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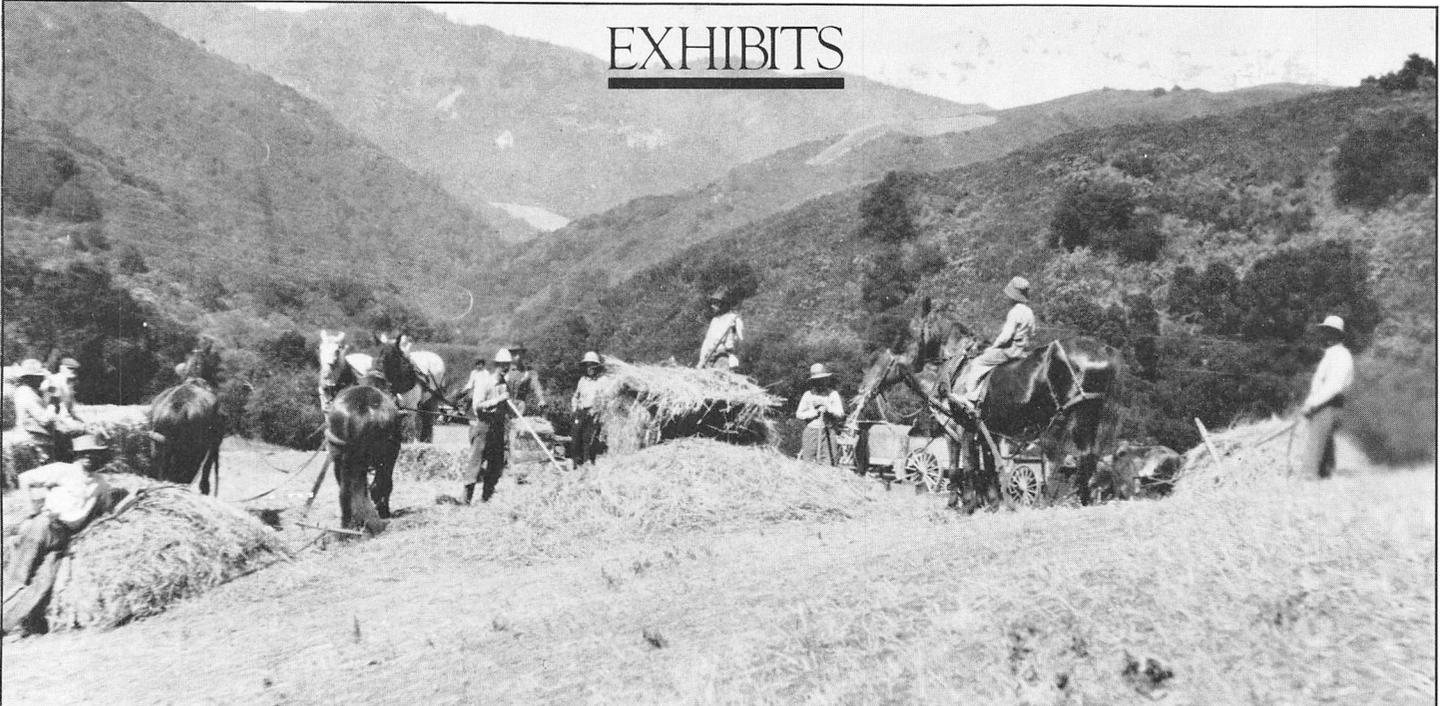
CALIFORNIA THE ORNIAN

Magazine of the California History Center Foundation, DeAnza College



Silicon transforms the "Valley of Heart's Delight"

EXHIBITS



Now part of the Midpeninsula Regional Open Space District, this land used to be part of the Garrod Ranch in the Saratoga Foothills. Photo taken 1917, courtesy of Vince Garrod.

Land Conservation in Santa Cruz Mountains & Foothills

Our Home

We exist only by grace of our home - the biosphere. Today our increasing populations, our inventions and our wastes have altered the cycles of the life system upon which we and all living things depend. To save ourselves and our home we must learn to become stewards to all our fellow inhabitants of this globe.

Teaching responsible stewardship for the future of mankind and the future of the land is an underlying purpose of the California History Center. The quote cited above was taken from our recent visit to the Coyote Point Museum, a beautiful new museum in San Mateo County dedicated to environmental education. As we considered the center's historical chronicling of regional history in exhibits, publications and courses we recognized that a very obvious theme had not been investigated. What about the unde-

veloped land in the valley where man has chosen not to build subdivisions, plant farms, military bases, or industrial complexes? In light of dense development of the valley floor, how and why have the western foothills and Santa Cruz Mountains remained essentially "wild"? Who have been the individuals with foresight and wisdom, who became stewards of precious redwood trees, hillsides of wildflowers, baylands filled with rare birds and animals?

This wilderness habitat is the subject of our spring study. We will look at groups and individuals who have provided this open space - Wallace Stegner, Lois Hogle, Katherine Steadman of the Committee for Green Foothills; Dorothy Varian and Tony Look of the Sempervirens Fund; Nonette Hanko and Herb Grench of the Midpeninsula Regional Open Space District, Artemis Ginzton and others support Santa Clara County Parks and trails. We will also examine the rich family history of this open space - the Fremont Older's, the Garrod's, the Picchetti's, the Duveneck's. More than anyone, these families knew the land, lived on it, gave back to it with earnestness and respect.

We newcomers to the valley who enjoy the advantages of open space owe a debt to the people who shaped this dimension of our history. Join us as we explore this topic - join us as stewards of our fellow inhabitants of this globe.

