

A Comment



George Lange photographed Digital Equipment Corp. founder and president Kenneth Olsen in a rare informal portrail at the Sudbury Riter cance landing near his home in — Massachuzetts. See page 24.

PROFILE America's 24
Most Successful
Entrepreneur
Ken Olsen's DEC changed the way people use computers, and is IBM's most serious challenger. by Peter Petre

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MANAGING

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The company finally got the weaker dollar it was calling for—and got clobbered anyway.

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Federal Express unzaps, Fiat and Libya break up, Hewlett-Packard's troubles with Rise, and more.

PROFILE/COVER STORY

# **AMERICA'S MOST** SUCCESSFUL ENTREPRENEUR

An engineer, Ken Olsen learned how to manage by running a Sunday school. His Digital Equipment Corp. changed the way people use computers, and grew to be IBM's most serious challenger. Here's how Olsen did it and what makes him tick.

basis FORTINE considers him the greatest success.

Aimed at engineers and scientists, DECs minicomputers changed the way people compute. Before home of the property of the pr



HOUGH he has not yet become a household name, Kenneth Harry Oise and the product in the product

Canoes, not yachts, are Olsen's style. He likes roughing it on remote rivers in Canada.



students, On his passport he still lists his occupation as "engineer"; he wears durn sin so conspation as "engineer"; he wears durn sin so construction of the constru





An American Boyhood
Osen grew up in this house in working-class
Stratford, Connecticut. He worked summers at a
machine-tool company, gane his persents no
trouble, and became known as a neighborhood
Edison by fairing radies in the basement. After
graduation he joined the Navy.

to an assistant wno was give ing many ily tragedy.

Yet he is also an autocrat who at a company gathering in 1982 awarded four booby prizes to executives who displeased him.







A Computer Pioneer's Three Mentors

A Computer Pioneer's Three Mentors

Oless learned discrete his implement Sensors from three catesonic may new. At left is Georges Deriot, 87, a
DEC director and Ingendeur Harmourd Husiness School teacher. Deriot led a Beston venture capital
company formula to hold poly pubsicus in connecution after Wood Mar It is that up the seed money for DEC.
The latt Hursdi Orienge, center, van Olsen's patient. A radio recurgification dis devenely study of character, he
gave Olsen his first management job. At sight is end-intered by Perventer, 80, who hadde the MIT
completer lab where Olsen related and helped him find ways to avoid the pitfalis of fast growth.

More recently the ordered 24 senior DEC of licials to a warchouse where they spent a day armed with humaners and screewingers, which is the street of the policy wars as well again and had a reputation for advising on the policy of the policy wars as wars, and the save pieds insect up to a consertant solic associated the policy of the policy wars, and the save pieds insect up to a consertant solic associated the policy of the policy of the policy of the policy wars, and the save pieds insect up to a consertant solic associated the policy of th



Memoriclized in a Boston museum, the Writherial was MIT's first computer. Others worked on it ander lay formeter. The monitor shows Ferrentee assessing questions from Edward R. Marrous.

I LSKN had nonrefulees given little islongist to catually managing the shought to the size a single commercial, written by San, called "Murraphy of the shought to the street of the super-law shought of the street of the street

In 1951 Forrester's laboratory took on the design of a massive Cold War project known of as SAGE, the nation's first air-defense system. Intended to coordinate radios's stations, fighter squadrons, and antiaircraft batteries tem. Intended Roussian tatack, it was the 1950s forcumer of Star Wars.

1950s for

ure. His work won him a seat on the church governing board. Having put management theory into practice, he says, "I was willing to admit to myself that I wanted to manage." In 1957, the year IBMS revenues topped \$1 billion for the first time, Olsen founded 102C with Hardan Anderson, his assistant at DEC with Hardan Anderson, his assistant at torized circuit boards and computers for engineers. Olsen was one of the few engineers of the day to realize that such computing jobs as mentioring as inventory list were simple and re-keeping as inventory list work of the simple and re-keeping as inventory list work of the simple and re-keeping as inventory list were simple and re-keeping as invento

IkE THE Silicon Valley garage startups that would follow 20 years later,
DEC began with seraps—870,000 in
wenture capital, some lawn furniture,
an old roll top desk, and space rented in the
definent mith that sils serves as headquarters.
Stan, did DEC's manufacturing and selling
themselvers. Audiks sweep the floors. According to Anderson, Olsen's frugality and
mania for simplification helped the company
survive. "Ken had thousnads of ideas for
making things simple and cheap," he says.
Olsen figured out, for example, that plastic
bettle caps worked lays as well as expensive
transformers in DEC's first products. He
also determined that doors were the most
costly component of office partitions,
so DEC had no doors—not even on the
baltrooms.

so DEC, bad on doors—not even on the baltrooms.

