

**Fund Results Down  
—But Still Good**

*Thanks to All Who Gave—*

Preliminary results of the plant-wide United Fund drive indicate a total below our goal—but still a very generous contribution. With all but a few vacationers contacted, pledges came to \$95,343.

The goal was \$120,000. Last year, local employees gave \$108,450. Some feel the sluggishness in the economy may have influenced the outcome this year.

From the United Fund and agencies, "thanks" to the hundreds of our employee givers.

**Hewlett Addresses  
Soviet Scientists**

*On the Role of Small Computers in Instrument Systems—*

An extensive tour of the Soviet Union by HP President *Bill Hewlett* in September was highlighted by a speech he delivered at the Institute of Automation and Electrometry at Novosibirsk.

The talk was given before the Conference on Automation of Scientific Researches on the Computer Base, sponsored by the Siberian Branch of the Academy of Science of the USSR.

In his speech, Hewlett described developments and trends in the role of small computers in instrument systems.

**CSC's United Fund Drive  
Over the Top**

*\$600 Better Than in 1969—*

"Help Shoot Down the Red Barron," the theme of Customer Service's 1970 United Fund campaign, helped CSC surpass their 1969 United Fund goal.

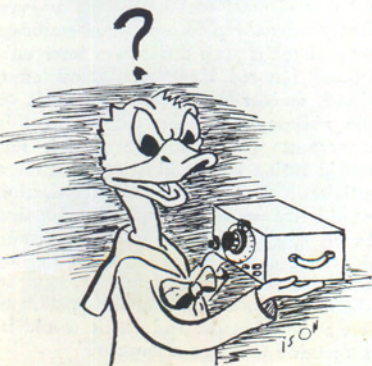
Under the competent leadership of CSC's United Fund dynamo—*Ron Stevenson*—and his band of workers—*Kathy Williams, Brenda LeBlanc and Sue Holden*—CSC contributed \$2,575.25, an improvement of \$600 over 1969! Participation was also up to 84 percent.

It was a wild dog-fight, with all the groups trying to be first to get the Red Barron, in their Sopwith Camels (see photos). At the finish, the 100 percent Aces were:

Corporate / New Product Support, *Chuck Ernst/Bob Littlefield*; Finance, *Frank Musso*; Receiving, *Bill Stokes*; Counters, *Sam Gromley*; Export O/P, *Tom Cox*; Swing Shift Repair, *Jay Davis*; Shipping, *Jim Scott*; Stockroom, *Paul Janowski*; and Medical/Waveguide, *Jack DeBoer/Joe Corege*.

The victors were presented with "Ace Awards" on Thursday, October 29. CSC's "hats are off" for everyone who gave to the United Fund campaign, and especially to *Ron Stevenson* and *Budd Cady* for making it such a fun one, at that!

**Remember When?**



**HP Announces  
New Plant Site**

*Near Grenoble, "Olympic Village"—*

Hewlett-Packard has announced plans (subject to approval by the French Ministry of Finance) to establish a manufacturing operation in Grenoble, France.

The company intends to purchase a 45-acre site from the city of Grenoble and to gradually develop it into a major manufacturing and research facility. The first unit is expected to be a 65,000-square-foot plant employing about 300 people.

President *Bill Hewlett* said no construction schedules have been set, but he expects the first unit to be built within the next two years.

"Our long-range plans call for a complex of some 600,000 square feet that will eventually employ up to 3,000 people. This will be accomplished slowly, however, with plant additions being made only as they are needed."

*Site of Winter Olympics—*

Grenoble, in southeastern France, is one of the country's principal cities, with a population of some 250,000. It was the site of the 1968 Winter Olympic Games and the land to be purchased by Hewlett-Packard is adjacent to the Olympic Village.

"Grenoble is a most attractive area," Hewlett said, "and one that offers a number of advantages to us as a research and manufacturing site. It has a distinguished university, one that is particularly noted for its training of engineers and scientists. The city is also less than 100 miles from Geneva, Switzerland, where our company has its European headquarters.

*European Sales Close to \$100 Million Annually—*

"Our decision to acquire a third manufacturing site in Europe is dictated by the substantial, continuing growth of our European markets," Hewlett said. "European sales have more than doubled in the past three years and now amount to nearly \$100 million annually. France, with its broad technological and industrial base, has been a major contributor to this growth."

Hewlett indicated that the new facility, when fully operational, would produce a broad range of products, primarily for HP customers in the Common Market countries.

**Page Mill Signal Lights  
Victim of Parts Delay**

*Electronic Controls Villain—*

Jim Potts, Santa Clara County Director of Public Works, in response to a WATT'S CURRENT query as to the reason for delay in activating the traffic signal lights on Page Mill Road, stated the subcontractor is still awaiting delivery of vital electronic components.

