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(fl.India, ca.1720-1740)

astronomy, mathematics.

According to legend, Jagannātha samrāat was discovered by Jayasimha of Amber during a campaign against the Marātha chief Śivājī in 1664-1665; Jagannātha was then supposed to be twenty years old. Unfortunately for the story, it was Jayasimha I, Known as Mirjā, who was involved with Śivājī; the parton of Jagannātha was Jayasimha II, Known as Savāī, who ruled Amber from 1699 to 1743. For Jayasimha II, Jagannātha translated Euclid's Elements and Ptolemy's *Syntaxis Mathēematikēe* (both in the recensions of Nasir al-Din al-Ṭūsī) from Arabic into Sanskrit as a part of Jayasimha's program to revitalize Indian astronomy and Indian culture in general.

Jagannātha translated Enclid's Elements under the title *Rekhāganita* shortly before 1727, the date of the earliest manuscript copied at his command by Lokamani. He translated Ptolemy's *Syntaxis Mathēematikēe* in 1732 under the title *Siddhāntasamrāat*. This contains not only a translation of al-Ṭūsī' Arabic recension but also notes of his own referring to Ulugh Beg and al-Kāshī of Samarkand as well as to Muthammad Shāah, the Mogul emperor to whom Jayasimha dedicated his *Ziji-i-jadid-i MuhammadShāahī* in 1728;these additions closely link jagannātha's translation with the work of the other astronomers assembled by Jayasimha.(See essays on Indian science in Supplement.)

BIBLIOGRAPHY

The *Rekhāganita* was edited by H. H. Dhruva and K. P. Trivedi as Bombay Sanskrit series no.61-62, 2 vols. (Bombay, 1901-1902); the *Siddhāntasamrāat* was edited by Rāmasvarūpa Śarman, 3 vols. ([New Delhi](#), 1967-1969).

Secondary Literature includes Sudhākara Dvivedin, *Gaṇakataranngini* (Benares, 1933), repr. from *Pandit*, n.s. **14** (1892), 102-110; and L. J. Rocjer, "Euclid's stoicheia and Jagannātha's *Rekhāganita*," in *Journal of the OrientalInstitute, Baroda*, **3** (1953-1954), 236-256.

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