

HP's 50th anniversary book of lists

10 famous people who visited HP

1. **Ronald Reagan** (The former U.S. President visited HP in 1966 while governor of California; actor **Chuck Connors** of "Rifleman" TV fame came with Reagan.)
2. **Prince Philippe** of Belgium (1985)
3. **Queen Elizabeth** and **Prince Philip** of England (1983)
4. **Charles De Gaulle** (former French president; 1960)
5. **Grand Duke** and **Grand Duchess of Luxembourg** (1984)
6. **King Carl VI Gustaf** of Sweden (1984)
7. **Herbert Hoover** (former U.S. President; 1959)
8. **Lee de Forest** (inventor of vacuum tube; 1956)
9. **Sri N.T. Rama Rao** of India (chief minister of the state of Andhra Pradesh, India, and former movie star; 1984)
10. **John McEnroe** (... almost. He was a little too tired the morning he was to show at HP for a tennis promotion. But, HP President John Young finally met him later that evening at San Francisco's Transamerica Tennis Tournament in 1984).



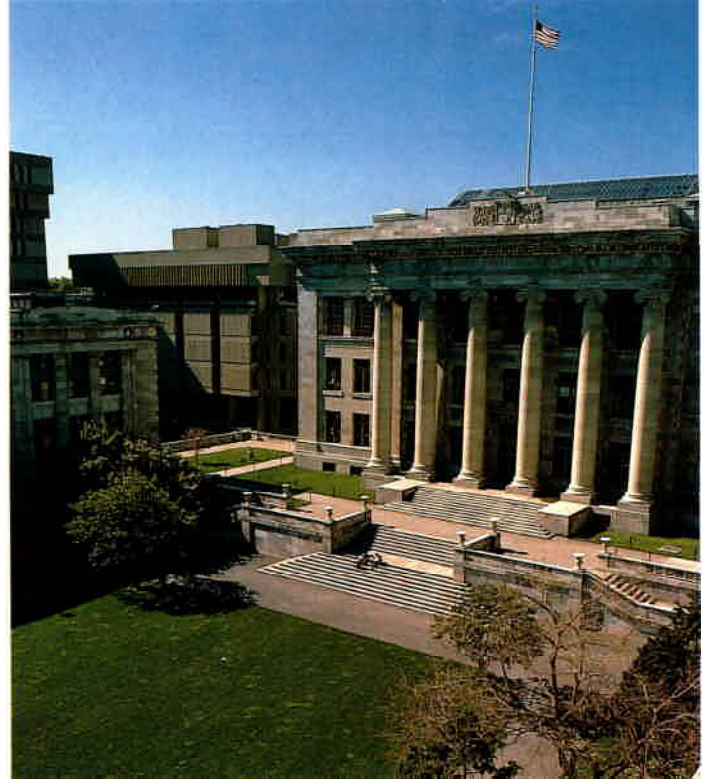
Chuck Connors (second from left) with Governor Reagan.



Dave gives Queen Elizabeth the grand tour.

10 noteworthy HP grants

- 1. San Francisco** (California) **Opera**—Computers for staging and rehearsals
- 2. Cornell** (New York) **University**—Workstations for the application of computer graphics to architecture
- 3. Soviet Armenia**—Medical equipment to diagnose and treat 1988 earthquake victims
- 4. Argentina**—Medical equipment for ambulances for emergency services for the poor (ambulances donated by Northrop Corporation)
- 5. Lawrence Hall of Science**, Berkeley, California—Personal computers for the Chemical Education for Public Understanding program
- 6. Free University of Berlin**—Workstations for artificial intelligence geology work
- 7. Harvard University Medical School**—Computers for major experiments with information technology for medical education
- 8. Gallaudet University for the Deaf** (Washington, D.C.)—Computers for education
- 9. California Museum of Science and Industry**, Los Angeles—Equipment and software for a hands-on graphics and design “Bicycle Factory” exhibit
- 10. San Francisco State University**, the **University of Massachusetts** and the **University of Hawaii**—Workstations for experimental project to improve science education for high school students using computers



COURTESY OF HARVARD UNIVERSITY MEDICAL SCHOOL

HP earned an “A” for a grant to the Harvard Medical School.

10 experiments or products that never quite made it

- 1. Bowling alley foul indicator** (don’t step on the foul line!)
- 2. Lettuce-crop thinner** (pruned rows of lettuce with an electric eye to improve production)
- 3. Electro-shock weight-reduction machine** (enough said)
- 4. Welding machine timer** (used in shipyards during World War II)
- 5. Harmonica tuner** (A company wanted to make harmonicas and asked Bill Hewlett and Dave Packard to make a tuner. Their conclusion? They dropped the idea when Bill realized it would be tough to replicate the human ear. “The ear is pretty sensitive to tonal changes in music,” Bill said, “and we couldn’t devise a system that would do it.”)
- 6. Telescope clock drive** (for Lick Observatory on Mt. Hamilton, San Jose, California)
- 7. Diathermy machine** (heated body with radio-frequency energy for medical treatments)
- 8. Automatic flushing toilet** (for Stanford University)
- 9. Anesthesia-inducing oscilloscope** (used as an anesthesia for animals by sending electric signals through needles)
- 10. Calculator watch** (a calculated risk which may have been ahead of its time)



The calculator watch was a timely experiment that just didn’t add up.

