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SDD LOS GATOS  
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Ext. 622-5239

August 28, 1973

MEMO TO: Mr. J. F. Talerico, Mgr.  
GSD Industrial Design Coordination

SUBJECT: SCAMP

I have been requested, as per your telephone conversation with Joe George, to send whatever information I have to you so that a model can be prepared for the presentation in Atlanta on September 4.

I have reluctantly agreed to send the following information and sketch, because a detailed packaging layout has not been made to prove that the new overall dimensions will in fact be sufficient to house the required components. I have reviewed the next version, both the design and size target, with Dave Slattery during his recent visit, and some of the possible packaging problems with Roy Harper and his group, and have voiced my objection to a mock-up being shown at this early date which may be misleading. However, if you are still concerned with having something to show at the meeting, I hope the following information is of help.

According to Delta Airlines, the space available under the seats, which they say is standard on all their aircraft, is 16 in. wide X 18 in. long X 9 in. high. In preparing a preliminary layout the 18 in. depth is not satisfactory for our requirements and has been changed to 20 in. by the request of Roy Harper. Also, the 9 in. high dimension would make the new case more bulky looking compared with the existing case which is 7 in. The monitor may, however, force the case to be closer to the 9 in. dimension if it is fixed rather than movable as it is presently. The 20 in. depth would also allow space at the rear of the unit for the acoustic coupler and electrical connector panel. The fan may also have to fit into the same area, since the electronics and monitor take up most of the width of the unit. The following components are to be housed in the new case:

- I. TV Monitor - Ball Brothers Model TV-5C 4.63 in. high X 5.0 in. wide X 8.5 in. deep.
2. Lenco - Cassette Recorder: 4.5 in. wide X 5.5 in. long X 2.5 in. deep (Swiss made).

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Joe Talerico

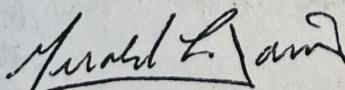
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3. Electrical Connector Panel (in rear) approx. 1.5 in. X 1.5 in. X 8.0 in. long.
4. Keyboard - Calico (without circuit card extending out beyond housing) 54 key as shown in APL/360 users manual, page 1.3 with possible one row of 4 keys to the right. Approx. dimensions: 13 in. long X 5 in. wide.
5. Fan - muffin type: 3 in. x 3 in. x 1.5 in.
6. Electronics - Approx. 9 in. x 9 in. x 6 in. using 7.0 in. case, 8 in. using 9 in. case.
7. Acoustic Coupler - New design, no size presently available. The coupler will probably fit in rear of unit or be built into the keyboard cover.
8. Power Supply - 3 in. x 6.5 in. x 4.75 in. high and 1.5 in. x 3.5 in. x 4.75 in. high mounted in L shape with the 3.5 dimension the length of one leg and the 6.5 in. the other leg. (This is subject to repackaging).

As you will see the alternate design concept is more of a rectangle to keep the overall size down to a minimum. No attempt was made with this sketch to sculpture the case exterior, and was intended only as a means to show the desired location of the monitor, recorder, keyboard, etc. The cover would have to become thicker if the acoustic coupler becomes an integral part of the cover as suggested by the dotted lines.