Otherwise, all systems are "go," but the delay may be a matter of days or weeks. The prime contractor for the project is exerting all the pressure he can, as he is under penalty for failure of completion—which was August 1.

**Do you have  
someone to answer  
your telephone and  
take messages in  
your absence?**

**Federal Credit Union  
Insurance Approved**

*By AL DOSSOLA*

*Effective January '71—*

A bill was passed by Congress and approved by President Nixon in October, 1970, providing mandatory savings insurance for federal credit unions. This means that members of the HP Employees Federal Credit Union will have their savings insured for amounts up to \$20,000 by an agency of the federal government. Effective date of the savings insurance is now tentatively scheduled for January 4, 1971.

The risk involved in saving through a credit union for the nearly 22 million credit union members in the U.S. has always been minimal. Nevertheless, the new law gives credit union members the same protection that bank depositors have had since the 1930s. The maximum of \$20,000 savings insurance per credit union member is the same limit as now applies to accounts in banks and savings and loan associations.

Of course, the cost of the savings insurance program must be borne by the many federal credit unions. The cost to the HP Credit Union for the 1971 calendar year will be approximately \$335. This added expense will reduce slightly the amount of money that would otherwise be available as dividends to member savers.

*Many Protective Controls—*

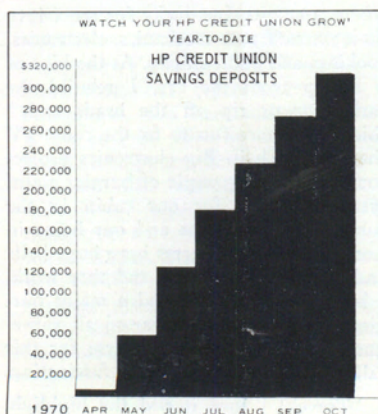
The federal savings insurance supplements the many other controls in effect to protect the savings of HP Credit Union members. For example, employees of the HP Credit Union are bonded for \$1 million. When savings deposits ultimately exceed \$1 million, the amount of the bond will be increased accordingly.

A federal credit union is also examined annually by a federal credit union examiner. This unannounced audit can come at any time during the year. Your HP Credit Union was examined on July 15 and 16, with no discrepancies noted.

In addition, a Supervisory Committee appointed by the HP Credit Union's Board of Directors will make periodic examinations of the books. Chairman of the Supervisory Committee is *Dick Wilson* of Corporate Finance.

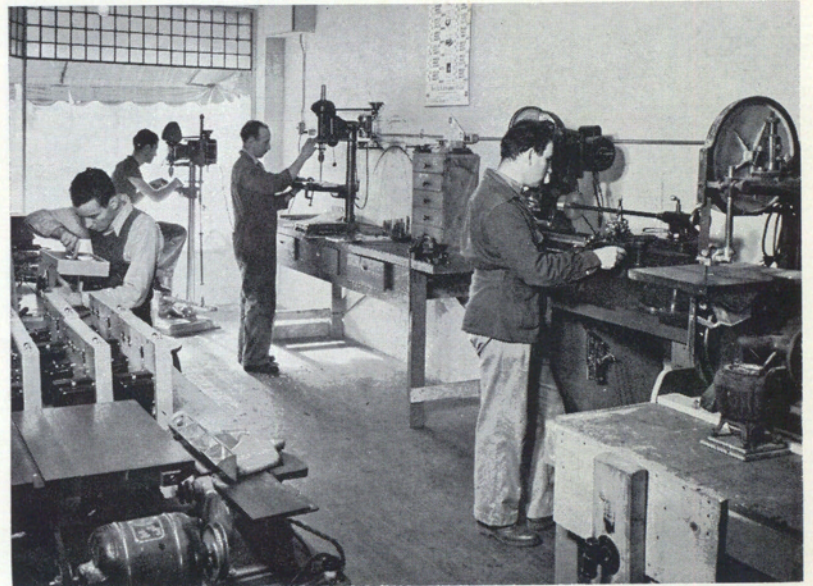
Finally, the underlying stability of a credit union is often reflected in the type of membership that it services. Hewlett-Packard Company, with its highly regarded employees and below-average turnover rate, compares favorably with many other companies where healthy credit unions thrive and grow. It follows that loans made to the employees of Hewlett-Packard should, on an overall basis, be good loans and the risk of bad loan losses kept to a minimum.

Why not start to save now through your HP Credit Union? It's surprising how quickly savings will build up.



Inflation: When those who saved for a rainy day get soaked.

**HP HISTORIC PHOTO SERIES**



NOT MANY HP'ITES can remember back to circa '41 when the Tinker Bell building (now Polly & Jake's) on El Camino Real in Palo Alto housed HP's machine shop. This marked DAVE and BILL's first expansion from the one-car garage at 367 Addison Avenue. In photo above, left to right, may be seen old-timers: GLENN ZIEBER, AL SPEAR, JOHN TERRY, and HARVEY ZIEBER ("Z"—HP's first employee). We could mention a certain chuck-key episode involving Bill Hewlett on the drill press next to the window, but Bill can tell it better than we.



