Helping pioneers in technology accelerate progress

1946 First computer

1947 Transistor invented

1953 Watson and Crick determine double helical structure

1954 Regular color TV programming begins

1960 Laser invented

1961 First man in space

1967 First heart transplant

1969 First manned landing on moon

1971 First pocket calculator

1973 Internet is set up by the U.S. Department of Defense

1975 First personal computer

1979 First portable personal cassette player

1983 First compact disc

1984 First cellular telephone in service

1988 First transatlantic fiberoptic cable enters service

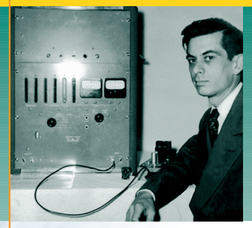
1992 Number of Internet hosts exceeds one million

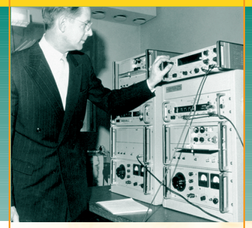
1997 A computer sporting artificial intelligence beats world-class chess champion Garry Kasparov

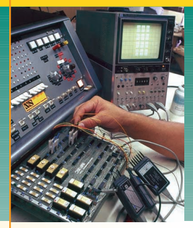
1999 179 million people use the Internet worldwide

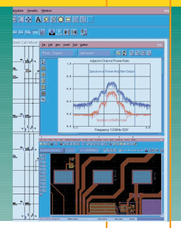
Dreams made real

'39 1940 '43 1950 '51 '60 1960 '64 '70 1970 '73 1980 '83 '85 '86 '87 1990 '97 '98 '00 2000 '01









1939: Audio oscillator

HP's first product. The audio oscillator is based on the principle of negative feedback.

1943: Signal generator

HP produces the first full line of signal generators between the audio and microwave frequency ranges.

1951: Frequency counter

The accurate and easy-to-use frequency counter revolutionizes the measurement of frequency.

1960: Sampling oscilloscope

The first sampling oscilloscope could look at digital waveforms in computer technology.

1964: Atomic clock

This clock is used to synchronize international time standards.

1970: Microwave network analyzer

The fully automated microwave network analyzer becomes indispensable for the design and manufacture of microwave systems.

1973: Logic analyzer

The logic analyzer has become the tool of choice for engineers in the field of digital electronics.

1983: 8902A Measuring Receiver

This receiver provides accurate low-level measurements of power and modulation, and is a forerunner of the multifunction instruments used to evaluate cellular telephones and base stations.

1985: First microprocessor-based network analyzer

This device allows measurements in near-real time across unheard-of frequency ranges.

1986: 8753A Vector Network Analyzer

This analyzer brings affordable vector analysis to the RF masses for the first time.

1987: 5371A Frequency and Time-Interval Analyzer

HP introduces a new measurement that would revolutionize the analysis of modulation and oscillators—changes in frequency as a function of time.

1997: Advanced Design System (ADS) Software

EDA software which provides the industry's leading high-frequency simulation technology to communication product design. This software suite brings a new level of power and sophistication to microwave simulation.

1998: Oscilloscope

HP introduces an oscilloscope with a graphical user interface and built-in information system. In 1999, optional English-language voice control is added, allowing hands-free operation for enhanced usability.

2000: PSA series of spectrum analyzers

Agilent introduces analyzers with dramatic improvements in dynamic range, measurement speed, and accuracy using a new LO, an IF integrated circuit, and powerful DSP to implement 160 digital resolution bandwidth filters.

2001: Microwave high-performance signal generator

Agilent introduces a signal generator that helps ensure accurate receiver characterization and eliminates the need for external amplifiers when testing high-power devices.

In 1939, two young engineers named Bill Hewlett and Dave Packard started a new company called Hewlett Packard (HP). The product they introduced solved a customer's problem through a significant technical breakthrough.

The model 200A audio oscillator provided superior performance over any competing device, and did so at a much lower price. Enthusiastic acceptance of this product led to the rapid development of a full line of audio frequency measuring instruments, firmly establishing the new company in the field of test and measurement.

From the beginning, Bill and Dave used the best technology to solve customer problems, and supported their products with first-class service and complete integrity. These traditions continue today, more than sixty years later.

Solving Problems with State-of-the-Art Instrumentation

As the company grew, HP followed the strategy of developing state-of-the-art instrumentation that has allowed engineers and scientists to understand and solve a broad spectrum of problems.

HP Enables Emerging Technologies

The ability to measure electronic and physical parameters, accurately and inexpensively, has helped engineers and designers to develop many consumer and industrial products that influence the daily lives of people everywhere. In addition, HP equipment has enabled advances in basic science. Today most laboratories and factories have HP instrumentation. As a result, HP has an important and longstanding role in the advance of science and technology.

HP Expands into New Fields with Agilent Technologies

As Bill Hewlett pointed out in his book, *Inventions of Opportunity,* "the company's values are based on matching technology with market needs." Agilent Technologies is the new identity for the company Dave and Bill formed in 1939. Continuing in the HP tradition, Agilent Technologies offers more than a thousand products in fields that include Electronic Test and Measurement, Chemical Analysis, Communications, Components, and Automated Test. In each of these fields we are committed to the objective Bill and Dave set for their first audio oscillator: To contribute to our customers' success.

Agilent Technologies Upholds HP Traditions of Quality, Service and Integrity

In *The HP Way—How Bill Hewlett and I Built Our Company,* Dave Packard discusses several product innovations that were major advancements in state-of-the-art technology. He explains that the products represent "the pace at which technology evolved and advanced in the last fifty-four years and the agility with which Hewlett-Packard was able to react to new technological opportunities." Agilent Technologies continues this tradition of technological advancement and commitment to customers.

Ned Barnholt, Chief Executive Officer of Agilent Technologies, promises, "We will continue to use the best technology to build great products that solve real problems, and back them up with world-class service and uncompromising integrity."

Helpful Web References

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