibly can at Fairchild," said **Dr. Bruce Dickerson**, the new medical director for the corporation.

Arriving in September, Dr. Dickerson has already gone great guns by starting up new medical programs for Fairchild. His first project was providing flu shots to all employees during the early part of October. In addition, he feels a strong need for a general health counselling program dealing with emergency situations. "We are concerned with the appraisal, maintenance, restoration and improvement of the health of each employee and we want to be able to apply emergency medical care, environmental hygiene and rehabilitation for all Fairchild employees," explained Dr. Dickerson. Other programs are being developed and will be announced later in the year.

Dr. Dickerson, formerly medical director of the Equipment Group at TRW, Inc. in Cleveland, has been very involved with occupational medicine. His special interests concern organization and operation of occupational medical programs in industry, medical contributions to absenteeism control in industry, and industrial hygiene and toxicology (science of poisons and their effects). Dr. Dickerson has also spread his interests to writing articles for various medical journals.

Three of his most outstanding articles published were "The Accidental Clamping of an Omphalocele", "The Worker's Fear of Automation", and "Cathedral Workers During the Middle Ages".

Dr. Dickerson's earlier experience includes private medical practice, and occupational medicine posts with McDonnell-Douglas Company, American Airlines Company, and Standard Oil of California. He received his residency training at UCLA and the American Telephone and Telegraph Company, and has served as a medical officer in the U.S. Army with the rank of major.

When Dr. Dickerson isn't servicing Fairchild employees, he may be found lecturing on occupational medicine and industrial hygiene; or writing articles on industrial medicine; or at home building model sailing vessels and reading up on naval history.

Monday Bowling Standings

The Screwballs have pulled into first place as of October 19th, winning nineteen out of twenty-four games. Second place went to team No. 13 with eighteen games and the Unreliable Beavers came in third winning fifteen games.

In the Men's High Series, **Neal Geer** moved up to the number one position with a 582 and put **Don Brouillette's** 558 in second place with **Gary Tharp** for a tie. **Larry Litherland** and **Jerry Prichard** are tied for third place with 554. **Delores Cannon** took first place honors with a 522 and **Dixie Caito** remains one pin behind Delores in the Women's High Series standing. **Ann Lima's** 512 has put her safely in third place.

Dennis Lee is holding first place in the Men's High Game Series with 222, and **Neal Geer** captured second place with a 219. A three way tie for third place includes **Mike Kelley**, **Bob Severson** and **Jim Boyd** with 212. **Leslie Jackson** bowled a 215 for the Women's High Game Series with **Dixie Caito's** 203 maintaining second place and **Delores Cannon** holds a 197 for third place.

What's Cooking?

With autumn in full swing, more and more Fairchilders are preparing for the fall sport — football. Whether it's the 49ers or the Raiders or Fairchild's own touch football game, they will want to enjoy good food and drink during half time.

FOOTBALL SANDWICHES

Submitted by
Marlene Souza
Secretary — Silicon Materials

Mushrooms (Large size)
Butter Oil
Bulk Pork Sausage

Wash mushrooms, trim out stems, dip in buttered oil, fill with approximately 1 inch diameter of pork sausage, put in oblong pan and bake for 20 minutes.

ARTICHOKE SANDWICHES

Submitted by
Joan Major
R&QA

Cooked artichokes (cool)
Scrape the leaves
Mix with Best Foods mayonnaise
Garlic salt & pepper to taste

Put on two pieces of fresh sliced bread or french.
Yummy!!!

To Your Health *by O. Bruce Dickerson, M.D., Medical Director*

How can I tell if I really have flu? What should a person do to alleviate the discomfort caused by flu? How long is flu contagious?

Influenza is an acute infectious disease of the respiratory tract, characterized by the abrupt onset of fever, chills, headache, muscle pains and, often, extreme weakness. A runny nose and sore throat are common, and a cough is almost always present. Symptoms usually last two to seven days.

Influenza, in common with other virus illnesses, has no specific treatment; that is, no antibiotic or other medication will kill the virus which causes the disease. Treatment, then, is symptomatic; staying in bed until the temperature returns to normal, eating according to the dictates of the appetite and drinking copious amounts of water to thin the secretions in the respiratory tract.

