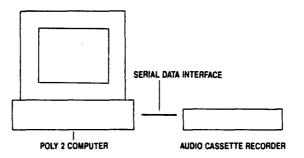# STANDALONE LEARNING and AUTHORING SYSTEM

POLY2 may operate separate from the classroom network system when used with an audio cassette tape recorder/player to provide storage and playback of data, courseware and programmes. This arrangment is particularly useful for individual tuition separate from the classroom and for modification or authoring of courseware.

SERIAL DATA INTERFACE

POLY 2 COMPUTER   AUDIO CASSETTE RECORDER

This arrangement utilises the optional Serial Data Interface to connect to suitable cassette machines. Serial data is transferred at 1200 Baud rate. It is necessary to load the system software to the POLY2 prior to use and this takes approximately 90 seconds. The additional time taken to load courseware or authoring aids depends on the size of those programmes.

Programmes originated in Standalone configuration may be transferred to Disk storage once the POLY2 is reconnected into the network and information stored on cassette is loaded.

Configuration

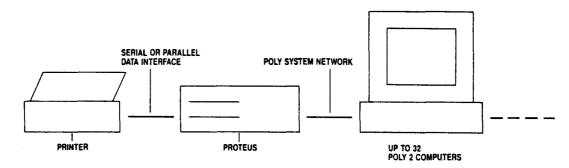The Standalone Learning and Authoring System comprises;

POLY2 Computer with optional Serial Data Interface and cassette interface cables, Cassette recorder/player.

POLY 2 *LEARNING SYSTEM*

PROGENI

CLASSROOM NETWORK SYSTEM

Experience has proven that a purpose designed computer can make a most significant contribution to learning.

Obtain the benefits of the fully integrated network approach to economic use of the microcomputer as a resource, right across the curriculum, right across the classroom and right across the college, with the POLY2 Learning System.

SERIAL OR PARALLEL DATA INTERFACE   POLY SYSTEM NETWORK

PRINTER   PROTEUS   UP TO 32 POLY 2 COMPUTERS

The POLY2 Learning System is a flexible yet simple configuration which finally removes the impediments to use of the microcomputer as a resource in the widest range of syllabus. Simple to use, it requires no special computer know-how to obtain the full benefits.

Each POLY2 is capable of independent use for courseware, testing, authoring, creative composition or programming.

Disk storage of up to 1.2 MByte capacity, and printers and other peripherals are economically shared via the purpose designed, unique POLYNET communication interlink. POLYNET is automatic, so fast and forgiving, users are unaware it exists. POLYNET also provides such learning oriented features as BROADCAST, a means of transfer of courseware modules to all POLY2's in the network simultaneously.

Each POLY2 features RAMDISK, a portion of dynamic memory which operates like disk storage, providing almost instantaneous response to user requirements for data, files, courseware and graphics. This special memory may be loaded using the BROADCAST feature at the commencement of use.
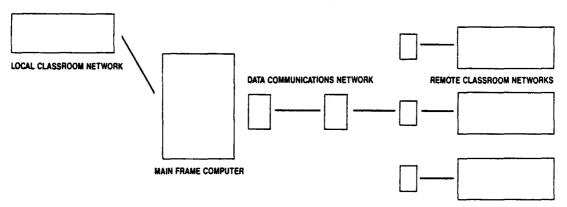
Configuration

The POLY2 Classroom Network System comprises;
From one, to a total of 32 POLY2 computers, PROTEUS computer, optional printer or other peripherals.

POLY 2 *LEARNING SYSTEM*

PROGENI

DISTRIBUTED LEARNING SYSTEM

The POLY2 Learning System offers new opportunities for economical sharing of training and educational resources within organisations and administrations with existing D.P. networks.

Using the capable interfacing ability of the PROTEUS Computer, any number of local POLY2 networks may share communications and centralised library facilities based upon the D.P. Mainframe, so making most economic use of existing data communications facilities.