EARLY-DAY HP'ITES playing around with Doppler effect, proving that if the source and observer are drawing closer together, the frequency is increased. From this old physics book classic by Austrian mathematician and physicist, Christian Doppler (1803-1853), the modern speed trap has resulted. (If Christian were alive today, he might have regretted his discovery.) Do you recognize, left to right: FRANK CAVIER, PHIL HAND, HOWIE ZIEDLER, ED PORTER, (unidentified), TOM EBERHARDE (Navy Inspector), BRUCE WHOLEY, BILL BIGLER, ART FONG, NOEL ELDRID, and RAY DEMERE. Location: intersection of Pepper and Ash by the Quonset Hut.

**Hewlett-Packard 1971 Holiday Schedule**

*Bet You Thought George's Birthday Was the 22nd:—*

New Year's Day	Friday	January 1, 1971
Washington's Birthday	Monday	*February 15, 1971
Good Friday	Friday	April 9, 1971
Memorial Day	Monday	May 31, 1971 (Holiday falls on Sunday)
Independence Day	Monday	July 5, 1971 (Holiday falls on Sunday)
Labor Day	Monday	September 6, 1971
Floating Holiday	(To be determined)	
Thanksgiving Day	Thursday	November 25, 1971
Day after Thanksgiving	Friday	November 26, 1971
Christmas Day	Friday	December 24, 1971 (Holiday falls on Saturday)

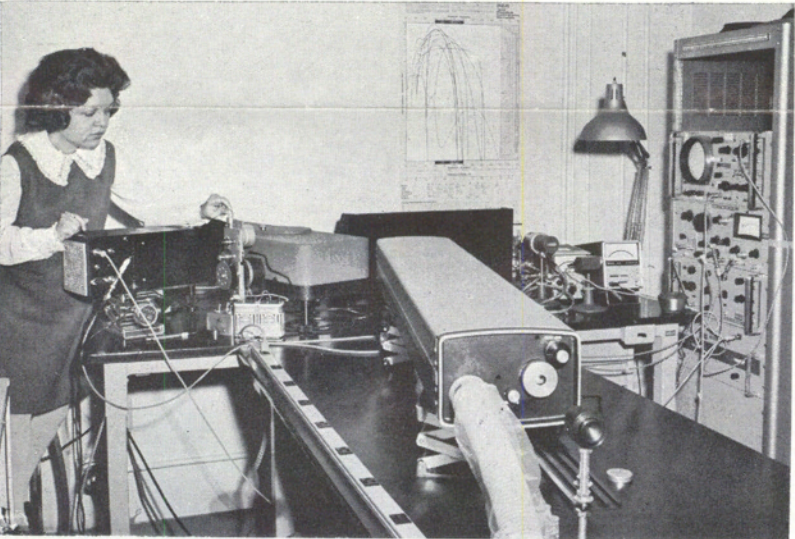
\* HP is going along with the date selected by federal and state laws; i.e., the third Monday of February for Washington's Birthday holiday.



JANE EVANS, product manager for software data acquisition systems at AMD.



MARGARET LOUISE MARSDEN, research engineer in Paul Stoff's Electronics Research Laboratory.



DARYL ANN DOANE, HP staff scientist in the Solid-State Laboratory.



PICTURED IS DOREEN MORRIS, Ralph Lee's secretary, seated at the newly introduced system desk, Model 11163A. Doreen and Ralph received the first pilot run unit from the Components group of the Manufacturing Division. The new system desk was designed by corporate Industrial Design and is being produced and marketed by the Manufacturing Division. Its principal use is with Loveland's calculator, card reader, and memory extender, along with San Diego's X-Y recorder; however, many other applications are possible. This 11163A system desk is the first of a family of instrument support and display products to be introduced in the near future.

## Women's Liberation at HP

By TERRY INOUE

*A Long-time Company Policy —*

In recent months, the Women's Liberation Front has voiced its protest all over the U.S. Here at Hewlett-Packard in the engineering and science field, HP has long been a forerunner in that it has always employed women who are qualified for a specific discipline.

Industry is concerned with who is the best qualified for the jobs that are open, and who can contribute most in terms of dollars and cents. If there is a woman who can qualify for the job, she is hired.

This month we would like to introduce three lovely ladies and the high caliber of qualities they possess which HP sought in hiring them. They are *Jane Evans* of Automatic Measurement Division, *Margaret Louise Marsden* of Electronics Research Laboratory, and *Daryl Ann Doane* of the Solid-State Laboratory.