Seonaid McArthur
Director, CHC

COVER:

The silicon chip, shown on the daisy petal, changed this agricultural "Valley of Heart's Delight" into "Silicon Valley" and revolutionized the electronics industry. Photo by Melgar Photography, courtesy Intel.

CALENDAR

January

Tuesday, 3rd

Winter Quarter Begins

Monday, 16th • Mushroom Slide Presentation

In preparation for the Mushroom Expedition and Faire (see details below), Dr. William B. Freedman, past president of the Mycological Society will give a slide presentation in preparation for mushroom gathering, 7:30 p.m. - CHC - Cost details below.



Saturday, 21 • Mushroom Expedition

A mushroom gathering expedition with Coyote Point Museum and the Mycological Society of San Francisco at Huddart Park in Woodside. 9 a.m. - 1:30 p.m. - Cost details below.

Sunday, 22nd • Mushroom Faire

Day-long participation at the Mushroom Faire from unwrapping, labeling and placing on display to learning about identifying, cultivating, cooking and photographing mushrooms. 8 a.m. - 5 p.m. - cost for all three events, \$15 members, \$20 non-members. Payment deadline January 13.

Saturday, 28th • Piper Sonoma

Tour of one of the world's most modern sparkling wine facilities, Piper Sonoma, with a talk by Rodney Strong, winemaker for Piper Sonoma, on the birth of the "Franco-Californian Sparkling Wines". Includes gourmet lunch, tasting and private viewing of the art collection. 8 a.m. - 5 p.m. \$29 members, \$34 non-members. Payment deadline January 13.

February

Saturday, 4th • 15th Anniversary Celebration

Celebration of 15 years of documentation, preservation and teaching of local history by the California History Center. To be held in a Pacific Heights penthouse owned by CHC founding director Dr. Walter Warren. Hors d'oeuvres, wine, champagne. Space limited. 7 - 10 p.m. \$20 members, \$25 non-members. Payment deadline, Jan. 20.

February 10-12 • Donner Party Trek

A cross-country ski or snowshoe opportunity to follow the Donner Party trail with a knowledgeable guide to scenic Cold Stream Canyon. You will visit the Donner Memorial State Park Museum and after Saturday dinner at Northwood Club House a talk by local historian John Corbett. \$150 members, \$170 non-members. \$50 deposit due immediately, full payment by Jan. 30.

Friday, 24th • Open Space Exhibit Opening

A special evening tribute to individuals instrumental in saving valley foothills, baylands and forests as the CHC opens its Spring Exhibit: Santa Clara Valley's Open Space Movement. Among honorees will be Pulitzer Prize winning author Wallace Stegner. 7 p.m., CHC. Limited to members.

March

Saturday, 17th • Historic Benicia

Day-long tour of historic Benicia situated on the north shore of Carquinez Strait, including the former state capitol building, a restored 1858 home, and Union Hotel, First Street and Benicia Arsenal. 8 a.m. - 6 p.m. \$25 members, \$30 non-members. Payment deadline February 17.

Friday, 30th • Capitola Lecture

Slide lecture by area historian, author and Cabrillo College instructor, Sandy Lydon, on the "gem of Monterey Bay" Capitola, in preparation for Saturday tour. 7-9 p.m., CHC, cost details below.

Saturday, 31st • Capitola Tour

Walking tour of historic Capitola, with Sandy Lydon, including the 1890 El Salto resort on Depot Hill, the controversial Rispin Mansion, probably one of the oldest buildings in Capitola and Lodge Averon located on the original Soquel/Mexican land grant. 9 a.m. - 5 p.m. \$25 for members, \$30 non-members.

CULTURAL PRESERVATION

Fifteen Years with the California History Center

Program Highlights	1968	1969	1970	1971	1972	1973	1974
Growth Staffing, curriculum, support services, fund-raising efforts		Walt Warren named director Moves from Foothill to De Anza	Trianon Foundation formed Fundraising started to save Trianon		Seonaid McArthur hired Consejo de Historiador formed Three types of courses offered		Sharen Metz hired Trianon moved to permanent location
Location		Small room in Learning Center				Science basement	
Grants and Awards Noted here are major funding for Trianon restoration and CHC program development. Most CHC publications were also grant funded.					\$56,000 NEH matched grant for curriculum development Trianon placed on historic register		
Growth of membership/donations						\$2,000	
Exhibits and Publications The exhibit program was started once the center moved into the Trianon Building in 1979. * denotes exhibit	First student research papers published Foothill	Local History Studies Series Vol. I Vol. II	Local History Studies	Chinese Argonauts Farm, Home Forge Grizzly Bear in the Land of the Ohlone	1906 Palo Alto Los Altos Reminiscences	Lingering Legacy Saga of San Leandro Trianon Waits Hidden Villa Marina Memories	Sunnyvale City of Destiny Costanoan Indians

The Foothill-DeAnza Community College District provides a home for the center in the historic Trianon Building and funds our regional history classes. But it is through the continuing support of the community through membership in the history center foundation and private donations that we can provide such activities/programs as changing exhibits, docent tours for school children and adults, a regional history research library, publications, video-television documentaries and special events and tours.

