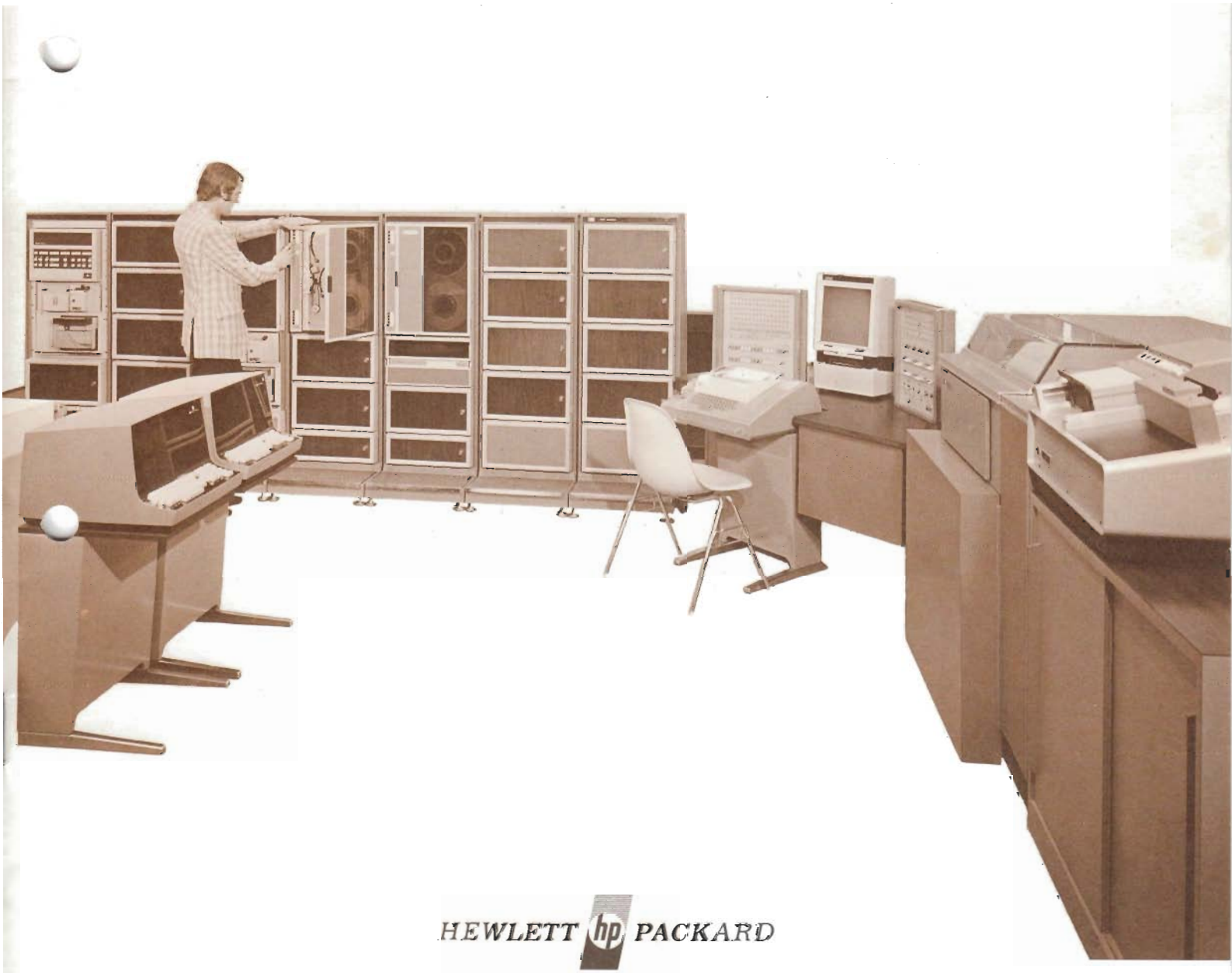
HP 3000 COMPUTER CENTER EUROPE



HEWLETT hp PACKARD

OBJECTIVES

The HP 3000 is a multi-purpose computer system that combines unprecedented capabilities into one compact system. The hardware/software modularity allows the capabilities to be tailored to the specific needs of various applications. In order to successfully integrate a system like this into a user environment, expertise is required to carry out the following tasks:

- The hard and software has to be carefully configured and tuned to achieve maximum performance.
- The users have to be trained to the appropriate levels.
- The site preparation and installation must be scheduled.
- Regular maintenance of both hard and software is required in order to guarantee HP's traditional standard of reliability.

For these reasons, a special multi-national group of factory trained hardware and software analysts was set up to form the "Computer Center Europe" in HP's European Headquarter in Geneva.

THE COMPUTER CENTER EUROPE HP 3000 SYSTEM CONFIGURATION

The system consists of an HP 3000 computer with 128K bytes main memory and 4-way interleaving, plus the following peripheral equipment:

DISC MEMORIES

30103A Fixed-head disc, 4M bytes, 10 ms average access time
30102A Disc file, 47M bytes, 29 ms average access time
30110A Cartridge disc, 4.9M bytes, 35 ms average access time

MAGNETIC TAPE UNITS

30115A Mag tape unit, 9 track, 800 CPI, 45 IPS
30116A Mag tape unit, 9 track, 1600 CPI, 45 IPS (two units)

PUNCHED CARD UNITS

30106A Card reader, 600 CPM
7260A Optical mark reader, 2400 baud

LINE PRINTER

30109A Line printer, 600 LPM
30108A Line printer, 200 LPM

PAPER TAPE UNITS

30104A Paper tape reader, 420 CPS
30105A Paper tape punch, 75 CPS
HP 2100A Computer, 12K words, with peripherals
Various types of hardcopy and display terminals
All released software is available.
The system may be accessed via terminals over the switches telephone network.