JANE EVANS is product manager for software data acquisition systems at AMD (Bldg. 8U). When asked to describe a little of her past, she told it like this:

"When John and I discovered California, he joined Lockheed's Research Laboratory as a senior scientist and I returned to school, earned my BSEE at San Jose State, made Tau Beta Pi, and came to work at a remarkable company called Hewlett-Packard. My first HP job—in F&T marketing—was to turn out Application Note 52, 'Frequency & Time Standards.' In the process I developed a tremendous interest in quartz crystals, cesium beams, and the unique instruments HP makes for microsecond time-keeping. When the nuclear instruments group started, I returned to a field where I had considerable experience earlier, and became manager for advertising, sales promotion, and training. Multichannel analyzers then led to computers and my present job.

"I had first been introduced to radioactive nuclei at Los Alamos, where I was a research assistant for the University of California. I had my solutions of plutonium, neptunium, and uranium, and John had his neutrons from the reactor everyone liked to call the 'water boiler.' We enjoyed our years at the mile-high atomic city in New Mexico.

"On the Snake River plains of Idaho, we learned to fish and I finally caught some pan-sized trout (small pan). There we worked at the National Reactor Testing Station, where John had lots of neutrons from the world's most powerful reactor and I was head of technical publications for a contractor to the U.S. Atomic Energy Commission. That gave me the chance I had been looking for—to develop as a supervisor and manager.

"One vivid memory of my first job is a window-shattering explosion that scared the goggles and rubber apron right off Union Carbide's youngest chemist. With my Rice University diploma in hand, I had thought myself ready for anything, but this turned out to be the Texas City disaster. Back to the workbench for another try.

"The next major event in my life was of a happier sort. John and I were married just as soon as he completed his Ph.D. in physics at Rice.

"Hobbies? I've never had time for leisure pursuits, but lucky for me I love do-it-yourself auto mechanics, electronics, cooking, and photography. At the hint of a hiccup from the car, I rebuild the carburetor or rip off the heads and I think it is more fun to fix the color TV than to watch it. Big electronics project for this year is a couple of burglar alarm systems I built for our cabin in the Santa Cruz mountains and our home in Los Altos. These systems have huge bells and auxiliary dc power, and they work. I built them after we had a major burglary and they have thwarted all subsequent tries. My evening course for this fall is economics—perfectly fascinating.

"Travel? I love it and the highlight of all was a trip to the Middle East and Africa with the HP plane. I've always been proud to be associated with HP,



PUTTING UP CSC final results of the dogfight with the Red Barron (?) is KATHY WILLIAMS and BRENDA LeBLANC (standing). Watching intently during this moment are: LOUIE ALMENDAREZ, SAM GROMLEY, JOE COREGE, SHIRLEY RUCK, JAY DAVIS, PAUL JANOWSKI, and RON STEVENSON.

and never more so than when I watched our DC-6 land in Teheran and someone who saw its insignia for the first time said, 'What country is that?'

Concerning Womens' Liberation, Jane said: "My hope for the future is a society where each person can contribute his, or her, something of value without having to waste any life force overcoming prejudice."

MARGARET LOUISE MARSDEN is a new research engineer in Paul Stoff's Electronics Research Laboratory. Strongly influenced by her husband, Douglas, a management consultant, she decided upon her present career of electrical engineering research.

Margaret was born in San Antonio, Texas; eloped to Asheville, North Carolina; and attended the University of Minnesota (her husband's home state) where she obtained a Bachelor of Science degree with distinction in electrical engineering in three years.

At the University of Minnesota she participated in the Electrical Engineering Honors Program, where her research project was in plasma physics. As an undergraduate she was president of the Minnesota Alpha chapter of Tau Beta Pi (the first woman president in Tau Beta Pi's history), and secretary of the Minnesota Omicron chapter of Eta Kappa Nu. Currently she is participating in the Stanford-HP Honors Program, working toward her Master's degree in E.E.

When asked her non-academic interests, she listed: "Outdoors, animals, and travel, not necessarily in that order. Specifically, I've enjoyed mountain climbing (small mountains); hope eventually to own sufficient land to raise otters and wombats (plus miscellaneous others); and have been fortunate in being able to travel through and/or live for a time in 26 countries.

"Regarding the Womens' Liberation movement, my feelings are that given comparable cross-sections of men and of women, innate intellectual abilities will be equal. The state of acceptance of this fact differs among occupations, and in some positions other considerations—as, say, physical or emotional differences—are of paramount importance. Realizing these job differences and speaking only from personal experience, I believe given equal qualifications, as evaluated by competent people, men and women are given equal opportunity. Though exceptions can be cited, organizations and/or people who are hiring are interested in the individual best qualified to fulfill the open position's demands."

On her reaction to HP Electronics Research Lab: "Under Paul Stoff's tutelage, an exciting creative atmosphere of discovery has been blended with the purposefulness of a glacier to provide both meaningful individual fulfillment and a plus on the HP annual report."