Doctors may prescribe medications to help make you more comfortable and prevent complications. Antibiotics may be prescribed if complications occur.

Flu is contagious only after a person has the disease, and he may transmit the disease for a period of three days after symptoms begin.

MICROWIRE

October, 1970, No. 2

Editor: Vicki Heinsheimer

Reporters: Ginger Tygret, Geri Hadley, John Walsh, Marge Killian, Cliff Reich, Bill Cleghorn, Millie Dawson, Vel Gale, Clint Haines, Margaret Elliott, Pat Alfred, Lorette Hayes, Bev Delos Santos, Judy Curiel and Marelene Souza.

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Printed in U.S.A.

Credit Union Announces Winners of Savings Contest

The room grew crowded with Credit Union members, the Credit Union officers and employees were preparing the final leg of the contest, and the barrel started to turn.



Credit Union member draws for 1st prize.

The winners were announced at noon on Wednesday, November 4th in the Mountain View Credit Union office with 25,000 members participating in the 1970 Savings Contest. To qualify for the drawing, members had to either bring in a new account which would give them 4 chances, increase payroll deductions for 2 chances, deposit \$25 for 1 chance, or deposit \$10,000 for 400 chances.

Over thirty prizes were awarded — Thanksgiving turkeys, Poloroid Cameras, Sony Radios, a 1971 Chevrolet for one week with 50 gallons of gas, memberships to Jack La Lanne, and barbeque rotisseries.

The top three prizes were presented by Manny Robles, president of the Credit Union, to Ed Espinosa, Mary Kay Manners, and George Reh. Ed won the \$1,000 first place prize, Mary Kay received a color TV set and George won the \$100 third place prize.



Bob Maydeck presents 1st prize to Ed Espinosa.



Mary Manners with her color TV.

Dear Fellow Employees,



For the last few months, every day has brought another serious challenge to each of us. Sometimes it has involved suffering through the layoff of a friend. On other occasions it has meant reading disappointing, even

depressing financial reports about Fairchild in the press. Most recently it has taken the form of a direct departure of dollars from our take-home pay.

Ironically, perhaps, my own confidence in the future of Fairchild Semiconductor in this time of national economic recession has been strengthened substantially by that last decision. It is an axiom in this business that "if you tell yourself you can afford to lose money, you will". For the first time since early May, we are realistically facing facts and making the gutsy, painful judgements required to return to profitability. Instead of ineffectually striving to lessen losses, we are finally recognizing that within the next few months whatever must be done to once again achieve a firm base of profits, will be done!

Somehow, immediately, each of us has to take very seriously what more we can do to bring Fairchild back that much faster. What can I do to bring to our ultimate Boss, the Customer, the realization that we are the most capable human beings involved in making and selling semiconductors anywhere in the world? Orders, repeat business, new business, and billings are coming to us only if we make them come. It's time to stop looking to Santa Claus, or even President Nixon for relief. Only our own understanding of the problem, confidence in ourselves, a positive attitude, and effort can provide the solution.

Sincerely,

Joe Reilly

Joe Reilly
Director of Industrial Relations
Mountain View

Customers Satisfaction Presents FAIRCHILD Award

Always cheerful, helpful and efficient describes the six Fairchild Communications Operators. Marilyn Kloes, chief operator; Elinor Coomes; Helen Hill; Diane Mave; Dorothy Money; and Pamela Klier received the Customer Satisfaction award for a job well done on Tuesday, November 10th from Al Enamait and Larry Anderson. According to George Perris, manager of Customer Services, "these girls have a very difficult task to perform, they have done an excellent job not only for Customer Services but for the entire complex."



The Sagittarius Employee

November 22 – December 21



By Linda Goodman from her book *SUN SIGNS*

Lots of employees, when you tell them how much money they can make after a year with the firm, plus the financial incentive after five years' service, show a great deal of interest. Your Sagittarius employee will not. He's far more fascinated by what you're going to pay him now — today. Tomorrow is far enough away, but next year is unthinkable and five years is forever. That's play money. He's interested in real cash.

