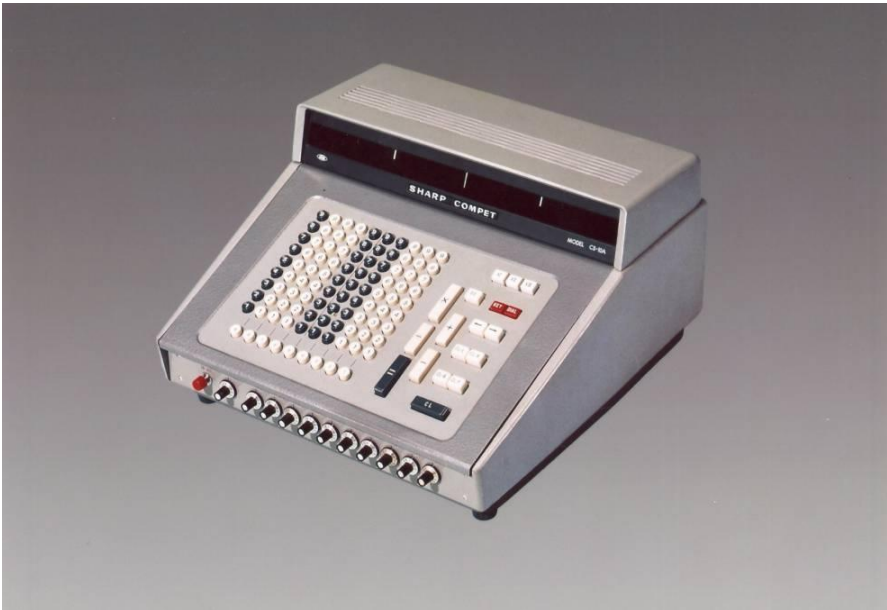


## World's First Transistorized Calculator

|                   |                 |                       |            |
|-------------------|-----------------|-----------------------|------------|
| Registration No.  | Number 00017    |                       |            |
| Registration Date | October 9, 2008 | Registration Category | Category 1 |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name<br>(Model, etc.)     | All transistor-diode electronic desktop calculator (CS-10A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Location                  | Tenri-shi, Nara                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                           | SHARP TECHNOLOGY INNOVATION MUSEUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Owner<br>(Custodian)      | Sharp Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manufacturer<br>(Company) | Hayakawa Electric Industry Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Year Manufactured         | 1964                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reason For<br>Selection   | World's first electronic desktop calculator implemented only with transistors and diodes. Despite the hefty price tag of ¥535,000 that was equivalent to the cost of typical car at the time, the Compet was faster and quieter than the noisy mechanical calculators that were available, and sales in Japan and abroad far exceeded expectations. As vacuum tubes were replaced first by transistors, then ever-smaller ICs and LSIs, calculators shrunk in size and weight, which made them increasingly popular. The Compet CS-10A deserves credit in the history books for starting this trend. |
| Registration<br>Standard  | 1-A (Show an important aspect or stage of the development of science and technology.)<br>2-A (Played a notable role in improving people's way of life and creating new ways of living.)                                                                                                                                                                                                                                                                                                                                                                                                              |

|                             |                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------|
| Open/Closed to<br>Public    | Open to Public with Condition                                                        |
| Photo                       |  |
| Other useful<br>information |                                                                                      |