DARYL ANN DOANE is a staff scientist in the Solid-State Laboratory. Working in Bob Burmeister's Materials Research group, she is responsible for the project concerned with the optical prop-

erties of gallium indium phosphide, and the use of the material for the fabrication of light-emitting diodes in various colors!

Daryl has had an interest in the scientific field since high school, from which she was graduated at the tender age of 15. She did undergraduate majors in chemistry and physics, and earned her B.A. degree with distinction in both, which she obtained in only three years. She also has an M.A. in chemistry and an M.S. in solid-state physics/materials science from M.I.T.

Her hobbies include cooking and the study and collecting of early American furniture, genuine antiques, and authentic reproductions. She also loves to travel; while in school, Daryl spent her summers working in several parts of the U.S. and Europe.

Daryl is married to John Doane, a Ph.D. electrical engineer also from M.I.T. With her duties as a wife and as a scientist, she still finds time to help others in need by becoming involved in the work of the U.S. branch of an international charitable organization which seeks to bring relief to people in Communist-controlled areas, who suffer by imprisonment and torture because of their religious beliefs. This organization is supported through the contributions of millions of people here and abroad.

"Depends on What Is Meant by Women's Liberation"—

When asked whether or not she was in favor of the Womens' Liberation Movement, Daryl replied, "That depends on what you mean by women's liberation. If by women's liberation you mean a 'liberation' which would assure equal opportunity for women in situations where women are equally qualified, then yes, indeed, I am in favor of this 'liberation.' On the whole, however—at least in the scientific professions (the area in which I would be qualified to speak)—I believe this type of 'liberation' exists. There are always some exceptions, of course, but generally speaking, where women are the most qualified for a given academic or industrial position, in competition for it, there will be opportunity for them to attain such a position.

"On the other hand, if by 'liberation' you mean an equality of the sexes, then I am not in favor of such a movement and further I doubt that such an equality could ever be accomplished. There are fundamental, immutable differences between men and women, divinely instituted, and mere social pressure or even Congressional legislation cannot eradicate them. Even if such differences were universally ignored, the psychological, emotional, and/or social problems basic to the philosophy of the women in this movement would not be solved, nor would such a loss of identity bring them satisfaction. That this dissatisfaction would remain follows from the fact that by giving women equality with men, one does not erase the basic differences of their nature. If one were successful in the attempt to change the basic nature of a woman, then the end result would be something less than a woman!"

# ...about

By GEORGE CLIMO

## A Gift Suggestion—

With the year-end fast approaching, 'tis time to be thinking of how to increase your tax-deductible contributions. Hopefully, you did your fair share last month for the United Fund. Another excellent way is a gift to a college of your choice through the HP Funds Matching Program. Although the program is directed mainly to our college graduates, the gift of any regular full-time employee will qualify. At this time of year we get a number of queries on this program.

**Question:** How do I go about making a contribution under the Funds Matching Program?

**Answer:** Your Personnel department has a card that you mail with your donation to the college. Instructions are included on the form. Call Extension 2820 if you want a copy.

**My school has its bi-monthly fund drive in the spring, and I sent a check last May. I'm a sucker for those postpaid return envelopes. Is there any way now that I can apply for the HP matching contribution?**

Send Personnel (3U) your cancelled check, receipt, or the "thank you" note from the dean, and we will record your contribution and match the amount.

**I never went to no college, but in my heart I know they're all right. Now my daughter Bernice is in college and I would like to donate to her alma mother. Will HP match my gift?**

Sure, if it's a four year college or university.

**I went to school in South America. Will HP match a gift to Uruguay U.?**

Sorry—the program is limited to schools within the United States.

**The Sigma Nu-ers will include my name on a plaque over the fireplace if I contribute significantly to their new building fund. Will HP match my donation?**

No fraternities; only direct gifts to the college. However, we certainly would not discourage your help to the old school club.

Although our friends at General Electric are credited with initiating this form of college support in 1955, our program began informally that same year. At that time our Public Relations department was smaller than theirs. As with GE, this is an especially appropriate program for our Company. You may argue with some of the campus happenings, but there is no doubt about the continuing financial need.

Remember that income tax rates went down last July, so your gift will go a little further this year!

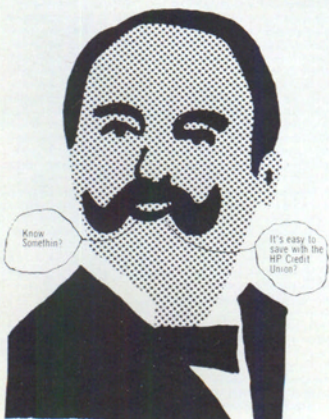
\* \* \*

Doubt is not necessarily the mark of a pessimist or a cynic. Some of the happiest and gayest men are first-class doubters. They are distinguished because they have the courage to face facts.

