ICL

COMPUTERS IN EDUCATION

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2903
Educational
System

COMPUTERS IN EDUCATION

Today, we rely on computers in every aspect of our daily life. They are becoming as common as the telephone, and soon they will be just as accessible. Because of this, people taking up jobs in industry, commerce and government need to have a sound awareness of the computer and all its diverse applications.

This new demand for computer knowledge is already being reflected in education where computers are increasingly being used for teaching as well as for general administration. However, both these application needs cannot be satisfied economically by many of the available systems.

As a major computer supplier to the education market, ICL is in touch with these new trends. That is why it can now offer a cost-effective solution to this dilemma. The benefits will be mutual. For, if today's students can learn to use computers with as much confidence as they use the telephone, they will work more efficiently with computers in tomorrow's world.

ICL IN EDUCATION

ICL's position as a major international systems supplier is largely due to its in-depth knowledge of market requirements. This understanding has led to many highly successful collaborative ventures with customers to ensure that the right products, services and expertise are available to satisfy user needs.

Education establishments have frequently partnered ICL in developing an impressive list of firsts. The latest is a new system ideally suited to the computing requirements of Colleges and Institutes of Higher Education. Called the 2903 Educational System, it is a special version of ICL's powerful 2903 computer which is outselling all previous small systems sold by ICL in world markets.

Developed jointly with North Staffordshire Polytechnic, the 2903 Educational System is a composite package of special hardware, software and services. It offers Educational Establishments an easy to use, low cost entry into advanced computing techniques. For about the same cost as a mini computer, the 2903 Educational System user can now enjoy all the benefits of ICL's wide range of administrative applications in addition to simultaneous interactive operation of up to 16 terminals.

THE TOTAL APPROACH

With the 2903 Educational System, Colleges can benefit from the total approach to computing. This approach encourages the use of computers in teaching non-numerate subjects, assists in management and administration of an Educational Establishment and gives computer science and business studies students hands-on experience of the latest techniques and facilities available to commercial users.

While some Educational Establishments have already adopted the total approach in principle, many more have been unable to afford the type of system capable of supporting a truly balanced programme of computer education in subjects across the curriculum. The 2903 Educational System offers a really cost-effective solution.

Computers must earn their keep. Moreover, the comprehensive educational computer has to be instructive as well as resource saving. The 2903 Educational System is both. It is offered with a wide range of programs written by ICL and educational users and can be used, without specialised computer knowledge, by teachers, administrators and students alike.

THE 2903 EDUCATIONAL SYSTEM

FOR TEACHING

The 2903 Educational System provides a variety of software packages to aid the teaching and learning process:

Simulation
The ability to simulate scientific, economic and business situations extends the students' practical experience and project work into areas which have been impossible, too expensive or too risky.

Information Retrieval
The educational potential of this computing technique is now being recognised, particularly in the non-numerate subjects. Files of data relevant to course studies, such as census, economic, legal or historical data, can be compiled and retrieved in response to enquiries, encouraging teachers and students to acquire knowledge.

Calculation
The supply of very many mathematical and statistical programs to assist the student in performing tedious or lengthy calculations and help test his theoretical knowledge in practice.

Surveys
Surveys are being used increasingly to provide data for geography and the social sciences. Frequently the usefulness of such surveys is limited by the amount of manual processing and analysis of results that can be carried out. The 2903 Educational System provides software to automate this process and rapidly produce information.

FOR MANAGEMENT AND ADMINISTRATION

The facilities and diverse applications which made the basic 2903 an international best seller are also ideally suited to managing an educational establishment.