Olsen and Anderson did not know it then baltrooms.

Olsen and Anderson did not know it then believe the state of the state of

## **SOME IMPRESSIVE ALSO-RANS**

■ Ken Olsen is but the most notable of a notable crowd. The latter half of the 20th centruly has produced does not so giant new companies and a number of new billionaties. With venture care so that the content of part of the content of the











### PROFILE

projects. That worked fine for seven years, she by 1964, with annual revenues over the \$10 -million mark, matters were getting out \$10 -million mark market and other designs in the works, all competing willy-milly for funds. The biggest headache was a large "time-sharing" computer meant to serve many users at once. The first few had been delivered to get the bugs out; in Olsen's opinion the whole project was soaking up more than its stare of funds.

Olsen was counting on the board to kill the machine once they learned about its problems. But when the issue was finally ruised, the freaders thought DCE should persecute the board to do his managing for him and begin brooding about responsibility. Before long Olsen hit upon an organizational remedy that was to quarantee DEC prominence in In Search of Excellence.

Each senior person, Olsen proposed, should take very broad responsibility for one thanking money. Each sanager would stand before DEC's operating committee facing his persers and propose at animal budget and plan; if the proposal was accepted, it became it responsibility to carry it out. If something went wrong, the same procedure would be called into play; the product managers would "now," services.

could "buy" services.

SIMPLE AND ELEGANT as the Golden Rule, Olsen's idea was good for 19 years of 30% annual revenue and the service of the



DEC was born in this once-decrepit woolen mill near Boston. It still serves as headquarters.

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hetring was ill equipped to hindle the job. While the VMSes were on the drawing board, Olsen set out to transform DBC into a unified marketing organization that would be worthy of the new products.

Olsen reshaped DEC by tessing, goading, and teaching employees, by sermonting—and by remoresiesly pillorying those who stood in his way. For example, when Olsen to the control of the

VAX program.

INALLY, in 1983, DEC's operating committee formully voted to shift profit and loss responsibility away from the should have been a trimph for Oleon, at first seemed a catastrophe. Accounting snafus ringered an enhancement of the catastrophe and the same year, DEC's highly publicated efforts to enter the office personal computer market bombed, in spite of Olsen's conviction that America's enterty of the catastrophe and the same year, DEC's included and critical spite of Olsen's conviction that America's error, not IBMs or Apple's. DEC's snow planged, and critica speculated that Olsen had occumbed to founder's disease.

A year later, however, DEC's new VAXes began rolling out. The computers and networks leapfrogged the competition: an inheratial security analyst halped DEC's smallest unit, the MicroVax II, as "the

#### PARABLES FROM PRESIDENT OLSEN







\*\*Obser's homospun moral takes, known around DEC as parables, are a favorite management to Cheep on the company's electronic managers over the company of the benefit where the company of the benefit where the company of the howolurus caphini with each other in whoch can back the whole where a shown to display the parts of the whole is and a feed of the company and so the original pages, and there is no consistency in when solessmen at surprised that of the company of the four tractors.

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If I don't get first of the whole idea of a backhoo, If I yes easy of managers of the lines. After the heavy to do all tours to till, how heavy to do all custor to till, the way to the company and so all "Obs. that of the meeting, no two generals could be a larger and raise the whole issue again, between the public the most possible to the three the public and meet more until you've con
The four managers over the company

#### PROFILE

most important new product since the IBM PC." Obser's rewamped sales and market the door and accored big gains in IBM's commercial market. Meanwhile a new system of financial controls helped boost DC's return on equity from 8.5% in 1983 to 12% last year.

Call the recognization Olsen's violourin in the desert." Olsen remembers working in a frenzy, dictaining menos at home into the night, keeping four secretaries swamped during the day. The stress of constant clash-smalings during that period a bruined, pursoid tone. "Belief poss offers no advantage in getting anything done," he told a gathering of executives. "Everyone is out to prove the boss is wrong."

of executives. "Everyone is out to prove the boso is wrong."

VEN TODAY Olsen seems to smart at what he sees as the inability of his what he sees as the inability of his what he sees as the inability of his head of the control of t