—WILLIAM FEATHER

## A HP CREDIT UNION SUGGESTION.

Are you saving ahead?



Property taxes are due December 10 and April 10.

## News Intercontinental

By PAT CHRISTOFFERSON (Bldg. 16)

### Oliver Off to Montreal—

The month of October was spent bidding "farewell" to many of our long-time friends here in Intercon. *Les Oliver*, who transferred to HP Canada to become Business Manager, and his wife were honored at a cocktail party at Pieracci's in Los Altos. Many of Les' friends were there to give him a warm send-off. He was presented with several applicable gifts to help him adjust to the Canadian climate, along with a symbolic picture from the girls in Intercon immortalizing the milk of human kindness and the devotion of his rear echelon.

We barely had time to recover from Les' leaving, before it was time to say "good-bye" to *Alfonso Pereyra*, who transferred to HP Venezuela, and *Alfredo Thein*, who journeyed to HP Mexico. They were honored, along with their wives, at a luncheon at the Velvet Turtle in Menlo Park. Alfredo was gifted with a desk clock and calendar to help him keep his appointments! And since it was felt that Alfonso would need some assistance in writing up all the new orders that will be coming in from Venezuela, he was given a desk set.

Next we bid "farewell" to *Becky Pena*, who left us to work for Lee Vale in Cupertino Division. And much to the vexation of some of our employees, *Marsha Moberg*, our mail clerk, decided to retire.

It was a sad day for the Data Products and Calculator groups when *Kathy Lambright* decided to accept a position with another company. Kathy was given a send-off at Pieracci's by her friends, who will not only remember her as an excellent secretary, but also for her pioneering regarding dress lengths.

*Ann Short's* laughter will long be remembered in Intercon. Ann retired to a cattle ranch outside Sumner, Texas (which is outside of Paris, Texas). Sumner consists of one gas pump, a post office, and a place to buy feed for cattle. Ann's work in International, on the Canadian desk, has been invaluable for the last ten years, and her absence will be felt in our Canadian office as well as here. She was given a going-away party at *Roberta Wilson's* home and presented with a pair of personalized coveralls from her co-workers.

### Welcome Aboard!—

*Bob Brannon* came on board October 5 and is working for Dave Wilkinson as Systems Specialist. Bob is concerned with supporting HP Systems activity in the Intercon Sales Region. He has a degree in electrical engineering, as well as his Master's. He was in the Peace Corps in Peru and taught engineering at the Catholic University in Lima for two years.

*Delores Lawson* transferred from Santa Clara Division to replace *Marsha Moberg* in the mail-room . . . *Ampy Soriano*, now working for Bob Turner and *Dave Wilkinson*, replaces *Kathy Lambright*. Ampy was order coordinator for India in HP AAA . . . I have been negligent in mentioning the fact that *Verdell Van Bergen* transferred from Neely Palo Alto to the quotes group in HP AAA; is all forgiven now, Verdell?

### Down Under Visit—

*Sharon Butterfield*, order coordinator for HP AAA, was presented with an honorary pass from Qantas Airlines in honor of its inaugural flight to Melbourne, Australia. Sharon has handled the Australian desk for International for the past eight years and the trip gave her the opportunity to become acquainted with many of the people she has dealt with over the years; socially, as well as at work. Sharon spent three days in the office looking over their operation and proposing ideas for a new system.

Business was also mixed with pleasure and one of the highlights was HP Australia's first annual picnic, where Sharon was presented with a large stuffed kangaroo with a baby in its pouch. She also took in some sightseeing, toured the Healsville Sanctuary for Australian animals, and also had the opportunity to tour Sydney and to take the ferry across the Sydney Harbor to Manly.

All in all, Sharon had a busy two

## Do You Really Listen?

For about seven-tenths of his waking day, the average person is involved in some form of verbal communication. Nearly half that time, he is on the listening end. Unfortunately, according to Dr. Robert Haakenson, very little of what we hear is lastingly recorded.

Within 24 hours, the community relations expert says, we forget 50 percent of what we heard. Another 25 percent is erased in the next two weeks. In short, we lose three-fourths of what we hear.

The biggest reason for our forgetfulness is poor reception. Our listening speed is approximately four times as fast as words are spoken. So we habitually "think ahead" of the speaker and are inclined to stop listening while our subconscious waits for him to catch up. What he says in such lapses is bound to make little impression—but it could be most important.

When you feel your attention is flagging, remember the old warning: "Stop, Look and Listen!"



weeks in Australia and brought home many fond memories of her stay.