Courseware, student and tutor data, programmes and student records, for example, may be stored and shared. Courseware or other material produced by a single authoring facility may be quickly replicated throughout the network of POLY2 local systems, maintaining absolute currency and relevance of material.

The POLY2 system provides flexibility of communications with most Mainframe machines and communications software already exists for several brands.
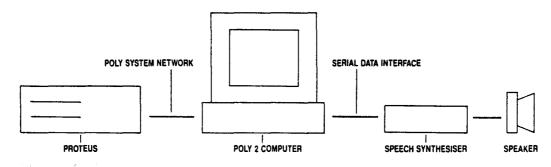
Configuration

The POLY2 Distributed Learning System comprises any number of POLY2 Learning Systems connected to the D.P. Mainframe via the PROTEUS Computer modem port and suitable data communication equipment. Communications software, running in the PROTEUS Computer provides any necessary protocol conversion.

POLY 2 *LEARNING SYSTEM*

PROGENI

INTERACTIVE SPEECH SYNTHESIS

POLY2 provides "state of the art" speech synthesis to enhance interactive learning programmes. This is achieved by use of the EASYTALKER advanced synthesiser to provide crisp, clear natural sounding speech.

The POLY2 Learning System connects directly to the Speech Synthesiser via the optional Serial Data (RS232C) interface. Both volume and inflexion of speech may be controlled from the learning programmes themselves.
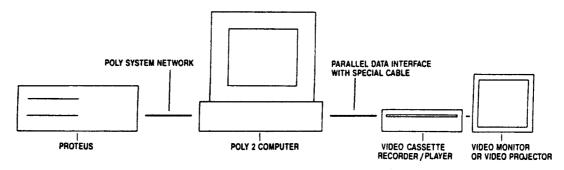
Configuration
The Interactive Speech Synthesis System comprises;
POLY2, Computer, with optional Serial Data Interface, PROTEUS Computer, EASYTALKER Speech Synthesiser.
(EASYTALKER is a registered mark of Robotron Pty. Ltd.)

POLY 2 *LEARNING SYSTEM*

PROGENI

INTERACTIVE VIDEO TAPE

Now, for the first time, you can use existing video tape material with a computer learning system to provide more explicit simulation, for highly effective, interactive learning programmes.

POLY SYSTEM NETWORK   PARALLEL DATA INTERFACE
             WITH SPECIAL CABLE

PROTEUS   POLY 2 COMPUTER   VIDEO CASSETTE VIDEO MONITOR
                    RECORDER / PLAYER OR VIDEO PROJECTOR

Now, using POLY2 and Progeni's FORGE Video Editor you can edit existing video materials precisely the way you want them, for courseware, for lectures, for tests, for individual tuition. There is no need to produce special video programmes. It is even possible for students to develop their own essays including video illustration.

The POLY2 Learning System directly controls all operations of the video recorder/player (Model AG6200) or player (Model AG6100), minimising the cost of interfacing. Longitudinal or vertical interval time code recording is not necessary, so the expense of time code recorders and decoders is avoided. A simple robust cable connects both POLY2 and tape machine.

POLY2 provides a frame location accuracy of better than plus and minus two frames anywhere in tapes containing up to 45,000 frames (30 minutes playing time). This provides for video sequences to be selected and displayed consistently and "still" frames to be reproduced reliably.

The Models AG6200 and AG6100 tape machines provide playback of VHS format in both PAL and NTSC (4.43) systems. Taped material originated on either system may be reproduced and controlled by POLY2, thus extending the application to a wider range of existing video programmes. Both models feature outstanding durability to maintain original precision of operation.

Configuration

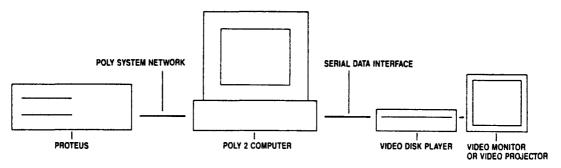The Interactive Video Tape authoring and delivery system comprises;

POLY2 computer, PROTEUS Computer, Tape Recorder/Player Model AG6200 or Player Model AG6100 and FORGE Video Editor.