The Sagittarian is a delight to have around the office. He may knock over in the filing cabinet or spill coffee on the outgoing mail once in a while, but what's a little clumsiness, when he's so cheerful and willing to help? He's not a whiner or complainer. He's a positive soul, as enthusiastic and optimistic as you were when you first joined the company, remember? The difference is that he'll stay that way after he's retired. It's part of his nature. Some of it may rub off on you, and who knows, he may shine some light on that dark corner where you lost your illusions, so you can polish them up and try them out again.

Sagittarius never does things halfway. The only thing he's slow to make up his mind about is marriage. In everything else, he's fairly speedy. There are, of course, some archers with Taurus or Capricorn ascendants, who move with more caution, but they're not slow pokes in either their emotional or mental attitudes. Normally, the typical Sagittarian is way ahead of you, and he certainly doesn't mind brightly calling your attention to it when he is. Humility is not one of his more noticeable attributes. Some Sagittarians wear a thin veil of modesty over their fiery egos, but if you peek through it, you'll see a self-confident person, who is really quite happy with himself in general.

Sagittarius may sometimes seem both casual and careless, but never let that lead you into the grave error of underestimating the flashing Jupiter intuition and often brilliant mental processes. There will be times when you have no idea where he's going or where he's been either. There will be other occasions when you'll wonder if he's really shy, or just biding his time for that plan he has pressure cooking in his brain. At other times, that plan won't have any room for doubt. He'll make so bold, you'll be aghast at his forthright statements. There will be little that's small about his gestures, ideas or actions. He makes large, grand mistakes and pulls in superduper winnings against enormous odds.

The Sagittarian curiosity may get on your nerves. He'll never be satisfied with simply getting instructions. He'll want to know the why behind your orders, and the reason for your methods. If your logic appeals to him, he'll praise you with his honest approval. If not, you may shrink before his equally frank appraisal of the holes in your procedures. That's before you collect your wits and become angry. Collecting your wits may be a necessary precaution in dealing with a Sagittarian, but getting angry is a shameful waste of adrenalin, because very few people can manage to stay mad at the archer.

Most Sagittarian employees won't blush when you pay them a compliment. They love applause. You may blush for them, however, when they start to boast about their talents and abilities. One of the minor Jupiter flaws is a happy willingness to promise to deliver anything — the sky is truly the limit — and then not quite following through, because the target was a little further off than he figured. Next time, he'll aim straighter and deliver. The quieter, more

discreet archers will, in their own mild way, also tend to bite off a wee bit more than they can chew. Still, both types will come through on top often enough to keep you fascinated.

It's the Jupiter luck that seems to hang over these people. Already fortified at birth by reliable hunches and excellent perceptions, which progress toward logical conclusions, they're right more often than they're wrong. Add a little typical Sagittarius luck, and you can see why they're frequently at the head of the parade.

There are Sagittarians who scoff at their own good fortune and like to give the impression they're real born losers. If you employ one, don't be tricked by his shrewdness. He may be one of those suspicious types with a Scorpio ascendant, who thinks that, if he talks about it, his luck will change, but he wins at Bingo as often as the rest of the archers.

The Sagittarius employee may surprise you with an occasional outburst of temper, directed toward anyone. His fiery, righteous indignation is usually aroused when someone dares to question the honesty of his intentions. He's the soul of integrity, even if he takes some odd, winding back roads to reach the truth. He really is. Doubting him or accusing him of false pretenses can cause him to dip his verbal arrows in flame. They'll pierce your sensitive spots as if he had been trained by Robin Hood himself. As for his anger, it never lasts long enough to really burn, and his arrow seldom leave scars. Just little nicks in your ego.

Sagittarian is a good salesman, but you may have to train him to curb his hasty enthusiasms. He can dash out after a challenge, and forget to wear his caution. But as impulsive as he is, when his thinking cap is securely fastened on, he can beat all the pros with his sound, logical, if a bit startling ideas. Money is important to him, because he has to support himself in the style to which he would like to become accustomed. He's seldom stingy and if you are, he'll move on to more congenial surroundings.

Your Archer can cause you to throw up your hands in despair, but it won't do any good. When he sees you with your arms in the air, he'll just toss you a ball and say, "Catch!" What are you going to do? Catch.

Fanny Farmer Who!?!

