

SA  **SANDERS
ASSOCIATES, INC.**

CREATING NEW DIRECTIONS IN ELECTRONICS

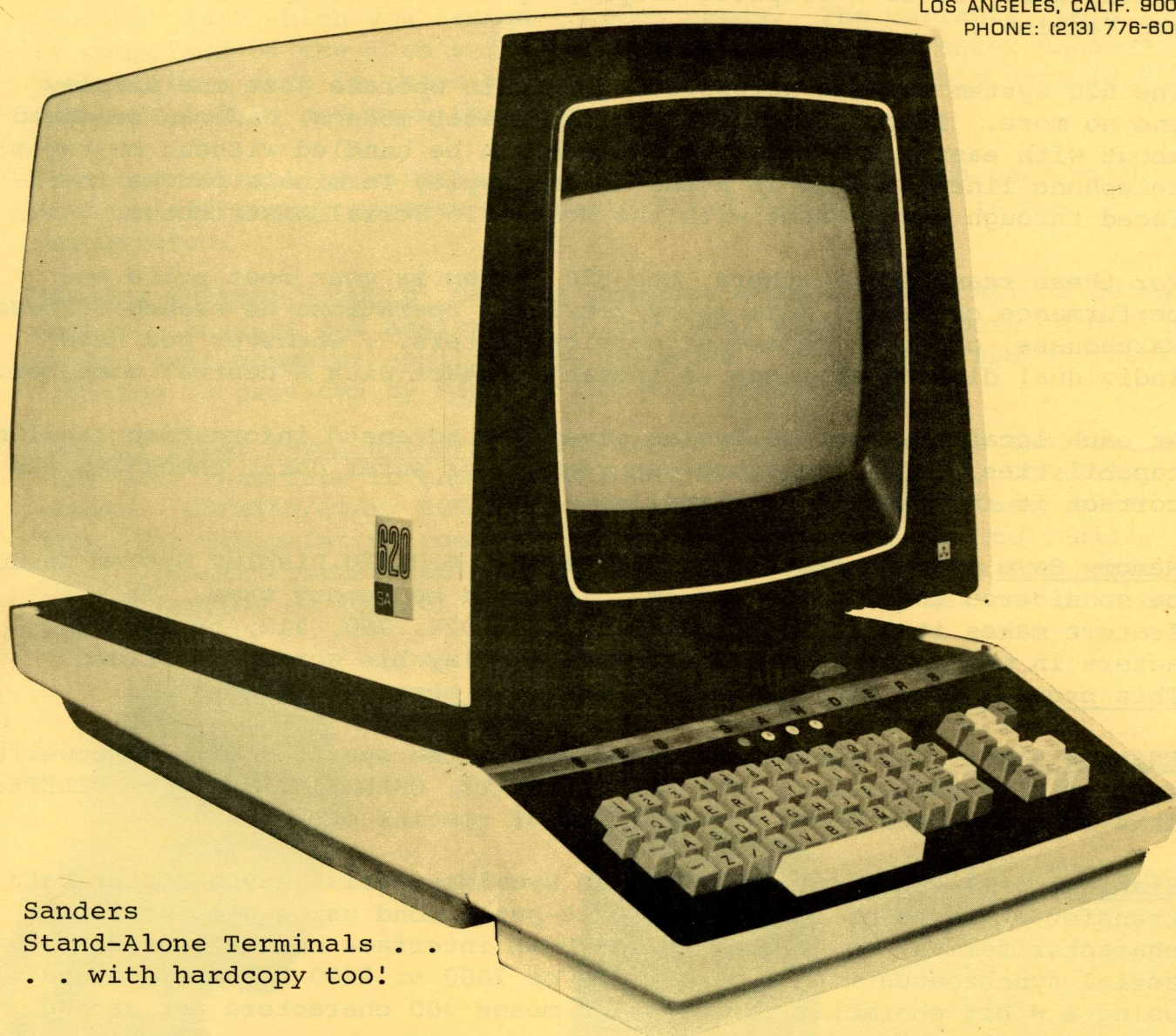
DATA SYSTEMS DIVISION

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SUITE 514

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Sanders
Stand-Alone Terminals . . .
. . with hardcopy too!

The Model 620 Data Display System is complete in a single, compact portable unit that connects directly to your dataset.

This unit interfaces directly to teletypewriters, giving you hardcopy print out without cumbersome and expensive control units.

With the copy block key, only data required to fill the selected blanks on your pre-printed form is transferred to hardcopy. The copy page key causes all displayed data to type.



Instant Conversation with Central Computer from Remote Locations
Sanders new 620 Stand-Alone Data Display System is specifically designed to provide maximum economy in remote, independent-display operations. It is a complete display system in a compact, desk-top terminal.

The 620 System has the hardware required to operate just one display and no more. It connects directly to dataset modems, and can be moved about with ease. Cluster applications can be handled without multiple telephone lines. Up to 16 Stand-Alone Display Terminals can be interfaced through one dataset with the Model 716 Serial Distributor.

For these reasons and others, the 620 System is your best price and performance choice in data entry/retrieval operations at branch offices, warehouses, order and customer service centers. . whenever you need individual display stations in instant contact with a central computer.

At each location, the 620 System gives you advanced information handling capabilities. Your operators can request or enter data, check it, and correct it immediately. . visually.

Memory Save If one feature of the Sanders 620/720 Display System could be considered the outstanding one, it would be memory save. This feature makes it possible to display the 1024, 780, 512, or 256 characters in memory over any of the 2048 displayable screen positions. This provides the best means for efficient message presentation.