HARLAN E. ANDREWS

Harlan joined HP in 1966 where he was in charge of developing test procedures and facilities for the HP 2116A computer. He transferred to the Computer Development Lab in 1967 where he designed the direct memory increment option for the 2116 for the Nuclear Instrumentation Group.
He was Chief Designer for the HP 2114A computer and Project Leader/Designer for the HP 2114B and HP 2116C computers. He also helped to design the core memory used in the HP 3000 system.
In 1971 he joined Software development where he worked on the MPE operating system for the HP 3000 system.
He received his B.S.E.E. degree from Stanford University in 1966.

BERT E. FORBES

Bert has been designing computers for HP's Data Systems Development Division since 1967. He was Project Manager for the HP 3000 CPU and has several patents pending as a result of that project.
He is a member of ACM and the author of articles on computer architecture and integrated circuits for minicomputers.
Bert received his B.S. degree in electrical engineering from MIT in 1966 and his M.S.E.E. degree from Stanford University in 1967. He's also done work towards the Ph.D. degree.

MARC BRUN

Marc joined HP in 1968 and was, after in-depth training on all types of HP instruments including computer and software, responsible for supporting Switzerland and Eastern Europe. After that he was involved in setting up HP's data communication network for telex and order transmission.
He has been involved in various data communication projects and an on-line invoicing system for a wholesale supermarket chain.
Marc is a graduate of Ecole Nationale Supérieure des Mines de St. Etienne (France).

PAUL GAVARINI

As one of the first systems analysts in HP's European Region, Paul joined HP France in 1968 to set up the Orsay Demo Center. Later on he became responsible for the French Data Center. Paul has a deep knowledge of software and is a professor at Ecole Supérieure d'Electricité in the subjects numerical analysis and computer language theory. He is also the author of 14 books in computer science and is a licencié-ès-Sciences and Ingénieur E.S.E.

RAINER DERN

Rainer joined HP in Frankfurt in 1969 after working several years for the Air Force and computer companies. Among other things he was involved in keeping the computers in the Early Warning System going.
Before joining Computer Center Europe as a 3000 hardware specialist, he was Group Leader of the Data Products Service Group in Germany. He has also been acting all over Europe as a "flying" moving-head disc specialist.

FRITZ H. JÖRN

Fritz joined HP in 1969 and became the first systems analyst in Germany. Working out of Frankfurt, he was frequently traveling in Europe to support the HP organizations and their customers. A number of visits to Data Centers in England and the United States enabled him to help building up the HP's computer knowhow on the European continent.
In 1970 he became responsible for setting up and managing HP's second European Data Center in Milan, and later on also the third Data Center which is located in Frankfurt.
Fritz has spent about 1½ year in the United States to study the HP 3000, and is now responsible for Computer Center Europe.
Fritz received his Dipl. Ing. at T.U. Berlin and holds a Doctor degree of Politecnico di Milano.


Harlan E. Andrews


Marc Brun


Rainer Dern


Bert E. Forbes


Paul Gavarini


Fritz H. Jörn

BJÖRN LINDBERG

Björn joined HP in Stockholm in 1969 as the first systems analyst in HP's Scandinavian area. As such he was supporting the full range of HP software systems, and especially time-sharing systems.
Before joining the Scandinavian Data Center he was among other things responsible for the implementation of a computerized process control system for a paper mill, and the design of a warehouse control system. He has also been involved in the design of a high-speed I/O channel for a real-time computer and the implementation of a real-time operating system.

ERICH A. TASCHNER

Erich has a long experience in the fields of digital and analog process control systems and computer design.
Before joining HP he built a dedicated computer for airborne application.
He joined HP's Data Center in Frankfurt in 1970 and has been there involved in supporting the HP DOS-M and time sharing systems. He wrote special application programs for key-oriented file management and was involved in customer training.

ENRICO P. MARIANI

Enrico has been working as a systems analyst in HP's Data Center in Milan since 1970. He is the author of many programs in the contributed library of which drivers, math routines and a small data base management system can be mentioned. Before joining HP he was an officer in the Italian Navy with the main occupation to design digital hardware.
Enrico received his Dr. of Electronic Engineering degree from Politecnico di Milano in 1967.

RAY WOODCOCK

Ray joined HP in 1963 and was for some time working in Production Engineering in the Bedford factory before he moved to the Slough office to work as a service engineer. He has held positions as Hardware Support analyst in the U.K. Data Center and as Hardware instructor in the Data Products Training Group and is currently responsible for the HP 3000 hardware training.
Ray received his H.N.C. in Electronics Engineering in 1967.

JOHN D. PAGE

John had experience in both the hardware and software area when he joined HP's English Data Center in Slough in 1970. He has mainly been working as a software instructor but has also been involved in supporting the field as a systems analyst. Before joining HP, John worked with ICL in London in a development and system commissioning role. He also has experience in the design of computer-driven numerically controlled machine tool systems.

ANNIE BRINER

Annie helps keeping the computer center working by being our capable and helpful secretary.


Björn Lindberg


Enrico P. Mariani


John D. Page


Erich A. Taschner


Ray Woodcock


Annie Briner