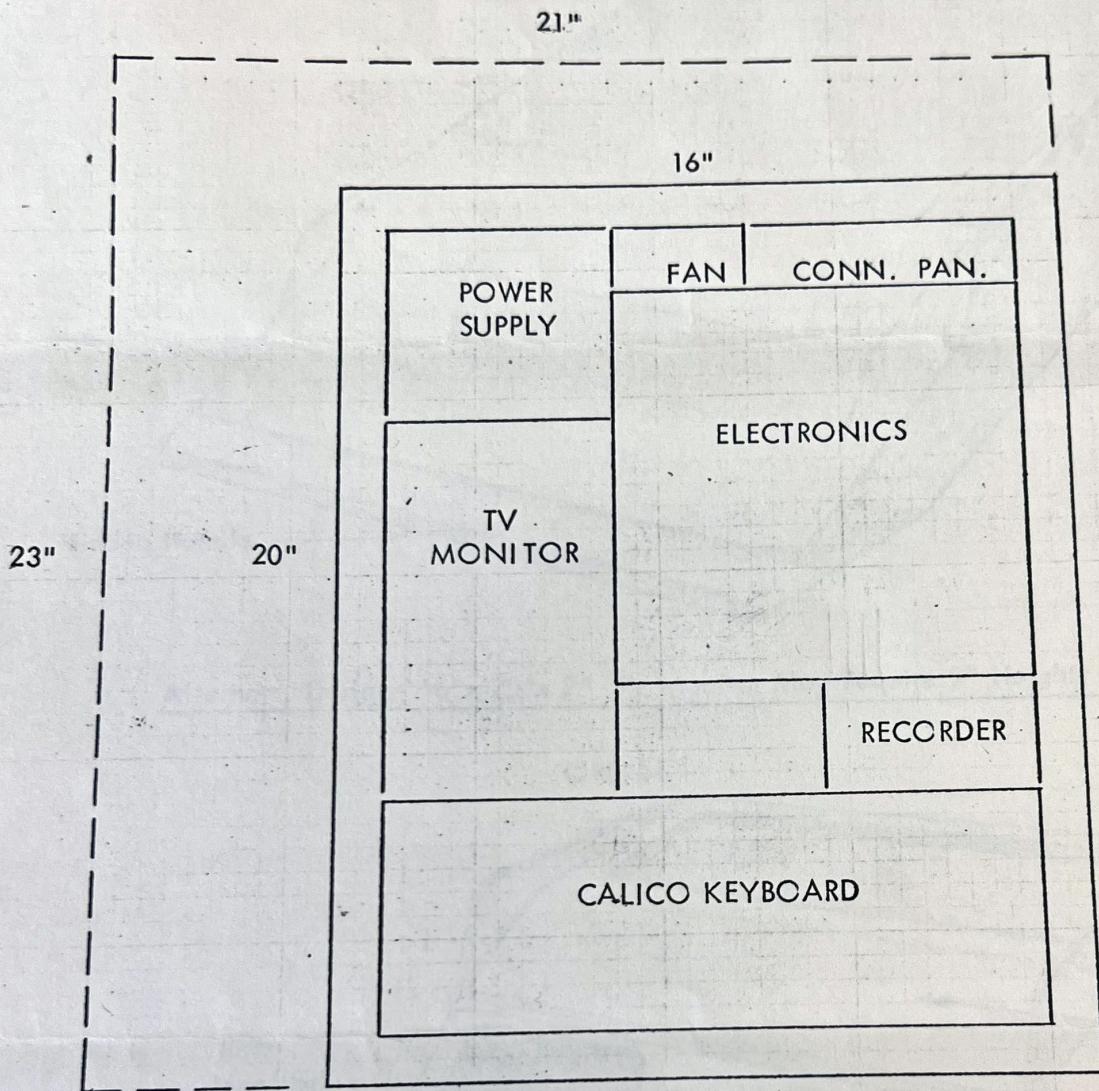
Under separate cover, I have sent a proof sheet of some black and white pictures taken last Friday of the present unit. If it is decided to carry on my original design concept, these pictures may be of use to your Department. I will supply prints when they are ready.

  
Gerald L. Jarvis  
Industrial Design Department

GLJ:jar

cc: ✓ Mr. Joe George, A42/029

Mr. Don Moore, A26/ 029



EXISTING CASE - 21"w. X 23"l. X 7" h.  
TARGET SIZE 16"w. X 20"l. X 9" h.

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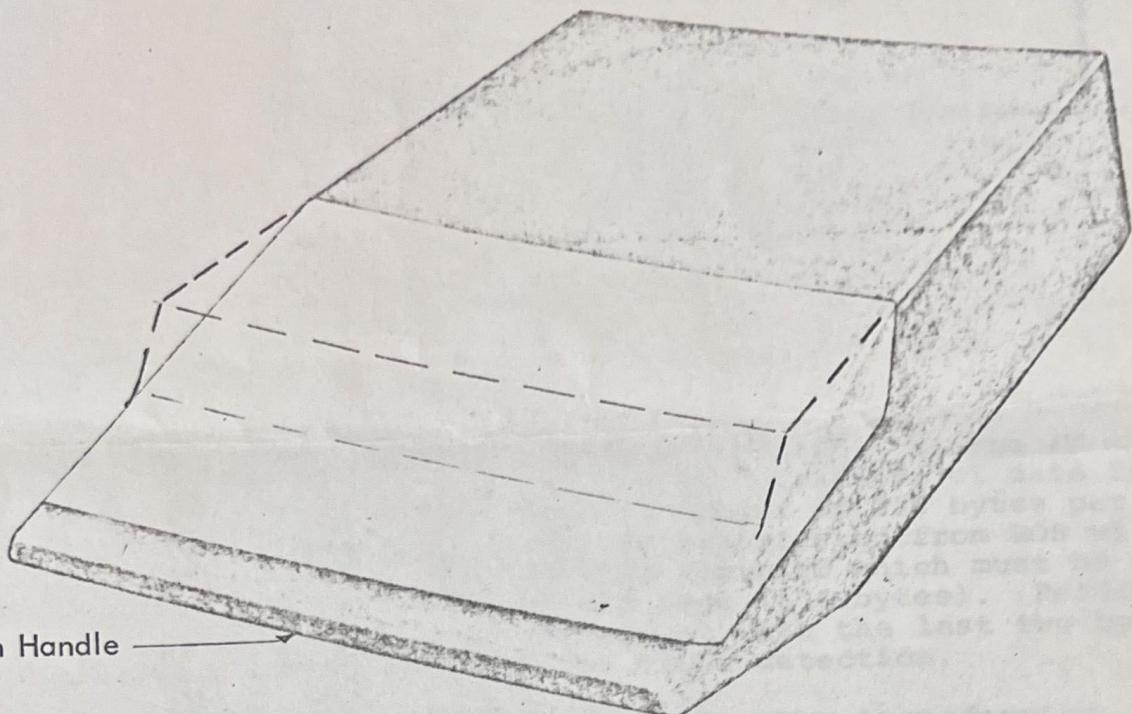
Existing Vol. - 3381 cu. "

