

## **Software and sample programs for the English Electric KDN2, KDF6 and KDF7 computers.**

### **KDN2.**

A version of the English Electric DEUCE Alphacode is available for the KDN2. Floating-point operations may be carried out using standard Alphacode subroutines, library subroutines or may be implemented in machine code by the user. At the time of writing, no further information has come to light on the KDN2's software, nor have any sample programs been obtained.

### **KDF6.**

The brochure *English Electric KDF 6 Office Data Processing System* mentions three programming systems. The first is "a new programming language called TALK", in which programs are written as "clear, meaningful English statements". No examples are given, but the description suggests a COBOL-like structure with separate data and procedure descriptions. Procedure descriptions could contain imperative statements such as MULTIPLY and conditional statements such as IF or UNLESS. In addition there was a KDF 6 "User Code" – for "direct programming", i.e., an assembler with relative and symbolic addressing, comments, etc. At a lower level there is provision for "Machine Code" – a purely octal notation. (Some KDF6 sites, for example the one at the London Borough of Harrow, programmed exclusively in octal). Other software mentioned includes a library of standard procedures for sorting, sterling and decimal conversion, control of peripheral devices, sorting and data manipulation.

Writing an Algol 60 system for the KDF 6 was one of the first projects undertaken by Computer Analysts and Programmers (CAP) Ltd

### **KDF7.**

At the time of writing, no further information has come to light on the KDN7's software, nor have any sample programs been obtained.