

Archiving Innovations Preserve Essential Historical Records

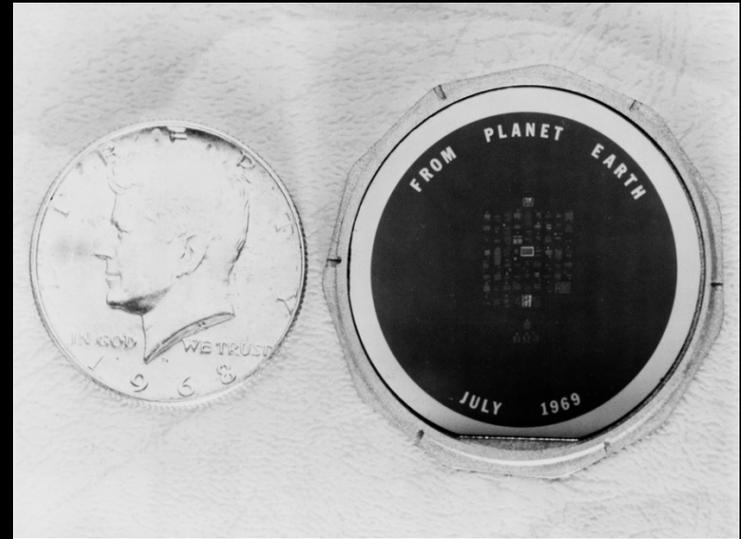


NASA Headquarters

NanoArk Corporation Fairport, NY

NASA Technology

- ◆ When Apollo 11 landed on the moon, among the many objects left was a silicon disc with messages of goodwill from 73 countries.
- ◆ Semiconductor manufacturing techniques were used to etch the messages, each one sized down to occupy a space smaller than the head of a pin.



Technology Transfer

- ◆ Forty years later, NanoArk Corporation used the technology, now in the public domain, to create their own patented document preservation technology.
- ◆ The company's Waferfiche technology employs a photolithographic process to inscribe data onto thin silicon discs, which can fit about 2,000 letter-sized images and remain intact for 500 years.

Benefits

- ◆ The discs are impervious to water damage, important considering moisture is the leading culprit in destroyed documents.
- ◆ The only required technology needed to view the etched information is a magnifying glass.
- ◆ NanoArk has experienced a five-fold increase in revenue between 2010 and 2011.