Among the diverse applications which can be implemented are:

Student records

DES returns

Library records

Financial programs

Resource allocation

Institutional modelling

Timetables and course planning

Project management

Managers and administrators will also find the information retrieval facilities extremely useful for controlling and planning daily affairs of the college.
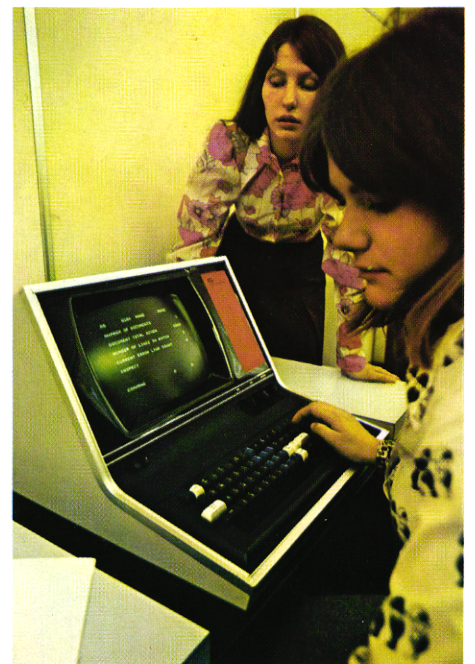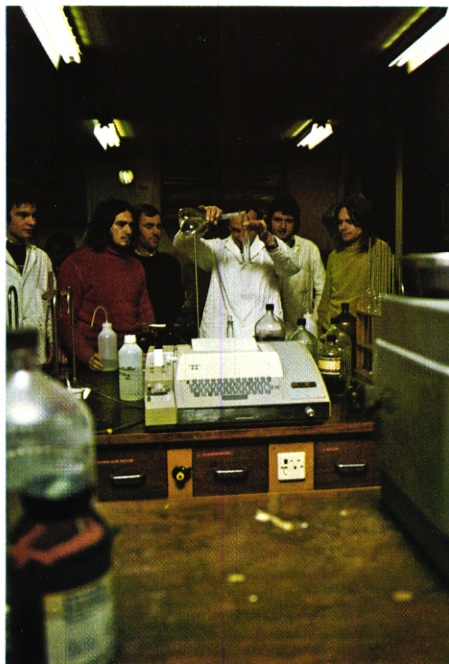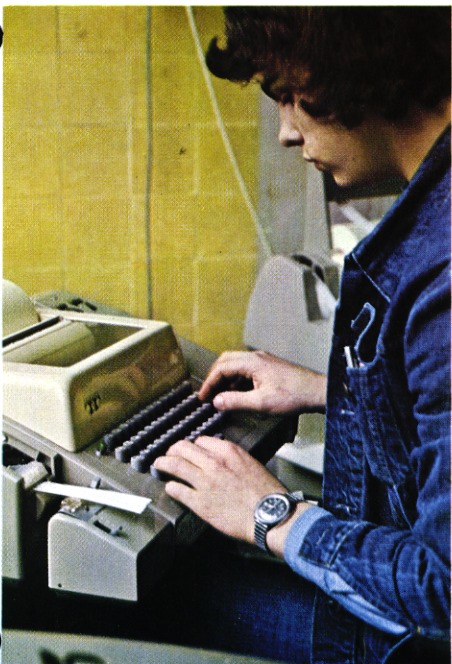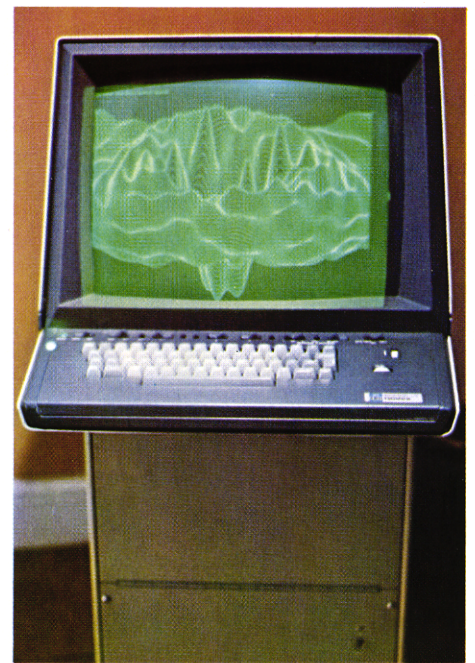
IN COMPUTER PRACTICE AND APPRECIATION

Computer techniques such as direct data entry, spooling and the compilation of programs in major languages BASIC, FORTRAN, COBOL, ALGOL, CESIL, SIR, RPG2 and PLAN are all provided with the 2903 Educational System. This makes it easy for the student and teacher to use its facilities and acquire practice in using modern data processing techniques.