### Do You Know the Way?—

While touring Kruger National Park in South Africa recently, *Lee Seligson* found himself in the position of tour guide rather than tourist, when the woman guide who was driving the Volkswagen bus in which he and six other passengers were riding got bogged down in soft dirt and was unable to get herself out of the predicament. Since there was a language barrier between Lee and the guide, she settled down to visit two elderly couples from Brazil while he conducted the rest of the tour (after getting them out of the dirt) with no reduction in fare . . . Lee also reported that while he was in Europe, the hijacking of the 747 took place and due to this he was subjected to a thorough search before being allowed to board his flight. This will probably become a much more common occurrence to our people traveling abroad, since hijacking of planes is increasing.

*Gulab Ramchandani*, Western Region Director for Blue Star Ltd. in Bombay, our distributor in India, is here for a one-week visit with his wife, Ratna. He began his Hewlett-Packard visit at MED in Waltham, Mass., stopping at Loveland and Colorado Springs before coming to Palo Alto. Mr. Ramchandani has spent his time becoming familiar with HP and has been sitting in with HPIC, as well as with other divisions, to discuss the intricacies of International trade between the U.S. and India.

*Horacio Grossman*, HP Argentina, is at Cupertino Division for extensive training as data products systems analyst.

*Horace Yalung*, Vice President of Electromex, our representative in the Philippines, was here visiting recently. While in Palo Alto he wore the traditional Philippine barong (not to be confused with sarong), which is an embroidered shirt made of very fine transparent material, worn because of the warm climate. Yalung was here to meet with HPIC Product Area processing and business operations people. He visited Neely Palo Alto and attended intensive briefings on medical equipment with *Jose Hernandez* of Corporate Training.

Motto for driving: "Better ten minutes late in this life than ten minutes early in the next."



Redwood City Tribune photo

**CALVIN GIBSON**, of 2L Paint Shop, demonstrates his invention of a gravity-balanced wheelbarrow that permits dumping 1,000 pounds with a handpull of only 20 pounds. Calvin has come a long way since tragedy struck in HP's Die Cast Shop on the morning of August 7, 1969, when Cal, on the graveyard shift, lost his right arm after it was crushed in a 50-ton hydraulic press. Calvin, a man with an inventive mind, has used adversity as a means to accomplishment.

A few years back, while working in a Northwest feed mill, Cal threw his back out of whack by pushing a heavy wheelbarrow. He reasoned there must be a better way to move heavy loads, so he got busy and invented this new type of wheelbarrow, which he has since patented. The wheelbarrow is unique because it is gravity-balanced, Gibson explained, and the wheelbarrow won't shift or tilt if the load gets out of place.

Gibson has managed to obtain the technical education needed to bring his invention to reality while working and keeping up with a wife and 10 children. In the meantime, he's been meeting with Peninsula manufacturers to see how much it would cost to produce the wheelbarrow. A San Francisco distributor is willing to take it on, and has predicted it could "sell at the right price." But the "right price" is around \$17 retail, and Calvin hasn't been able to get a cost-of-manufacturing figure low enough to make that profitable.

## HP Introduces Optical Power Meter at 1970 Electro-Optics Show in New York

8330A/8334A Also Featured—

One of the most promising new product areas for HP is electronic instrumentation for the measurement of light. This was demonstrated again by the enthusiasm shown for HP products at the 1970 Electro-Optical Systems Conference held in New York, September 22-24.

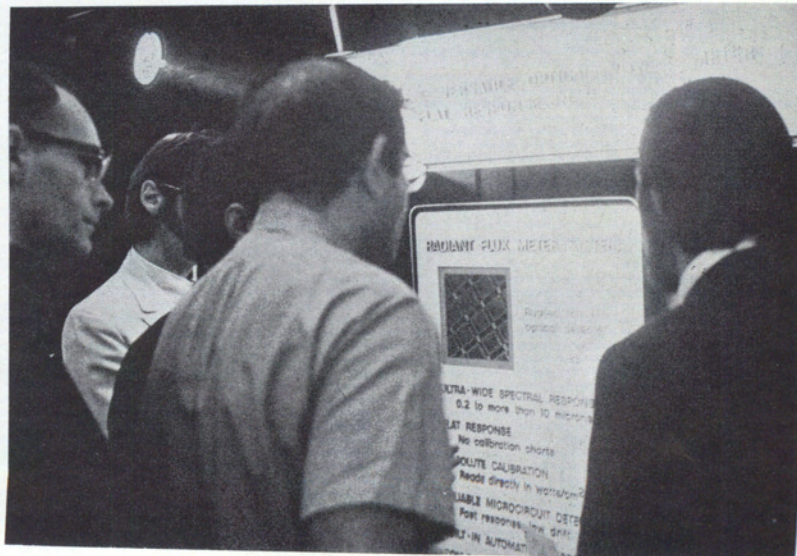
More than 11,000 people attended the three-day show, visiting exhibits from more than 300 domestic and international companies.