Somewhere in the vast Mountain View complex there is a Fanny Farmer Candy Girl. Employees even travel a great distance to get one small sweet to make their day.

According to the owner, of the candy dish, **Judy Curiel**, DIC Assembly, it all started a year and a half ago as a one-time thing, but with the wild enthusiasm and donations, Judy just couldn't stop filling the bowl with goodies. "I have met more nice people who spot the candy on my desk and stop to talk. The most rewarding part of it all is our department is tops and if this makes them happy I will continue to be the Fanny Farmer of Fairchild."

Judy Curiel, DIC Assembly, would like to thank everyone at Fairchild for the contributions donated to buy games and toys for her sick little boy. Michael, age 7, came down with a rare blood disease which will keep him in bed for an unlimited amount of time.

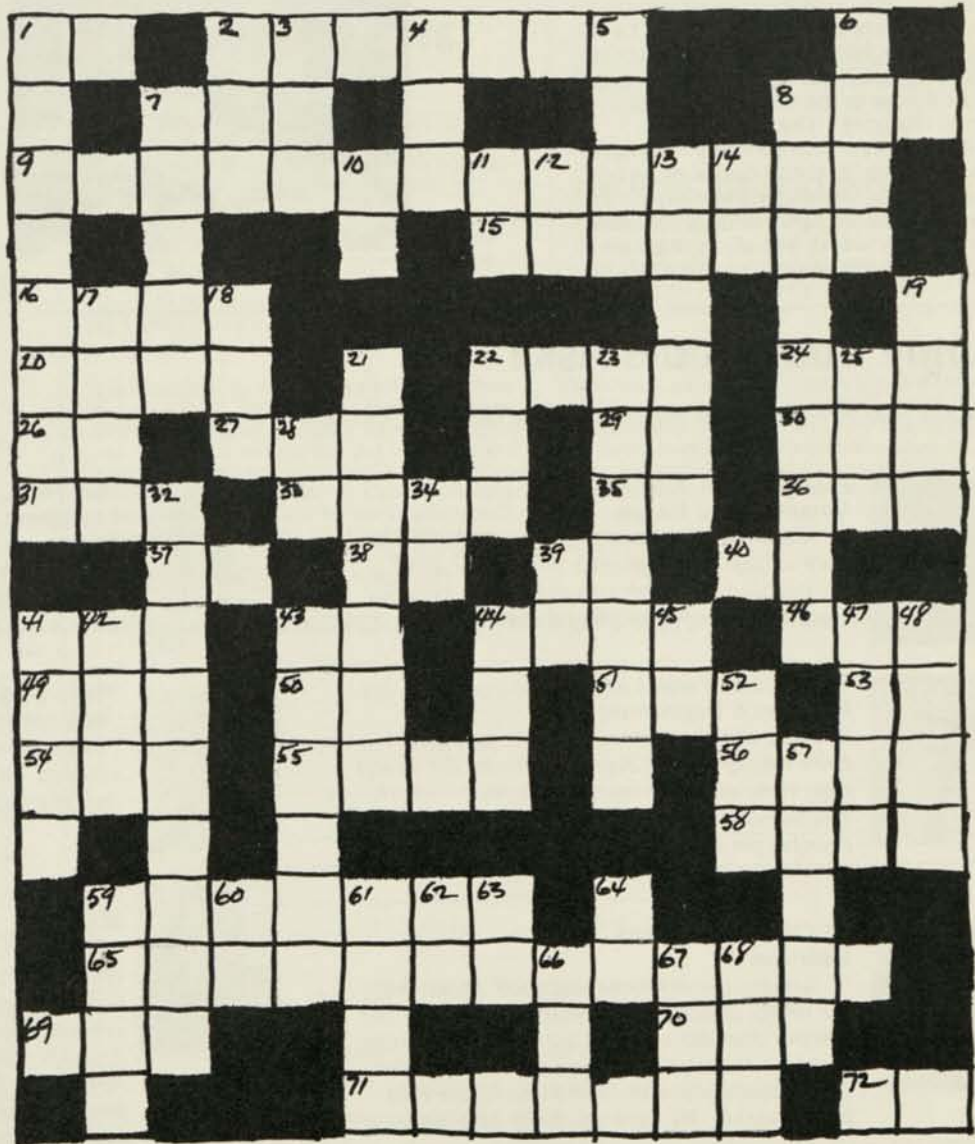
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DOWN