Editing Power The Sanders terminal allows the operator simple, powerful text editing capability. She can. . LOCATE, CHANGE, INSERT, or DELETE. This enhances both speed and accuracy of routine operation.

Standard DATA-PHONE interface module provides serial asynchronous data transfer at rates of 110 to 2400 bits-per-second using a 10 or 11 bit character format. High speed DATA-PHONE interface module provides serial synchronous transfer at rates of 2000 or 2400 bits-per-second using a 8 bit character format which means 300 characters per second.

Speed Direct computer interface module employing parallel inputs and outputs for operation at rates as high as 47.5K characters per second.

C.P.U. Edit Display and Correct The C.P.U. can address any block, line or field on the Sanders display, and cause it, for instance, to blink to bring it to the operator's attention; and also lock the cursor to this area. An operator cannot cross block-boundaries, hence, indicative and format information is protected, i.e., variable length message.

FORMAT MODE. . lets you employ two separate, superimposed data fields on the screen. . one fixed, the other variable.

The fixed field can be a format of headings, rows, columns. . a complete form which you design to your needs. The variable field is comprised of the form's fill-in spaces. Operators enter data and retrieve data in these spaces, and only this variable data is communicated to and from the computer.

Your communications circuit and computer memory are both used with maximum efficiency because the basic fixed field format is not transmitted.

Sanders Systems Support Sanders provides overall applications design support; advises and assists on First Level Program Support; and helps de-bug user computer applications programs. Programmer and operator training is provided by Sanders for your personnel.

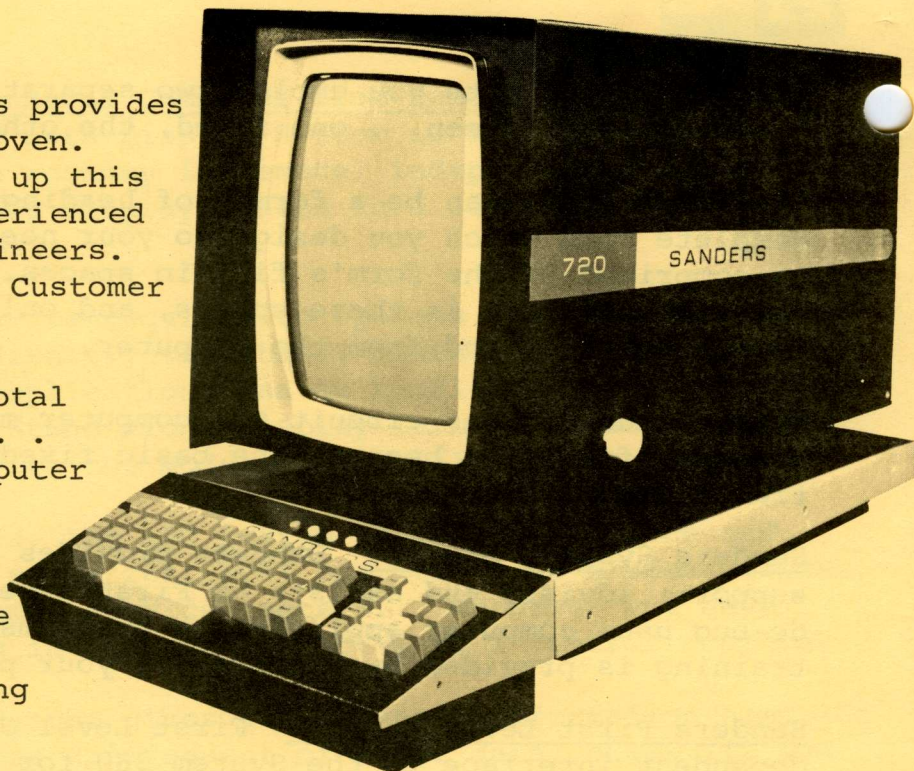
Sanders First Level Support First Level Support provides the device dependent interface to the System 360 for local: OS/GPS, DOS/BTAM. Remote: OS/BTAM/QTAM, DOS/BTAM/QTAM. We also provide a series of character manipulation routines, and macro instructions, to facilitate: general purpose editing, reforming of message data for hardcopy, and generation of control characters for positioning message data on the screen.



Service Sanders Data Systems provides reliability that has been proven. Here in Los Angeles, to back up this reliability, we maintain experienced factory trained customer engineers. Los Angeles is also Regional Customer Engineering Headquarters.

Dedicated Support Sanders total support program is dedicated. . . channeled directly. . . to computer communications systems.

Our systems, service, and sales personnel have this one area of dedicated concern. Perhaps some of us are getting to be experts.



Who's Sanders? Sanders is a dynamic, highly responsive user-oriented electronic systems company now employing over 10,000 people. Estimated sales for 1969 are \$225,000,000.

Sanders Associates, Inc. was founded in 1952 by Royden Sanders, Jr. and eleven other Raytheon employees who were involved in the development of continuous wave radar. The Data Systems Division of Sanders Associates, Inc. was founded to provide a large research, marketing and support organization for the sale of commercial data displays.

You deserve the best Sanders has the best CRT systems today. . . Data Inquiry, Data Update, Data Preparation. . . on line, off line, local, remote. (High and low speed printing, punched paper tape, light pen, options, too).

Backed by Sanders software, Sanders savvy, Sanders reputation. . . support dedicated to Data Inquiry, Update and Preparation

Get yourself what you deserve. . . the best. Check us out.

Call (213) 776-6080. Thanks.

Robert Slattery, Regional Sales Manager
Robert Topper, Regional Systems Manager
Guy Fusco, Regional Service Manager
John Symons, Branch Sales Manager