1975	1976	1977	1978	1979	1980	1981	1982	1983
	Project Immortality started	Kathi Peregrin hired	Name change to CHC Foundation David Rickman hired	Moved into Trianon Seonaid becomes Director Docent Volunteer Assoc. organized six courses added	Lesley McCortney hired "The Californian" begins Pearl Jackson hired	Mary Jane Givens hired	Trianon restoration completed Stocklmeir Library opens Foundation Tours start	six courses added
Adobe I		Adobe II		Trianon				
\$50,000 from City of Cupertino		\$16,000 NEH matched oral history grant	Prop. 13 passes \$20,000 program funding lost			\$42,000 California Council for Humanities matched grant for Passing Farms exhibit and book		Smithsonian Museum Assessment grant
State of California Award		\$24,000 Historic Preservation Grant						
		C.E.T.A. support begins						
\$20,000		\$13,000			\$43,000			
Cupertino Chronicle	Historias		Dorothea Lange Soquel Landing to Capitola by the Sea A Howling Wilderness Where California Began		The First Californian ★ Grand Hotels ★ George Otis ★ Maritime ★ Mariano Malarin	Chinese ★ Yugoslav ★ Passing Farms ★ Water in Santa Clara Valley	Modern Edens ★ Fort Ross ★ Like Modern Edens	Japanese ★ Moffett Field ★

Silicon Valley

The High Tech Heritage

by Jean Page

Jean Page is an Industry Analyst for Dataquest Semiconductor User Information Service. She received her B.A. from Open University, England and has done graduate work in Library Science, North-Western Polytechnic in England. Since 1979 she has been responsible for worldwide research regarding semiconductor suppliers, applications and strategic planning for Dataquest.

In 1940 the Santa Clara Valley was known as "The Valley of Heart's Delight" and the abundant harvest of its fruit orchards was shipped across the world. Today the valley — now called "Silicon Valley" — is world famous for a different harvest. Integrated circuits, the devices that made possible the birth of the electronic age, are the new crop of the valley. But they are by no means the only crop. Silicon Valley is one of the world's most impressive centers of high technology. Microwave electronics, aerospace development, and the computer industry all flourish in this environment.

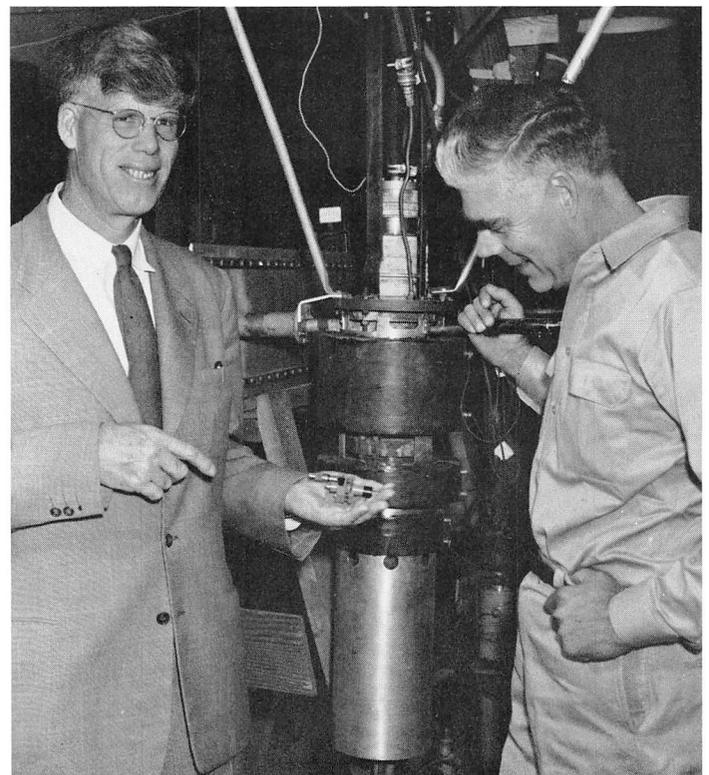
Why here? Why did a valley so eminently suited to agriculture become a center of industry? One suggestion is that World War II changed the nature of the population because of the many workers who came here to work in the defense plants. Another possibility, in the words of the late Russell Varian, is that "Californians seem to always want to return to California." He returned to California to found Varian Associates just as William Shockley returned some years later to found Shockley Transistor Company, forerunner of the valley's semiconductor industry.

One man, Frederick Terman, is frequently credited with being a major force in developing the valley's electronics industry. Terman was head of the electrical engineering department at Stanford University in the late thirties and was concerned that his graduates had to go east to find jobs. He tried to stem this tide by encouraging them to establish their own companies here. In the fifties, Terman was instrumental in the development of Stanford Industrial Park, an industrial complex that today houses 70 companies.

Microwave Electronics - The First Phase

At the heart of microwave electronics is the klystron, a device invented and developed by Russell and Sigurd Varian working with Dr. William Hansen at Stanford University in the late thirties. The klystron made radar possible, and was extensively developed in England during World War II. In 1948 Varian Associates was established in San Carlos. Although initially a producer of microwave tubes, the company now has a wide range of product lines and annual sales close to three-quarters of a billion dollars.

Our society has a way of de-bunking technology. Today the devices at the heart of radar installations and atom-smashing linear



Russell Varian, left, holds what were considered small tubes made by Varian Associates in the early 1950s. He and his brother Sig make the comparison to the much larger V-42 tube Varian manufactured for use in UHF transmitters.

accelerators are also used to heat TV dinners in microwave ovens. Silicon Valley, with more than twenty companies involved in the manufacture or use of microwave devices, is home to representatives of both ends of the spectrum.

Aviation and Space

The Santa Clara Valley and aviation go back a long way. In 1905, a glider designed by John Montgomery of the University of Santa Clara made one of the earliest manned flights. It was the post World War II days, however, that saw the real expansion of the aviation and subsequently the aerospace industries in the valley. Lockheed Missiles and Space Company is the biggest employer in Santa Clara County. The company builds missiles and has been involved in the U.S. space programs since its beginnings.