Target Vol. - 2240 cu. "

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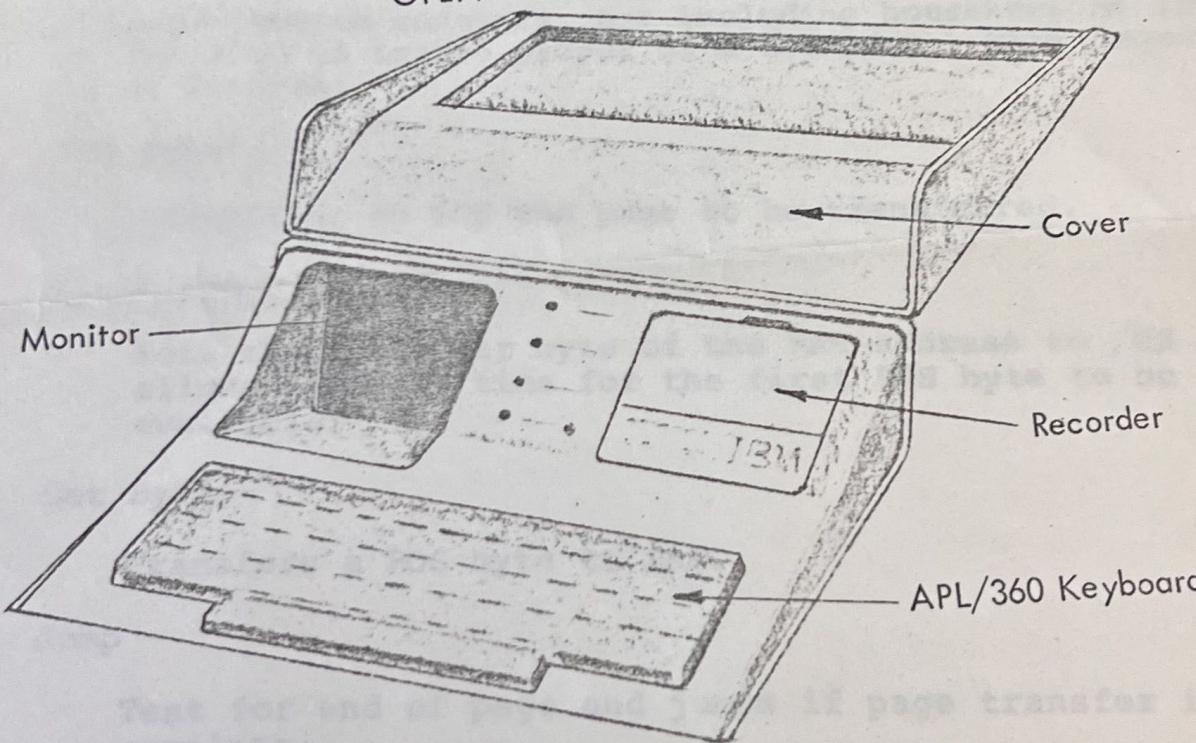
CLOSED



Hidden Handle

Alternate Design- 16"x 20"x 7" (TV Monitor May Require 9" Height)

OPEN



Monitor

Cover

Recorder

APL/360 Keyboard

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