

INTRODUCTION TO AROBAT FOLDER

The portion of this CD-ROM entitled VISIONS OF MARS is an exact replica of the contents of the CD ROM carried aboard the Mars 96 mission. For a guide to the contents of the disk, read the introduction by Jon Lomborg on VISIONS OF MARS (press INTRODUCTION on Main Menu Screen)

This Acrobat Folder contains additional files to complete your documentation of the project. These files fall into two categories:

- Materials recorded as micro-text written by electron-beam lithography on a silicon chip in the MAPEX experiment. These materials will go to Mars along with the disc. These are in the Acrobat document called MAPEX.PDF and the text file called TPSNAMES.TXT.
- Materials that did not go to Mars, but may answer questions you may have about the project. These are in the Acrobat document called OTHER.PDF.

CONTENTS OF ACROBAT FOLDER

MATERIALS SENT TO MARS ABOARD MAPEX

- 1) List of names of the approximately 100,000 Planetary Society members written on the MAPEX silicon chip, as of the date of the creation of the experiment. This list is provided as a text file called TPSNAMES.TXT that can be opened and searched using your favorite word processor or text editor.

The following items are included in the Acrobat Reader document called MAPEX.PDF.

- 2) Electron-microscope photograph of a sample section of the MAPEX chip containing the Planetary Society names as well as the other text listed below. The individual letters in the names are about 1 micron from top to bottom . The white lettering in the photograph is not on the chip, but is the added by the microscope to show the magnification and scale of the image.
- 3) Microelectronics and Photonics Experiment MAPEX

This NASA technical document is provided to explain the purpose of the technology and science experiments on MAPEX to the finders of the spacecraft on Mars in the distant future. It is hoped that this will

allow them to calibrate the long-term durability and performance of similar materials in use on Mars, as well as to provide important information about radiation influx. on the martian surface for human explorers. Diagrams of the MAPEX experiment are included.

4) About the CD-ROM by James Bumgardner

This document was written by the Time Warner Interactive producer of Visions of Mars. It explains the technical and software requirements for playing the CD-ROM, in case the finders of the disk have replaced current technology with something better, and have forgotten how to play 20th century CD-ROMs. It will probably be far easier for them to magnify the tiny text on the MAPEX chip than to play the CD ROM, so they will find these instructions helpful in laying the disc.

5) An image of the label that appears on the exterior of the spacecraft to alert future discoverers of the presence of the disc. Please note that the rounded rectangular shape on the left hand portion of the label is the location where the MAPEX is attached to the label. For a picture of the MAPEX itself, refer to the NASA document listed above.

6) A close-up view of the spacecraft image on the MAPEX label.

MATERIALS NOT SENT TO MARS, BUT USEFUL ANYWAY

The following items are included in the Acrobat Reader document called OTHER.PDF.

- 7) **Visions of Mars: A Cultural and Scientific Experiment on Mars 96** by Louis D. Friedman, Walker E. Giberson, Jon Lomberg This paper was delivered at the 45th Congress of the International Astronautical Federation in Jerusalem, Israel on Oct. 1994.
- 8) **Current Mars Exploration** by Louis Friedman
Brief review of Mars missions planned for 1996 and 1998
- 9) **Mars 96 Mission** by V.I. Moroz, Space Research Institute, Russian Academy of Sciences. This section gives an overall description of the Mars 96 mission. The English of the writer, though clear, is not perfect, but we have printed it as he wrote it, in order to convey the truly international flavor of the Mars 96 mission. Diagrams of the spacecraft and its mission profile are included.
- 10) **Translation of the greeting given by Vyacheslav Linkin on VISIONS OF MARS** (press Russian name under GREETINGS on Main menu Screen)

11) The Planetary Society

Description of the organization that created VISIONS OF MARS. What they do and how you can join them in support of future planetary exploration.

12) Installation Troubleshooting

Having trouble reading VISIONS OF MARS on your computer?
Can't figure out how to turn the pages? Read the text file called README.TXT for help!