(Panasonic Video Cassette Recorder/Player models AG6100, AG6200 are products of Matsushita Electric)

POLY 2 *LEARNING SYSTEM*

PROGENI

INTERACTIVE VIDEO DISK

Now, you can interactive video with a computer learning system using any video disk with a CAV format. It is also possible to have a limited amount of interaction with disks having CLV format.

POLY SYSTEM NETWORK   **SERIAL DATA INTERFACE**

PROTEUS   POLY 2 COMPUTER   VIDEO DISK PLAYER   VIDEO MONITOR
                                                                     OR VIDEO PROJECTOR

Now, using POLY2 and Progeni's FORGE Video Editor you can edit video disk materials precisely the way you want them, for courseware, for lectures, for tests, for individual tuition. It is even possible for students to develop their own essays including video illustration.

The POLY2 Learning System directly controls all operations of the VIDEO Disk player. A simple robust cable connects both POLY2 and video machine.

The system provides exact frame location accuracy anywhere on a disk containing 54,000 frames of information. This provides for video sequences to be selected and displayed consistently and "still" frames to be reproduced reliably. This achieves more explicit simulation, for highly effective interactive learning programmes.
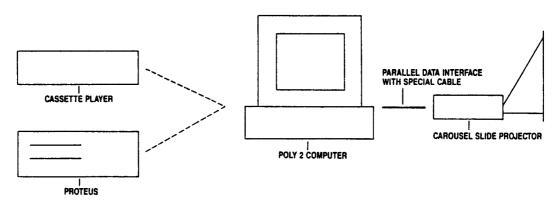
Configuration

The Interactive Video Disk authoring and delivery system comprises;

POLY2 computer with Serial Data Interface, PROTEUS Computer, Magnavox Video Disk player and FORGE Video Editor.

POLY 2 *LEARNING SYSTEM*

PROGENI

LEARNING SYSTEM
with SPECIFIC VISUAL
SUPPORT

POLY2 graphic performance may be augmented with the display of specific visual materials by the use of the slide projector.

Carousel projectors having electrical remote control may be controlled directly from courseware via the Parallel Data interface on POLY2. (A voltage converter unit may be required for some models, and is connected between the POLY2 and the slide projector). The carousel may be stepped forward or back, by a prescribed number of slides, to provide limited interactive performance.
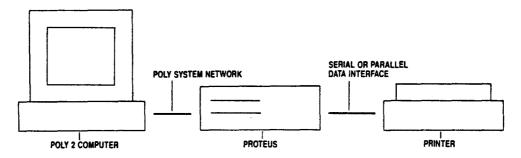
Configuration
The Slide projector system comprises;
POLY2 Computer, PROTEUS Computer or alternative Cassette Recorder/Player, Carousel Slide Projector. (Interface Unit if required)

POLY 2 *LEARNING SYSTEM*

PROGENI

CP/M OPERATING SYSTEM

Access is now provided to the extensive range of commercial and business software, available for use with the CP/M operating system, for trainers and educators using the POLY2 Learning System. Wordprocessing, database, accounting, spreadsheet modelling, course notes, instruction manuals, are just some of the applications readily available.

POLY SYSTEM NETWORK　　　SERIAL OR PARALLEL DATA INTERFACE

POLY 2 COMPUTER　　　　　PROTEUS　　　　　PRINTER

Utilising the unique dual operating system capability of the PROTEUS network computer the POLY2 Learning System provides full configuration featuring 80 column format and independant control of background and text colours, bringing new ease of use and providing the choice of colours favoured by individual operators.

Operation is simply a matter of loading the CP/M floppy disk rather than a Poly System disk.

The optional high resolution monitor provides a high quality presentation of the 80 column screen format.

Configuration

The single user POLY2 CP/M System comprises;

POLY2 Computer, PROTEUS Computer, optional Printer, System disk with CP/M operating system.

(CP/M is a registered mark of Digital Research Corp)

POLY 2 *LEARNING SYSTEM*

PROGENI