1. As Opposed to Integrated
2. Dual In-Line Package
3. Little Devil
4. Wayside Stop
5. Closed _____ Gain
6. Renounce
7. Fairchild Chief Executive
8. Respect
10. City R.R.
11. Luck (Scot.)
12. Competitor Linear Product Prefix
13. Fairchild Patented Process
14. 3.1416
17. Greek God of Love
18. The Lion
19. Joint
21. A Type of Palm Moisture (3 wds.)
22. Not In
23. Discharge Connector
25. Utilize
28. Picofarad
32. Characterization Variable
34. Silicon
39. _____ & Fro
41. Specific Transistor Group
42. Three
43. Far East Plant Location
44. A Memory
45. Thus
47. Circuit "Real Estate"
48. Camera Eye
52. Transistor Type
57. Ventilating Condition (2 wds.)
59. The abbreviation for Millisecond _____ (2 wds.)
60. Frequency Modulation
61. Fairchild Logic Family
62. Behold!
63. Tin
64. Greek Letter
66. Unit Being Tested
67. Radio Type
68. It Is (Poet.)

ACROSS

1. District Attorney
2. As Opposed to Analog
7. Personal Pronoun
8. Computer Manufacturer
9. Circuit Carrier
15. Increase
16. Not False
20. Sea Eagle
22. Heating Chamber
24. Production _____
26. _____ -66 or -92
27. Elect
29. Milliampere
30. Compass Point
31. Mental Telepathy
33. _____ A Closed Hand
35. Industrial Relations
36. Formerly
37. Radio Band
38. Third Diatonic Sound
39. T²
40. Semiconductor
41. Tree
43. Type of Palm
44. Decays
46. Emitter Coupled Logic
49. Electronic Industries Associati
50. Similarly
51. Period of Time
53. That Man
54. Man's Nickname
55. Thing
56. Unpleasant Sensation
58. Bites
59. The Sense of Touch does Wha (2 wds.)
65. Solid State Circuit
69. 1/1000 Roentgen (2 wds.)
70. Sorting _____
71. Pillagers
72. Near



The answers will be found in the next issue of MICROWIRE.

What's Cooking

TRADITIONAL THANKSGIVING DINNER

Submitted by
Marge Killian
Secretary - Equip. & Facilities

SALAD

Try this for variety - it's fun to make your own tossed salad right at the table. Serve a large bowl of shredded lettuce (two or three kinds). Pass a tray or lazy susan of marinated garbonza and kidney beans, marinated mushrooms, artichoke hearts, diced tomatoes, sliced radishes, filet anchovy, stuffed celery (small pieces), sliced cucumbers and onions in sour cream and a bowl of fresh shrimp. Serve two of your favorite salad dressings and toss right in your own plate.

Next the bird - Turkey, of course!

DRESSING

To your standard bread stuffing try these variations:

mix in some chopped mushroom or spinach and grated cheese, or ground pork sausage.

VEGETABLES

Mashed Potatoes - gravy (giblet, of course)

Sweet Potatoes - candied and topped with pineapple cubes and marshmallows, slide under the broiler for a few minutes till golden brown and bubbly.

Cauliflower (with cheese sauce for slim people).
String beans - tossed with butter (melted) and a dash of curry or dill seasoning.

Cranberry Sauce (try mashing a can of cranberry sauce with 3 or 4 tablespoons of HOT liquid mustard).

DESSERT

Pies (Pumpkin, Mince, etc.)

Fruit Cake

Flaming Pudding

For your whipped cream topping try:

a beaten egg yolk and 2 or 3 tablespoons of brandy mixed in or finely chopped candied ginger and a dash of nutmeg mixed in.

WINE

A bottle of Chablis or Very Cold Duck

Family, friends and love are the final ingredients added to make a very happy Thanksgiving!

MOD Secretary Goes MAD!

