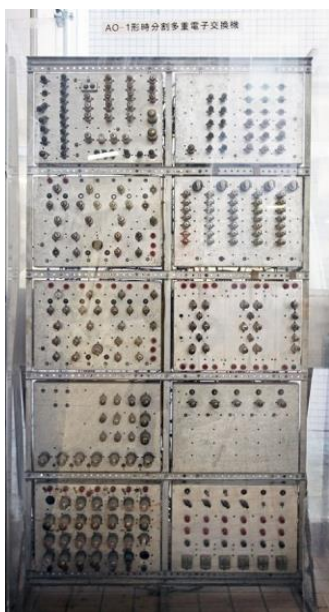


Japan's First All-Electronic Time Division Switching System Ushering in a Shift to Computerized Control and Digital Electronics

Registration No.	Number 00231		
Registration Date	September 12, 2017	Registration Category	Category 2

Name (Model, etc.)	All Electroninc Time Division Switching System AO-1
Location	Saitama, Saitama
	Shibaura Institute of Technology
Owner (Custodian)	Shibaura Institute of Technology
Manufacturer (Company)	Minoru Akiyama and Tonau Osatake
Year Manufactured	1958
Year first appeared	1958
Reason For Selection	Developed in a university laboratory, this is Japan's first all-electronic switching system prototype. It enabled large-scale electronic switching through the use of time-division multiplexers for use in control circuits, in addition to use of time-division switching with respect to speech circuits. This technology played a pioneering role with respect to Japan's development of electronic switching systems and time-division switching systems. This particular device is historically significant in that it inspired, motivated and otherwise greatly influenced researchers and engineers in this field of study, and it accordingly epitomizes the origins of Japan taking a leading role worldwide in subsequently developing electronic switching systems.
Registration Standard	1-B (Show a uniquely Japanese scientific or technological development from an international perspective.)

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