ON LINE

DIGITAL EQUIPMENT CORPORATION JANUARY 1970

From Maynard... ....to Vietnam... ...to Crows Nest

George Suller, a PDP-8 systems technician at Maynard, on leave from Army duty in Vietnam, recently stopped in to chat with Branch Manager John Kilkenny of Digital Equipment Australia in Crows Nest, Sydney, Australia, during a rest and rehabilitation break.

Need PDP-1 Specs? They're Available

If you should need the specification drawings for the original PDP-1, as well as for all the changes that were ultimately made to it, you could get them more easily than you think.

Jim Quinn, Supervisor of Information Services, a section within the Drafting Department, asserts that within a short time his staff can find nearly any drawing, original or revised, for any Digital computer ever made. This is possible because of a well maintained, accessible system of storage.

Each engineering drawing is filed in several ways. Two copies are stored on microfilm, made with a 35 mm. Planetary camera. One is filed on a keypunched card in Information Services, while the other is stored in a steel file in Security, in the event of fire. The original vellum is kept in a drawing file in Information Services. Automated wirelists and block schematics are filed on magnetic tape and DECtape.

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New DECade Launched With Introduction of PDP-11

"The PDP-11 will redefine the concept of the minicomputer as a small package sold at a low price but having large computer capabilities," said **Roger Cady**, Engineering Manager for the much-anticipated computer recently unveiled by Digital.

In emphasizing that the PDP-11 introduces a whole new product line and not just a different version of an existing computer, Roger asserted, "It embodies several new concepts never before available in minicomputers."

The PDP-11 was the result of many months of market surveying and, according to both Roger and **Ken Hedberg**, of PDP-11 marketing, will be versatile enough to appeal to many markets. Not only will the PDP-11 fit into laboratory systems, but it will also be at home in an office, a school environment, or for use as a control system.

The new computer had its inception a year ago May with a small group of men working on various design concepts and features. It wasn't until January of 1969 that Roger and Ken were put on the PDP-11 full time. Several months ago, **Julius Marcus** was appointed Marketing Manager, and recently, **Andy Knowles** became Product Line Manager.

During the year from January 1969 to January 1970, the PDP-11 Group devoted their full time to development of the 16-bit computer. Sixty to seventy-hour weeks were not uncommon. **Hal McFarland**, now with Peripheral Engineering, contributed to the conceptual design, **Bruce Delagi** worked on systems design, **Jim O'Loughlin** was responsible for the central processor, **Paul Janson**, the Unibus® and peripherals, while **Bob Hamel** and **Peter Durant** designed the memory system. **Andy Verostic** and **Chuck Dewey** of Field Service and **Art Spear** and **Rick Cygan** of Production were instrumental in debugging the prototype systems. **Charlie Learoyd** was responsible for the console and also helped with the debugging. **Dave Nevala** of Mechanical Engineering and **Chuck Blasi** were responsible for the mechanical design. It was, according to Roger, "a team effort."

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Part of the Team:

The PDP-11 group (or part of it!), l. to r., Bruce Delagi, Mal Fritz, Paul Janson, Andy Verostic, Jim O'Loughlin, Charlie Learoyd, Rod Duane, Ken Hedberg, Dick Cygan, Dave DiGirolamo, Bob Hamel, and Roger Cady. Missing: Steve Polednak, Steve Rothman, Pete Durant, Vince Bastiani, Erik Eriksen, Andy Knowles, Chuck Blasi, Larry Condon, Dick Manion, Ron Miller, Serge Shammas, and Ellen Pellegrini, secretary.