

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Space Culture – Public Engagement in Space through Culture (9)

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TECHNOLOGY, PROBLEMS AND SOLUTIONS FOR DRINKING ALCOHOL IN SPACE

Abstract

There are various history and examples of alcoholic beverages in space. For example, in the past, yeast strains and raw materials necessary for fermenting alcoholic beverages have been taken to space, brought back to Earth, and brewed into space liquor, such as space shochu, and space beer. The wine itself was taken into space, allowed to brew for more than a year, and brought back to the auction where it was auctioned off for more than 100 million yen and became the talk of the town. These products have been developed mainly for drinking on Earth. In the future, as more and more people travel to space and stay in space for longer periods, the need for alcoholic beverages that can be drinkable in space will increase.

This paper will present the technologies, problems, and solutions needed to fulfill these needs.