By Bonnie Lewis

When Bill Hare's secretary, Bonnie Lewis, both of Fairchild Microwave & Optoelectronics Division, started taking an interior design course in the evenings, things started changing. The most drastic change she made was to clean her boss's office, stating "Interior design at its best - neat." The transition was difficult at first (papers no longer being in the same place as they were), but all have gotten used to the arrangement and like it.



1. Before



2. After

Funny You Should Ask!!

What are your feelings toward the results of the California Election on November 3rd?



**Pete Jacobsen, Programmer
Computer Aid Design**

"I voted the peace and freedom platform and they all lost. I was mostly concerned with Proposition 18 which was defeated. Actually, I wasn't pleased with the outcome."



**Jack Funk, Project Engineer
Equipment Design**

"I was very pleased that there were no major occurrences of violence aimed at disrupting the elective process and that none of the candidates were jeopardized in any way."



**Ray Zenker, Project Engineer
Facilities & Engineering**

"I think the election results were just great! Even through these depressed times, the voters kept their cool and voted intelligently - not emotionally. I sincerely hope that the economy changes for the better before the presidential election or we may not be so wise."



**Floyd Feldman, Guard
Plant Security**

"I was happy to see the results in the California election. We need new people and new ideas to improve this state."



**Ed Chacon, Mail Clerk
Mailroom**

"I thought the outcome was good. I just hope the newly elected representatives shape up the campus disorder here in California. They must stand up to these kids who are causing unrest. They should also eliminate some of the bills being passed. We have too many of them as it is!"



**Geri Hadley, MOS-LSI
Marketing**

"The erratic election results indicate the mixed feelings which prevail today regarding the major economic and political issues. There was more cross party voting by the individual than usual. Possibly this indicates that the party lines do not reflect the moods and needs of our country and that the voter is now turning to the specific issues hoping to find the solution. Another problem will now arise - the lack of party unison among the various branches of the government which often leads to lack of action."

ODDS & ENDS

Ad copy should be submitted to the Leadwire Office on the forms provided for this purpose. Ad copy should be 25 words or less. Ads received by the 10th will appear in the mid-month edition; ads received by the 25th will appear in the month-end edition. Ads will appear only once; to renew ad, a new ad card must be submitted. Please use private outside phones in listings.

FOR SALE

1967 MUSTANG - AM radio plus FM stereo tape deck (4x8 track), 2 new tires (Goodyear poly.), 44,000 miles. Good gas mileage, very clean. Asking \$1297. Must sell. Call after 4 PM. Mirza, 226-2074.

1965 FORD GALAXIE - 2 door hardtop, with radio and heater and factory air, V-8 engine, 48,000 miles, excellent condition. Joe Demellopine, 247-4412.

1970 CHEVROLET CHEVELLE SS, 396 engine, air induction, mag. Asking \$2,718. Financing available. Bob Tobin, 962-2401.

1970 TOYOTA LANDCRUISER with 6,000 miles. Asking \$2,995. Ray Lomker, 657-6192.

1969 AUSTIN AMERICAN - R&H, \$1,285 or reasonable offer. Financing available. Bob Tobin, 962-2403.

1969 OPEL SPORT COUPE - R&H, \$925. Financing available. Bob Tobin, 962-2402.

1963 V.W. BUG - R&H, \$645. Financing available. Bob Tobin, 962-3340.

1955 CHEVROLET STATION WAGON - V-8, 3-speed with overdrive, new paint, chrome rims, rebuilt transmission. Asking \$125. Bev Pruitt, 248-6914.

MINK STOLE - pastel, cape style. Asking \$80. Rose Marie Schubert, 736-8286.

EARLY AMERICAN HIDEABED SOFA - stretch cover, wing back, two cushion, dark green with Early American print. Hardly used. Asking \$10. Gail Payne, 948-7741.

FOR RENT

CONDOMINIUM APARTMENT - unfurnished w/2 bdrms, 1 bath, fireplace, AEK, completely redecorated w/carpet & drapes, private garden/patio, swimming pool, rec center, carport. Available Nov. 15th for \$215 mo. with no lease required. Located 2 blks. south of Lawrence Expressway & 2 blks. west of El Camino in Sunnyvale. Mr. Lindquist, 367-2513. Evenings 341-9018.