A highlight of the HP booth was the exciting, new 8330A/8334A Radiant Flux Meter. This instrument measures radiated power in the infrared, visible, and ultraviolet regions of the spectrum. It is used in a wide variety of applications in electro-optics, process control, and chemical analysis. This was the first public showing of the instrument.

The 9100B/9120/9125 Computing Calculator/Printer/Plotter was shown with software to solve a number of optical design problems.

HPA's new monolithic LED displays were exhibited along with other optoelectronic components of interest to optical researchers and designers.

Exhibit personnel included *Charles Hicks* and *Mike Mellon* from Scientific Instruments Division; *Homer Russell* from Loveland Calculator Division; and *Harvey Gold* from HPA. Eastern Sales Region personnel also participated, including *Mike Sisavie*, *Mike Teitelbaum*, and others.



A DISPLAY that attracted considerable interest was the 8330A/8334A Radiant Flux Meter System, HP's first entry into the electro-optical instrument field. (Please see article above.)

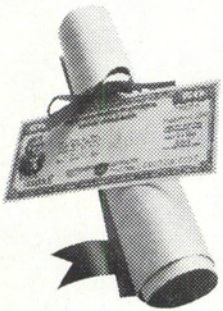
## NOTICE

On or about February 1, 1971, the telephone number of HP Stanford Plant, at 1501 Page Mill Road in Palo Alto, will be (415) 493-1501.

The telephone number for Buildings 10 and 11 will change about July 1, 1971, to (415) 493-1212.

May we suggest to those involved to please take care to not over-order supplies with present telephone numbers which will soon be out-dated.

## Education Foundation.



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## Harmony Plotter News

By MICKEY LEONARD

### A Day at the Ranch—

On Sunday, October 18, approximately 1,000 HPites spent the day at Bill and Dave's San Felipe Ranch.

San Felipe is a working ranch where registered and commercial grade Hereford cattle are raised. At present, there are over 1,500 head of cattle on the ranch which contains about 24,000 acres.

This year, as in the past, *Bill Hewlett* most graciously offered the Harmony Plotters full use of the ranch facilities for their annual picnic. San Felipe is about a 40-minute drive from the Santa Clara plant, where the buses were loaded. The small children were given a surprise package (crayons, color book, and a toy) to keep them occupied during the ride.

Mr. Hewlett began the day at the ranch with a few words of welcome. Activities for the day included four puppet shows, a penny hunt (for children under six), hayrides, volleyball, horseshoes, and dancing to the music of Red Murrell.

Luncheon consisted of steak, hamburgers, salad, bar-b-q beans and french rolls. Of course, if lunch didn't fill one up, there was also popcorn, ice cream, and sno-cones and, last—but not least by any means—beer and soft drinks were served.

Many thanks to all the people who volunteered their services and worked so hard to make the picnic once again a huge success.

A special "Thank You" to Mr. Hewlett for once again giving us the opportunity to "spend a day at San Felipe."



THE SAN FELIPE PICNIC, held Sunday, October 18, was a gala event. The buses left Santa Clara at 9 a.m. and the picnic began at 11 with a speech by BILL HEWLETT. Some of the activities included a hayride, puppet show, penny hunt, and dancing to the music of Red Murrell.

Photo by Moe Morris



DEADLINE—OCTOBER 15! And the first 8543A Automatic Network Analyzer was ready for shipment—on target—to our Frankfurt, Germany, sales office for display at a large European electronics show. The much-relieved project team members are (left to right): JOE MELLO, BOB PERDRIAU, PHIL SPOHN, RICH BAUHAUS, GEORGE COURREGES, ROD JUNCKER, DOUG RYTTING, STEVE SANDERS, JOHN MARSHALL, BILL BOWMAN, EARLE ELLIS, HERB PARDULA, DAVE HALL, JERRY MANOCK, and LINDA SUNSERI. Congratulations to everyone!

## WATT'S CURRENT

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NO, THAT IS NOT SUPERMAN! It is RICH GOODELL of HP Labs spreading the waves in a glorious burst of bubbles while water skiing at Lake of the Pines. RICH MARCONI of Physical Electronics Lab captured the action shot with a telephoto lens.



PEOPLE IN Bldg. 7B recently rendered MYRTLE McCLINTOCK a party to celebrate her 26th anniversary at HP. Myrtle has the distinction of having the title of the "employee with the oldest hired-in date," an honor bestowed on her by Bill Hewlett last year upon presentation of her 25-year pin. The girls in Cables and Coil Winding presented her with 26 red roses—to denote their admiration for her—and a cake from everyone.



MYRT proudly listens to high praise delivered by LARRY DASSOU (AMD Manufacturing Manager) as JOSE MORAN, BILL HEVERMAN, SHERRY JORGENSON, BERT HAWKS, and LOUIS CORTEZ look on in background.

