Electron Storage and Stretcher Ring, KSR, A. NODA, H. DEWA, H. FUJITA, M. IKEGAMI, M. INOUE, Y. IWASHITA, S. KAKIGI, M. KANDO, K. MASHIKO^{*}, H. OKAMOTO, T. SHIRAI, T. SUGIMURA and H. TONGUU, Institute for Chemical Research, Kyoto University, Japan - KSR, now under construction at ICR, is an electron storage ring, whose maximum energy, radius of curvature and circumference are 300 MeV, 0.875 m and 25 m, respectively. Its injector is an s-band electron linac consisting of a Pierce type gridded gun, buncher and pre-buncher and three accelerating tubes with disc-load type and has been already completed and the beam acceleration has been started. Precise alignment of KSR magnets has been finished. The critical wave length of the light from the dipole section is 17 nm and in future an insertion device such as a superconducting wiggler will be also to be installed to provide the light with shorter wave length. In addition, the ring is also to be used as a stretcher to enlarge the duty factor of the electron linac, the duration of the macroscopic pulse and maximum repetition of which are 1 µs and 20 Hz, respectively, for the experiments in the energy range around 100 MeV. In the present paper, the design of the stretcher operation is given together with the present status of the electron accelerator facility.

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