Moffett Field, originally founded as an airfield for dirigibles, is now home to the Navy's fleet of submarine hunters. It is also the home of NASA-Ames Research Center. Founded in 1940, the Ames Research Center performs basic and applied research in support of the nation's space and aeronautical programs. Ames managed the remarkably successful Pioneer interplanetary

spacecraft project, and today is involved in the space telescope program for which Lockheed Missiles and Space Company is a major contractor.

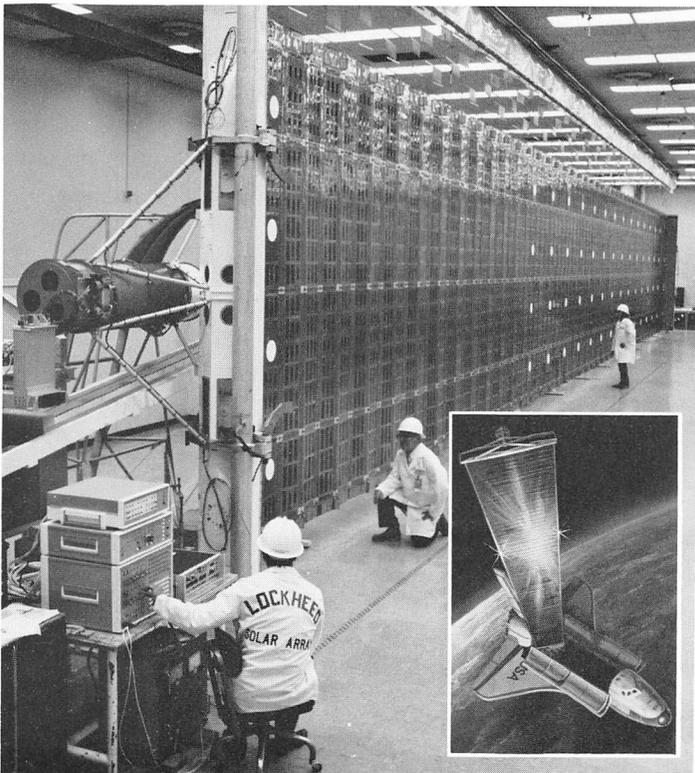
Semiconductors

Semiconductors are made of the silicon that gave Silicon Valley its name. The production of these tiny electronic circuits, and the proliferation of the companies that make them have made the Santa Clara Valley the focus of more interest and attention than almost any other industrial area in the world.

It's ironic to realize that, although the vacuum tube, predecessor to transistors and integrated circuits, was invented right here in Santa Clara County, the transistor was developed on the other side of the continent. William Shockley was one of three men who developed the transistor at Bell Laboratories, and it was his return to his native Palo Alto that started the whole industry.

Shockley founded Shockley Transistor in 1955, bringing with him a very talented team of scientists and engineers. Disagreement on the technical direction of the company caused a number of them to leave Shockley and form Fairchild Semiconductor financed by Fairchild Camera and Instrument Company. Fairchild is the progenitor of the valley's semiconductor industry. Forty companies can trace their roots back to Fairchild.

Two important inventions were made at Fairchild — the planar transistor and the first integrated circuit. These inventions made the development of increasingly smaller and more complex chips possible.



The solar array wing, developed for NASA by Lockheed Missiles and Space will be tested in space for the first time when it goes up on a shuttle flight in June 1984. Eventually the solar wing will be used to provide greater amounts of power through solar energy on extended shuttle missions. Photo courtesy Lockheed Missiles and Space.

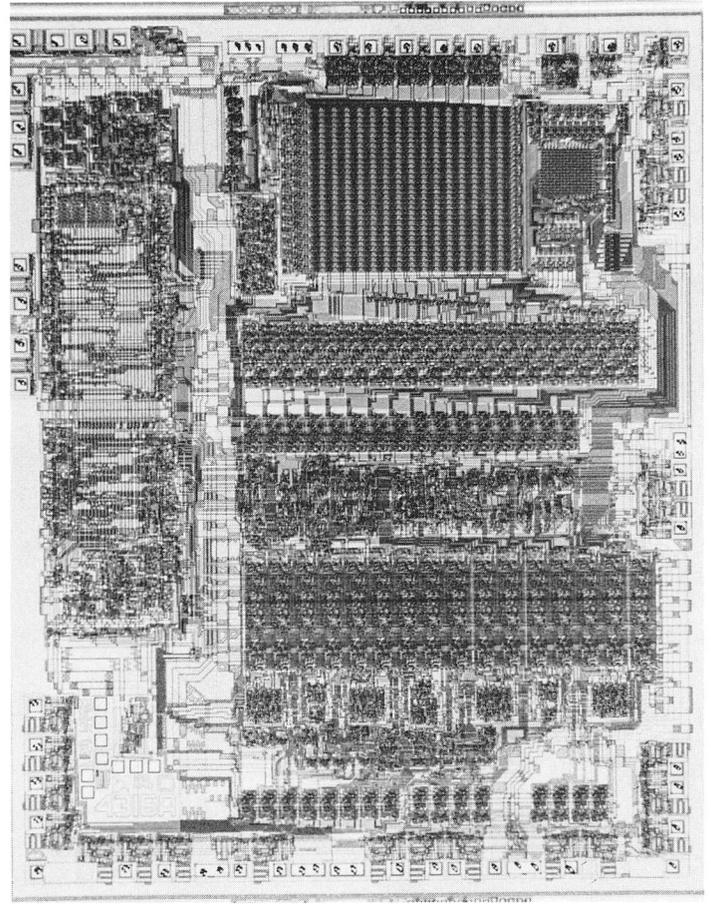


Intel, founded in 1968 by Robert Noyce, Gordon Moore and Andy Grove, employed some 50 people in 1970. Today it employs some 21,500 world-wide. Photo courtesy Intel.