SKI CABIN shares at North Shore Lake Tahoe, between Squaw Valley and Incline. \$135 per share for November 1st through April 15th - includes one guest. Sorry no children. Cabin sleeps 14. Pamela Robertson, 968-2247.

NEW CABIN AT SOUTH LAKE TAHOE - located in a picturesque wooded area, 5 mins. from casinos and beach areas. Has 3 bdrms, loft, fireplace, 1 bathroom w/tub & shower, built-in stove, and deck. Asking \$125/week plus \$25 cleaning deposit or \$75/weekend plus \$25 cleaning deposit. Ginny Harris, 377-1106.

25-FT. HOUSE CAR - for rent by the week or weekend. Fully self-contained. Sleeps six comfortably. Al Billheimer, 245-5040 (days) or 241-2868 (nights).

REAL ESTATE

TAKE OVER PAYMENTS on Spring Valley Lakes 1/4 acre lot. Near Clear Lake. Equity plus \$15 per mo. Ray Lomker, 657-0192.

BEAUTIFUL 1/2 ACRE OF LAND - away from high taxes and smog with paved roads, no assessments. Year-round prime residential corner lot. Diana Casey, 961-4465.

LITCHFIELD PARK, ARIZONA - 1 acre, 165' x 252' plus all utilities available except sewer. Asking \$3500. Chuck Schieszer, 969-2402.

Rec Council News

SPECIAL DISCOUNTS

Charles-Don Tires, Inc., in Redwood City is offering various discounts for Fairchild employees. Price sheets are located on all bulletin boards. Must present badge to obtain discount.

Sunlite Bakery is offering a 10% discount on all bakery goods with the presentation of a Fairchild badge. There are three locations in the Bay Area - 2239 Old Middlefield Way, Mt. View; 145 South Montgomery St., San Jose; and 1380 Industrial Way, San Carlos.

The success of making money is learning how to save it first! This is where Universal Shopper Discount Club, Inc. can help Fairchild employees. For a \$10 membership per year, you and your family can belong to the Universal Country Club and Park in Cupertino. Other benefits are monthly organized trips on weekends to such places as Reno, Tahoe, Las Vegas, etc.; year-round travel all over the world, saving members hundreds of dollars; receive a directory showing

Skiers Head for Europe. The Jetsetters at Fairchild are now announcing their forthcoming ski trip to Europe. The group is going to the resort of Cortina D' Ampezzo in northern Italy's Dolomite Mountains. The ski package includes: roundtrip jet flight from Los Angeles to Europe, roundtrip ground transportation from airport to hotel, seven nights lodging in first class hotels, breakfast, lunch and dinner for seven days and seven day ski lift tickets. Total cost for all that is only \$339.00 per person! The trip is 2-weeks long with the second week free for touring, sightseeing or additional skiing. Departure is Sat., January 16, 1971 and return Sun., January 31. For additional information and sign-up forms, contact Les Strahm at Ext. 2752. Cut-off date for signing up is Mon., January 4th.

To send flowers regarding any Fairchild employee hospitalized on in the even of death, contact Bev Pruitt on Ext. 2701.

FOR MORE INFORMATION

For information on all Rec Council activities, special events, clubs, discounts, etc., contact your Recreation Council Representative, Les Strahm (Ext. 2081), in Personnel Bldg. at Mountain View.

where your membership card is honored (over 300 businesses, restaurants, motels, stores, etc.) in Santa Clara County. Plus every two months, members receive a supplement issue showing all the new establishments and business services that are continually being added. For more information and applications, contact your Rec Council representative or Les Strahm on Ext. 2752.

THIS CAN BE YOUR PERMANENT WAY OF SHOPPING AND SAVING MONEY

U.S.D.C. Inc. Membership Application - 007

Please Print _____
 Name _____ Spouse _____
 Address _____
 City _____ State _____ Zip Code _____
 Date _____ Signature _____

MONEY BACK GUARANTEE

Mail Check to: Universal Shopper Discount Club, Inc.
 1799 Hamilton Ave., Suite 104
 San Jose, California 95125

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Finance and Marketing Win First Touch Football Game

Getting up early Saturday morning, facing bad weather, falling in mud, having a 250 pound tackle land on your leg — that is bravery!