HP ARCHIVES

10 newspaper headlines the week of January 1, 1939 (when Bill and Dave became partners)

1. Government Deficit Less Than Forecast

(Federal expenditures exceeded income by \$2.1 billion.)

2. Rose Tourney Celebrates 50th Birthday

(More than a million people jammed the streets of Pasadena, California, for the 50th annual Tournament of Roses Parade. The grand marshal was “golden-haired screen starlet” Shirley Temple.)

3. Dictators Won In 1938; 1939 Is Another Year

4. Japanese Matmen To Face Spartans

(San Jose State University wrestlers prepare to face their first international competition—wrestlers from the universities of Waseda and Keio.)

5. French to Work Longer

(42-hour work week for shops, 48-hour week for pharmacies and 45- to 50-hour weeks for cafes, hotels and restaurants)

6. 1,828,103 British Jobless

(328,900 higher than a year earlier)

7. Palo Alto Points With Modest Pride at Building Record for Last Year

(The city issued 619 building permits in 1938 with a total outlay of \$1,377,225.)

8. Celebrate the New Year with a Complete Turkey Dinner—\$1.50

(advertisement for the Brass Rail restaurant)

9. 2-Way Radios Authorized For Police Cars

(Palo Alto receives permission to use five watts of power and “an ultra high frequency of 31,780 kilocycles.”)

10. Stamps Still 3 Cents



You can find HP worldwide, including Casablanca (above).

10 out-of-the-way HP locations

1. Reykjavik, Iceland

2. Västra-Frölunda, Sweden

3. Baghdad, Iraq

4. West Berlin, Germany

5. Moscow, Soviet Union

6. St. Michael, Barbados (an island in U.S. West Indies and former pirates' lair)

7. Al Manāmah, Bahrain (a tiny Island in the Persian Gulf)

8. Negara Bruni, Darussalam (on the Northwest coast of Malaysia where the proclaimed “richest man in the world” lives in a famous gold-plated castle)

9. Trivandrum, India (the city on the southern coast where India has its space center)

10. Casablanca, Morocco (actor Humphrey Bogart's old hangout in the movie *Casablanca*: “... play it again, Sam”)



Bill and Dave try out the HP 9100A scientific desktop calculator.

10 of the top HP technical contributions

1. **HP interface bus** (1975) Industry adopted the HP-IB as an interface to connect instruments.
2. **HP 524A electronic counter** (1951) It reduced the time needed to measure high frequencies from minutes to seconds.
3. **HP 5060A flying clock** (1964) HP engineers flew the atomic clocks they developed to 18 countries to synchronize international time standards.
4. **HP 9100A scientific desktop calculator** (1968) It was the world's first programmable scientific desktop calculator.
5. **HP-35 scientific calculator** (1972) The world's first scientific handheld calculator—and Bill Hewlett's favorite HP product—made the engineer's slide rule obsolete.
6. **HP 32-bit microprocessor** (1982) HP's NMOS-III technology produced a silicon chip with 600,000 transistors — more than any other on market for many years.
7. **HP 3000 computer** (1972) The HP 3000 business computer was the industry's first commercial distributed data-processing system.
8. **HP Precision Architecture computers** (1986) Hewlett-Packard was the first major computer maker to commit to a broad line of products based on reduced-instruction-set computing, or "RISC."
9. **HP-28S calculator** (1988) It was the first calculator to perform symbolic algebra and calculus.
10. **HP LaserJet printer** (1984) HP LaserJet is the world's most popular personal desktop laser printer.



The HP 524A electronic counter made news.

10 HP employees born nearest January 1, 1939

1. **Yoshiaki Mikuni** (1/1/39) Yokogawa Hewlett-Packard sales (Yokohama, Japan)
2. **Delores Arkowski** (1/2/39) Colorado Telecom Division (Colorado Springs, Colorado)
3. **Marlene Disney** (1/2/39) Fort Collins Site (Fort Collins, Colorado)
4. **Altheda Hagle** (1/3/39) Network Measurement Division (Santa Rosa, California)
5. **Margaret Foltz** (1/3/39) Northwest Integrated Circuits Division (Corvallis, Oregon)
6. **Helen Sanchez** (1/4/39) Colorado Computer Manufacturing Operation (Fort Collins, Colorado)
7. **Robert Gomez** (1/4/39) HP Laboratories (Palo Alto, California)
8. **Lucille Romero** (1/4/39) Neely Sales Region Headquarters (North Hollywood, California)
9. **Joan Alley** (1/5/39) Direct Marketing Division (Sunnyvale, California)
10. **Terry L. Smith** (1/5/39) Colorado Integrated Circuits Division (Fort Collins, Colorado)

—Lists compiled by Vernon Andrews

(Vernon Andrews, HP historian and visitor relations coordinator, is one of the top 10 experts when it comes to HP trivia. He last wrote for Measure about new members of the HP board of directors in the May-June 1987 issue.)