Intel was founded in 1968 by three Fairchild alumni, Robert Noyce, Gordon Moore, and Andy Grove. In 1971 Intel introduced the first microprocessor — a single silicon chip that contained all the functions of a computer's central processing unit. Today, Intel is the largest producer of microprocessors in the world.

American Microsystems, a leading manufacturer of custom semiconductors (devices made for one specific customer) was founded in 1961, and National Semiconductor, a major semiconductor manufacturer, offering a broad range of semiconductor products was established in 1967. Advanced Micro Devices was founded in 1969 . . . the list could go on and on. All these companies had their roots in Fairchild. A quarter of the world's semiconductor needs are met today by valley companies.

There are many reasons why the semiconductor industry has propagated itself so well in this area. The industry demands a very specialized infrastructure. Very high purity gases and other materials are needed in the manufacture of chips. New manufacturers tend to locate close to existing sources of supply. Santa Clara County boasts one of the most extensive piped nitrogen supply networks in the world. The equipment used to manufacture semiconductors is always state-of-the-art, and often temperamental, so semiconductor manufacturers like to be close to their equipment suppliers so that problems can be fixed quickly.



This integrated circuit, manufactured by Advanced Micro Devices is no larger than a child's fingernail and can perform an instruction in under one ten-millionth of a second. Photo by Melgar Photographers, courtesy of Advanced Micro Devices.

Starting a semiconductor company is a very expensive project, but if the stakes are high, so are the rewards. Many of the people who became wealthy in the semiconductor industry are using their money to fund startup companies. This again helps the industry to develop, because these venture capitalists offer not only money but expertise in company development. A whole network of professional services, attorneys, accountants, and banks specializing in high tech industry has developed alongside the industry itself.

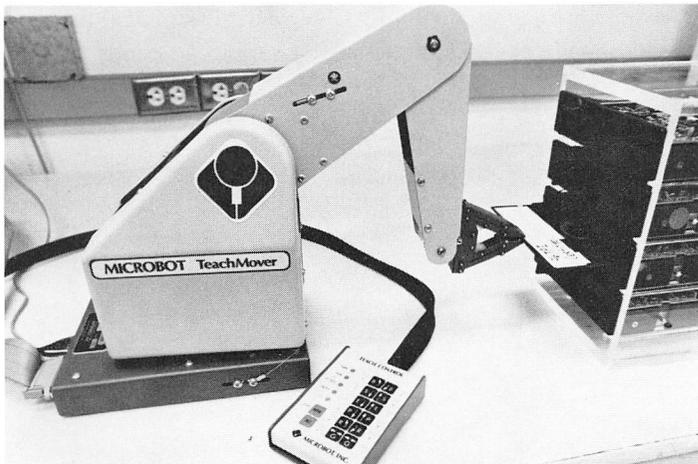
When the semiconductor industry first started to grow, its location, Santa Clara Valley itself, was a great incentive to prospective engineers. Now, however, the increasing congestion and the prohibitive cost of housing are making it difficult to attract employees. Some semiconductor companies are addressing this problem by building their production facilities in other areas, but Silicon Valley still remains at the heart of the industry's development.

Electronics

There was a thriving electronics industry in the Santa Clara Valley before the semiconductor industry was born. One of the great success stories is that of Hewlett-Packard. William Hewlett and David Packard were two of the graduates that Frederick Terman persuaded to stay in California and start their own company. Their first product was an audio oscillator, and a sale to Walt Disney for use in the production of the movie "Fantasia" encouraged the two young engineers to form the partnership from which a four-billion dollar company has grown. Today Hewlett-Packard designs and manufactures electronic test and measuring instruments, calculators, computers, medical electronics and semiconductors. Although the company now has facilities all around the world, the corporate headquarters and several manufacturing divisions are still here in the valley.

One of the fastest growing parts of the semiconductor industry is the production of telecommunications chips. Microchips in your telephone make all those gimmicks like stored phone numbers call-again features possible. They also find a place in complex and sophisticated PBX products. Companies can now keep track of calls, forward calls to different extensions, and restrict certain extensions to particular area codes. ROLM Corporation, another valley company is one of the biggest participants in this market.

Silicon Valley's newest offspring is the personal computer. Apple Computer was founded in 1977 by Steve Jobs and Steve Wozniak. Before Apple, personal computers came in kit form and were the domain of the dedicated hobbyist. Apple's friendly and relatively low-priced Apple II brought computers to the small businessman and the home user.



Robotics

One high tech industry in its relative infancy in Silicon Valley is robotics, or the manufacture of devices which manipulate tool parts through space by means of a programmed sequence of motions.

The first industrial robot in the U.S. was installed in the early 1960s in a General Motors automobile plant. Through the 60s the number of robot applications increased but the acceptance of the robot was limited.

In the 70s robot use in manufacturing began to increase and during the past 4 years the robot industry has grown annually at a 50 percent rate. Part of this growth has stemmed from an increasing acceptance of the use of robots in light assembly industries such as electronics and pharmaceuticals and a growing number of companies manufacturing robots. It is expected that it will be a billion dollar industry in a few years.

Silicon Valley was a natural area for the growth of the robotics industry. Not only were the sophisticated materials needed for their manufacture close at hand, but once manufactured, there was already a market for them right here in the Silicon Valley.