These brave men represent four departments within Fairchild — Management Information, Hi Rel, Marketing, and Finance. These teams make up the first Fairchild Touch Football League under the guidance of **Bob Yribarren**, league president. The league is set up so each team plays six consecutive weeks on a rotating basis, which runs through December 12th at Slater Elementary School in Mountain View.

Opening the season on Saturday, October 31st, Marketing slid by M.I. 6-0 and Finance upset Hi Rel in the last quarter with **Gary Sutton** and **Ken Boucher** each making a touchdown (6 pts. for T.D. and no extra pts.) to make the final score 12-8.

SEASON SCHEDULE

Hi Rel vs. Marketing — November 7th — Finance vs. M.I.
Finance vs. Marketing — November 14th — Hi Rel vs. M.I.
Finance vs. Hi Rel — November 21st — Marketing vs. M.I.
Hi Rel vs. Marketing — December 5th — Finance vs. M.I.
Finance vs. Marketing — December 12 — Hi Rel vs. M.I.



Monday Bowling Standings

As of November 9th, first place ended up in a two-way tie between the Unemployed and the Screwballs winning twenty-seven out of thirty-six games. Following the tie in second place is the Unreliable Beavers winning twenty-four games.

In the Men's High Series standing, **Gary Tharp** pulled into first place with 588 points. Capturing second place was **Guy Kennedy's** 585 and **Neil Geer** was knocked back to third place with 582. For Women's High Series standing, **Ann Lima** took first place honors with a 536 and second place went to **Alberta Stidham** with 523. **Delores Cannon's** 522 put her back to third place.

Ray Wood jumped into first place for the Men's High Game standing with 233. **Larry Litherland** bowled a 223 for second place and one point behind Larry is **Dennis Lee**. **Lesley Jackson** continues to lead the Women's High Game standing with a 215. **Alberta Stidham** is one point behind first place and **Dixie Caito** moved back to third place with a 203.

To Your Health



By *O. Bruce Dickerson, M.D.*
Medical Director

CURE FOR A COMMON COLD? COMMON SENSE!

Is there a cure for the common cold?

Remember the old saying, "If you don't take anything for a cold it will last a week; if you do take medicines, it will last seven days!" Generally, most doctors agree with this.

A cold is an infection of the upper respiratory passages. The cold-causing virus, unlike bacteria, cannot be killed by antibiotics, which are used only in secondary complications such as sinusitis or bronchitis.

The best "cure" is to treat a cold symptomatically, which enables the patient to be more comfortable.

How do you alleviate these symptoms?

A cold lasts from three to seven days, during which the patient complains of a "runny nose," a sore throat, fatigue, a hacking cough and a general "run-down" feeling.

It is best to let yourself decide how active you wish to be, and which foods you wish to eat. However, you should increase your fluid intake to at least six to eight glasses of water a day to loosen congestion and to control body temperature.

If you own a humidifier, use it in your room at night, as this helps loosen respiratory secretions. Extra sleep and rest are important. If you smoke, give it up for the duration of the cold. And while you have achieved this milestone, why not forever?

What type of medication is the most effective?

Do not use nose drops at first. Later, when secretions have thickened, nose drops are often helpful if used sparingly (not more than 3-4 times a day). They relieve symptoms and promote sinus drainage.

Use a cough medicine, especially in the early stages when a dry, hacking cough, which is not productive of sputum, is present. Such coughs often interfere with sleep. Once the cough is loose and productive, a cough medicine should not be used. The quicker lung secretions are expelled, the better.

Aspirin has been found to be very helpful, and should be taken as needed to reduce temperature and promote a feeling of well-being. Throat lozenges and antihistamines are indicated in certain cases.

When should a doctor be called?

General guidelines of things you should look for and report to your doctor if they occur are: TEMPERATURE over 101° F; INCREASING PAIN in the throat, and appearance of WHITE or YELLOW SPOTS ON TONSILS or other parts of the throat; COUGH which produces thick yellow, green, or gray phlegm (sputum); SHAKING CHILLS; CHEST PAIN; SHORTNESS-OF-BREATH; EARACHE; pain over the SINUSES; and SKIN RASH.

Happy Turkey Day!

MICROWIRE

November, 1970, No. 1

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