With all its comprehensive facilities, the 2903 Educational System is very easy to operate and is capable of unattended operation in a normal classroom or office environment.

THE 2903 EDUCATIONAL SYSTEM

ICL's policy of developing new products from well-proven technology is reflected throughout the 2900 Series. The 2903 Educational System is no exception. Building on the basic 2903's international success, the 2903 Educational System makes the total approach to educational computing a reality. More facilities at less cost than many existing computers. Check for yourself.

The 2903 Educational System comprises:

ICL 2903 computer system including video console with enquiry terminal facility

Modular terminal processor for up to 16 terminals

New interactive BASIC operating system

Comprehensive catalogue of educational software

Graphics and GINO-F

Easy operation in a normal classroom environment

Remote job entry to other 1900, System 4, 2903 or IBM systems

All major programming languages

Standard 2903 applications plus direct data entry, file enquiry and spooling

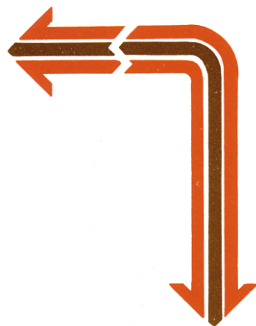**A selection of 1900 applications software**

Professional ICL support, training, documentation and maintenance

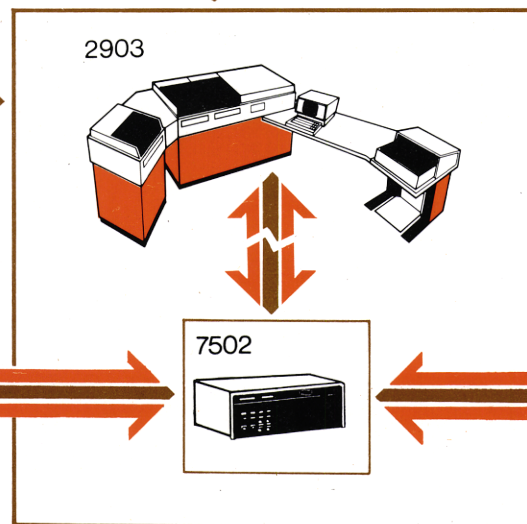**Commercial terms devised for the educational user.**
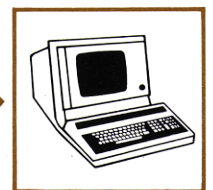
Data Capture unit
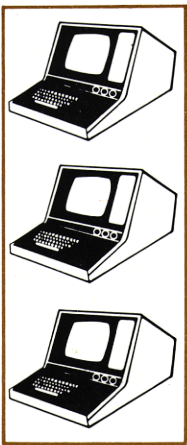
Optional telephone data link to a computer network
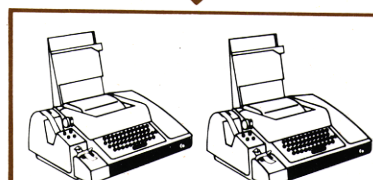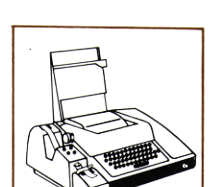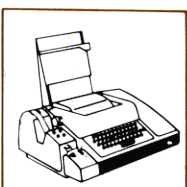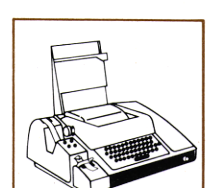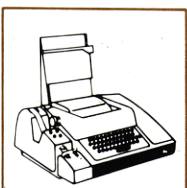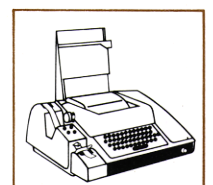
Educational Computer Centre

Administration or Registrar's office

2903

Departmental terminals

7502

Departmental terminals

Terminal common room

YOUR OWN
2903
EDUCATIONAL
SYSTEM

Every 2903 Educational System is supported with professional advice and guidance and an efficient maintenance service. Extensive documentation guarantees the success of each project and obviates the need for highly trained operations staff.

The exact configuration of each 2903 Educational System and its terminal network depends on individual requirements. To find out how all its facilities can make the total approach a practical proposition for your establishment, contact any of our staff.

THINK
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