Conclusion

In the space of this article it is impossible to address even a fraction of the valley's industrial history. At best we can gain a taste of what the high tech heritage is all about. When we talk of history we usually talk of the distant past, or at least of our grandparents time. Our high tech heritage is history. Over the past forty years or so we have been in the center of a revolution just as important and just as far-reaching as the Industrial Revolution of the nineteenth century. Our culture has been exhaustively studied and carefully imitated, but never successfully. The California History Center High Technology Regional History Project will record and document an important page in the history of the nation. (See details on High Tech Project pg. 13.)

Microbot, Inc. of Mountain View manufactures several types of robotic arms that have many uses in industry. One company in San Jose uses the Teach Move model to quality test its floppy disk drive (shown), while another company in Illinois uses it in the production of radioactive pharmaceuticals. Photo courtesy of Microbot, Inc.

State and Regional History

Electric Railway in the Bay Area: *Paul Trimble*

Evolution of electric railways from primitive rail lines propelled by horse and cable, to how they set the course for population and industrial growth to their eventual demise, will be discussed. One session will focus on contemporary interurban travel.

Broadcasting and Film Industry: *Brian Smith*

A look at the long term effects of the broadcasting and film/movie industry upon the 20th century development of California. Four field trips planned.

Italians in Santa Clara Valley: *Victor DeMattei*

Focus is upon contributions of the Italian people to the valley, including such areas as agriculture, law, politics, music, wine industry, education, Italian language press/radio and more.



CHC Director Seonaid McArthur, center with Ridge Vineyard President David Bennion, enjoyed a beautiful day of merlot grape harvesting with other CHC members and friends during the fall harvest at Ridge.

Franciscan Missions: *Chatham Forbes*

Students will study two Franciscan missions which have been restored and are very much alive today; San Antonio de Padua and San Juan Bautista.

The California Indian: *Brian Smith*

Native Californians will be studied including his physical and ethnic characteristics, dwellings, food, clothing, social customs and organizations, religions and language. Four field trips planned.

John Steinbeck 1902-1968: *Maury Dunbar*

The life and career of California's favorite "literary son" will be studied with author and Steinbeck authority, Dunbar. One-day trip to visit Steinbeck House, library, gravesite and Cannery Row.

Great Mansions of the Peninsula: *Hirsch/Norfolk*

A study of some of the most grandiose mansions ever created, including Filoli, Ralston and Crocker Mansions and Villa Montalvo, their owners and architectural styles.

Seacoast of Bohemia: *Chatham Forbes*

A look at the writers and artist who brought fame and notoriety to the Monterey Peninsula and who permanently changed the course of history in that community.

The Arts in California: *Betty Hirsch*

From the San Francisco Symphony to the Bach Dancing and Dynamite Society to Stanford's Computer Music Labs, the historical and cultural backgrounds of various art forms will be studied.



Dorothy Varian, seated, signs copies of her book, "The Inventor and the Pilot" as CHC Director Seonaid McArthur and guests look on. The book signing was part of a special CHC Foundation lecture and tour on microwave electronics. Photo by Peter Nuding, courtesy Varian Associates.

Exhibit Program: Santa Clara Valley's Open Space Movement

The impact of post World War II industrial and urban growth posed serious threats to the preservation of the Valley's unique natural environment. Co-sponsored with the Midpeninsula Regional Open Space District, the exhibit, which runs Feb. 24-June 30, chronicles regional and land conservation efforts resulting in 14,000-acre tax supported park district. Two courses planned explore the natural history of California.

Natural History of Point Lobos: Lee Van Fossen

Traits and habits of plants, small animals, forests, tidepools, birds and marine mammals, will all be studied at Point Lobos State Preserve, said to be the "greatest meeting of land and water in the world."

Open Space Heritage: Seonaid McArthur

A three-evening look at the grass roots movement to save a greenbelt in the foothills and baylands of Santa Clara and San Mateo counties which was formalized in 1970 with the formation of the Midpeninsula Regional Open Space District.



Celebrate Open Space!

Leaders of Regional High Technology Assist CHC Documentation Efforts



Edward Ginzton,
photo by Peter Nuding, courtesy
Varian Associates.



C. A. Syvertson,
photo courtesy NASA-Ames

Pioneers who have led in the development of the region's high technology industry are being brought together to assist and guide the California History Center's High Technology Heritage Project. Project goals include conducting videotape interviews of pioneers in electronics and establishing an information clearinghouse on industry growth.

The project focus is to document 1) Microwave Electronics, 2) Aviation and Space, 3) Semiconductor and 4) General Electronics. Each area will have a consultant board headed up by a "patriarch" of the field. Edward L. Ginzton, President of Varian Associates, and C. A. Syvertson, Director of NASA - Ames have agreed to head the first two areas of project focus.

Edward L. Ginzton, Chairman of the Board, Varian Associates

Ed Ginzton was born in 1915 in Dnepropetrovski, Ukraine. He came to California in 1929 attending Polytechnic High School in San Francisco. Fluent in many languages and a brilliant student he entered Stanford University in 1940. While a graduate student at Stanford, Ginzton was asked by the Varian brothers and William W. Hansen to work in the physics department to help explore the characteristics of the Klystron.

Following Hansen's untimely death, Ginzton became director of "Project W" (Stanford Linear Accelerator), ushering the project through a maze of political and financial difficulties. Ginzton, while a founding member of Varian Associates, spearheaded efforts to design and construct a two-mile-long electron accelerator. In Ginzton's words, "we wanted to build the most powerful microscope in the world." The dream was realized in 1961, when, following a series of political debates between President Eisenhower and the joint committee on Atomic Energy, a \$132 million dollar federal project for the Stanford Linear Accelerator (SLAC) was approved.

For his contributions toward development of the linear accelerator, Ginzton was awarded the Medal of Honor of the Institute of Electrical and Electronic Engineers in 1969. He was elected to the National Academy of Engineering in 1965 and National Academy of Sciences in 1966.

Ginzton will lead the microwave technology groups which will assist CHC documentation of early activities at Sperry Gyroscope and Bell Labs, early companies such as Watkins-Johnson, Sylvania-Mtn. View, to Melabs, Cascade, Fairchild Microwave, Western Microwave Labs, Amlab California Microwave, and Litton.

Clarence A. Syvertson, Director, NASA-Ames

C. A. Syvertson was born in 1926 in Minneapolis, Minnesota. His undergraduate and graduate work was conducted at the University of Minnesota in Aeronautical Engineering and Stanford University in the 1950s. He arrived in Santa Clara Valley in the late 1940s witnessing what he fondly recalls as the era of trees in blossom and little congestion of freeway or airplane traffic. From 1948-1959, Syvertson worked as an aeronautical research scientist for Ames Aeronautical Laboratory investigating hypersonic aerodynamics, aircraft designs, entry-vehicle design and analytical studies of wind tunnel design and hypersonic aerodynamics. In 1959-1963 he was chief scientist for the 3.5 foot hypersonic wind tunnel branch of NASA-Ames. From 1966-1969 he was Director of Astronautics, the research programs related to gas-dynamics, vehicle environment and space sciences division of NASA-Ames. From 1969 onward, Syvertson's technical and administrative management of NASA-Ames expanded while he served as Deputy Director then full Director, where he has served to the present time.

The range of contribution made by Syvertson during this era of vital aviation and space developments has led to his receipt of the Exceptional Service Medal of the National Aeronautics and Space Administration in 1971, election as a fellow in 1976 to American Institute of Aeronautics and Astronautics, and in 1978 to the American Astronautical Society.

Syvertson will assist CHC documentation of individuals key to many scientific breakthroughs occurring at the NASA-Ames facility.

FOUNDATION NOTES

Planning Begins for High Technology Heritage Project

As the only organization actively documenting history, it became evident in 1979 that our educational programming and archives contained inadequate materials on the electronics industry. As "Silicon Valley" gained international significance a myriad of researchers, from the Christian Science Monitor to Amdahl Corp., came to utilize papers, pamphlets, oral histories in our collection. We recognized that this dimension of Santa Clara Valley history needs to be equally represented in our educational materials along with farm families, Indian ranchero, mining and community history.

We are in the planning stages of a project to 1) conduct video documentation of electronic pioneers and 2) develop a computerized information access system to archival materials relating to the history of regional electronics. We are working closely with Stanford University archives and the history of science project of the University of California's Bancroft Library. These libraries contain many of the papers of electronics pioneers and our tapes will be deposited there for research use.

A board of industry officials will guide the project, prioritize individuals to be interviewed, and assist with determining funding objectives.

The first stage involved selecting major fields of high technology to be documented, and locate a "patriarch of the field to coordinate our efforts. The first two fields receiving emphasis are microwave technology and aerospace. As described in the Pioneer Profiles of this issue of the *Californian*, Ed Ginzton one of the founders and current president of Varian Associates will direct initial microwave documentation. Roy Roberts, manager electronic development for Lockheed, who participated in much of the evolution of contemporary microwave technology will also assist as an interviewer for the field. The aerospace interviews will be assisted by C. A. Syvertson who will be retiring as director of NASA-Ames this year.

As the CHC continues planning this year for the project, federal and corporate grant funds will be sought to support library and video staff time and acquisition of necessary equipment related to the effort.

CHC Receives Donations from Businessland and GKE

History is what the California History Center is all about, but through the years the center has always been known as an innovator, and truly has lived up to its motto, "Understanding the past, involved with the present, committed to the future."

Through the generous donations of two local companies, the history center has entered the computer age. Last summer the center was the recipient of a Northstar computer donated by **Businessland, Inc.** of San Jose and corresponding Condor Database software donated by **GKE Software** of Los Gatos.

Businessland, founded in April 1982 by David A. Norman, founder of Dataquest and Enzo N. Torresi, founder of Olivetti Advanced Technology, was created to support a network of retail centers that provide cost-effective business systems and products that are fully supported and sold to the professional and small-business community.

It was through the efforts of Tom Clements, general manager of the Los Altos branch of Businessland who served as the liaison with corporate headquarters, that the center received the computer.

Gordon Kraft, president of GKE Software, founded his company in January 1982 as "an attempt to achieve supportive distribution or, products that work with one another." While the Condor Database software is a cornerstone of the company, GKE also does in-house software development. The donated Condor software is a complete database management system that will facilitate library cataloging, accounting procedures and general office management.

The California History Center wishes to thank both Businessland and GKE for their donations. It is through such support that the history center is able to continue to provide varied services to the community.



Good-bye and Good Luck

It is with mixed emotions that the history center staff says good-bye to Sharen Metz who, by the time you read this, will have left the center for a new and exciting venture. On December 1 Sharen became the new owner of The Women's Place, a health club and spa located on Saratoga-Sunnyvale Road in San Jose. We all are thrilled for Sharen as this has been a dream of hers for quite some time.

But we are saddened too, for each of us is losing that everyday contact with a good friend and sympathetic cohort. We wish her well with this exciting new phase of her life and it goes without saying we hope she visits often.

MAP Grant Awarded

The California History Center has been awarded a \$600 Museum Assessment Program (MAP) grant from the American Association of Museums. This national accrediting association will provide on-site review and evaluation and make recommendations for the center's entire operation from marketing, fund-raising and staffing to exhibition activity. The center anticipates that the review will take place in the next few months.

A thank-you to Grace Hartley for the loan of the beautiful George Demont Otis paintings that have been hanging in the Grand Salon during fall quarter.

Watercolor by artist Daniel M. Mendelowitz will be on display in the Grand Salon from December 16th through February 12.

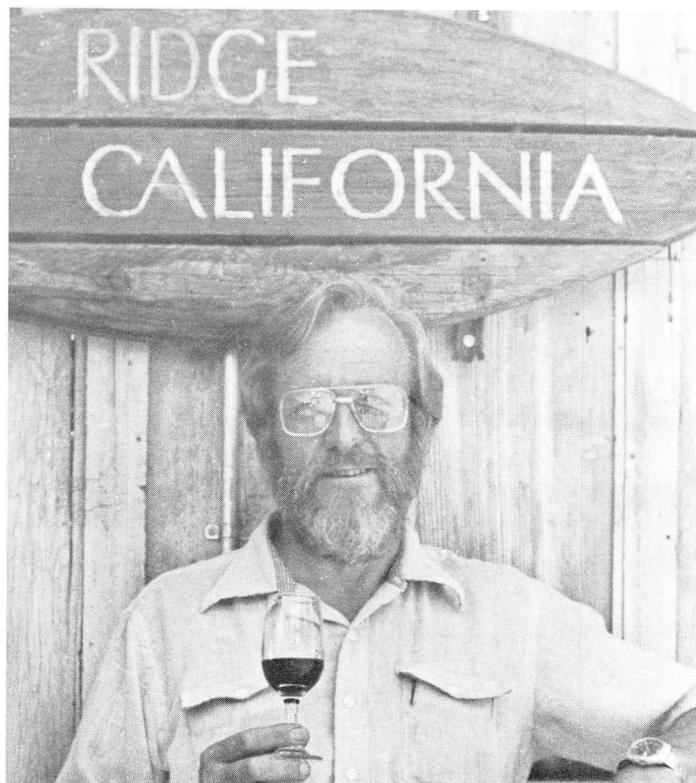
CHC Welcomes New Trustee

Dave Bennion, the newly elected CHCF Trustee, stands out as a strong individual with many dimensions. As the President of Ridge Vineyards, Dave helped lead the winery to world class status. He and his wife Fran purchased the 80-acre parcel on the Montebello Ridge in 1959 as a land investment with three other partners. The winemaking potential of the land was developed while the four partners continued their work at Stanford Research Institute.

Ridge gained its reputation in the 1960s when Dave with three electrical engineering degrees from Stanford University, was the winemaker. When production hit a new level of 10,000 gallons in 1970, Dave and his partners hired Paul Draper as the winemaker. In January 1984, Dave plans to resign as President of Ridge but will continue part time as a Director and member of the Policy Committee.

The next adventure for Dave and his wife is to begin building the Bennion Family home on a coveted 10-acre parcel adjacent to Ridge.

(Excerpted from an article by Marjorie Mader, *The Country Almanac*, September 1983.)



15th Anniversary 1969-1984

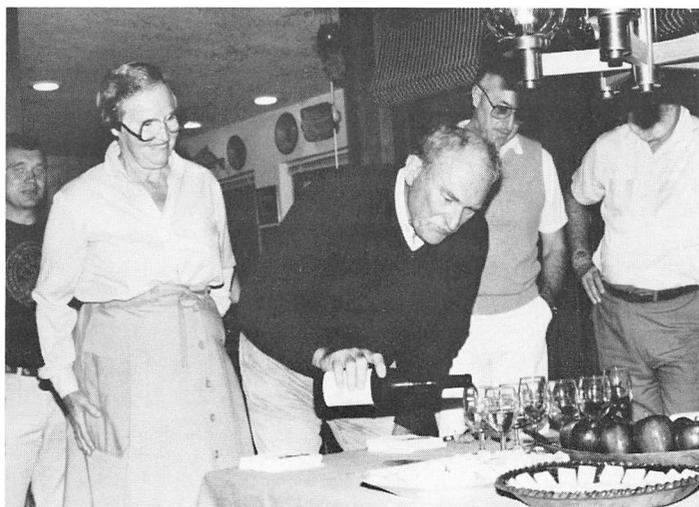
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*Members of original Trianon Foundation Board

**Wife of founding president Louis Stocklmeir



Former Saratogans Connie and Ray Damskey, left, graciously opened their home and small chardonnay vineyard when the CHC Foundation toured Napa Valley in late October.

New Members

\$1000.00

Austen Warburton

\$500.00

Millie Chuck (tile)

\$100.00

George & Genevieve Luchessi

Dona McArthur (tile)

Tim Mitchell (tile)

Claire & Raymond Simmonds (tile)

\$50.00

Leanna & Robert Gaskins

Mae Regnart

\$35.00

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Aldo Picchetti

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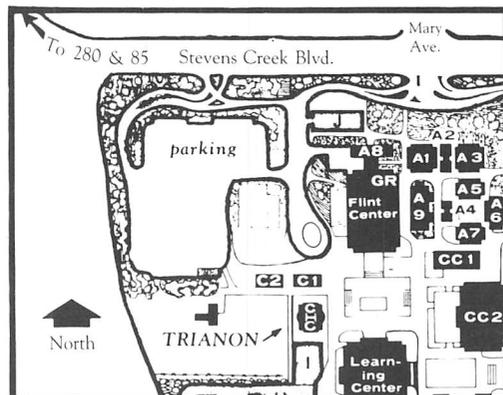
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Exhibit Hours:

Monday–Friday:
9:00 am–noon, 1:00–4:30 pm
Docent Tours may be scheduled
by calling 996-4712.



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