

- ❑ *The Man Who Fell to Earth* [1976, R]
- ❑ *Close Encounters of the Third Kind* [1977, PG]
- ❑ *Star Wars* [1977, PG]
- ❑ *E.T., the Extra-Terrestrial* [1982, PG]
- ❑ *The Right Stuff* [1983, PG]
- ❑ *Starman* [1984, PG]
- ❑ *IMAX: The Dream Is Alive* [1985, D, NR]
- ❑ *For All Mankind* [1989, D, NR]
- ❑ *IMAX: Destiny in Space* [1994, D, NR]
- ❑ *Apollo 13* [1995, PG]
- ❑ *Star Trek: First Contact* [1996, PG-13]
- ❑ *Contact* [1997, PG]
- ❑ *Starship Troopers* [1997, R]
- ❑ *Armageddon* [1998, PG-13]
- ❑ *From the Earth to the Moon* [1998, D, NR]
- ❑ *Galaxy Quest* [1999, PG]
- ❑ *October Sky* [1999, PG]
- ❑ *Carl Sagan’s Cosmos* [2000, D, NR]
- ❑ *The Dish* [2001, PG-13]
- ❑ *IMAX: Space Station 3D* [2002, D, NR]
- ❑ *IMAX: Magnificent Desolation 3D* [2005, D, NR]
- ❑ *Rendezvous with Rama* [2005, PG-13]
- ❑ *War of the Worlds* [2005, PG-13]

Music:

- ❑ *AM Gold: 60’s Collection* [Time-Life, 2000]
- ❑ *Bad Moon Arising* [Credence Clearwater Revival, 1969]
- ❑ *Calling Occupants of Interplanetary Craft* [The Carpenters, 1977]
- ❑ *Fly Me to the Moon* [Frank Sinatra, 1964]
- ❑ *Folk Hits of the 60s* [Shout Factory, 2003]
- ❑ *Holst: The Planets* [Telarc, 1990]
- ❑ *Major Tom* [Peter Schilling, 1989]
- ❑ *Motown 1960s*, [Universal, 2002]
- ❑ *Mr. Spaceman* [The Byrds, 1966]
- ❑ *Rocket Man* [Elton John, 1972]
- ❑ *Space Oddity* [David Bowie, 1972]
- ❑ *Starman* [David Bowie, 1972]
- ❑ *Swinging on a Star* [Bing Crosby, 1944]
- ❑ *Switched on Bach* [East Side Digital, 2001]
- ❑ *The Beatles: 1962–1966* [Capitol, 1973]
- ❑ *The Beatles: 1967–1970* [Capitol, 1973]

Places:

- ❑ Smithsonian National Air and Space Museum [Washington, D.C., 202-633-1000, www.nasm.si.edu]. See planes, rockets, and satellites—and taste freeze-dried Astronaut Ice Cream!
- ❑ Kennedy Space Center [Cape Canaveral, FL, 321-449-4444, www.kennedyspacecenter.com]. Watch a rocket launch, board a full-scale replica of Space Shuttle *Explorer*, have lunch with an astronaut, and sign up for the Astronaut Training Experience. At Launch Pad 34, the site of the 1967 Apollo 1 fire, a memorial plaque reads: “In memory of those who made the ultimate sacrifice so others could reach for the stars. Ad astra per aspera [a rough road leads to the stars]. God speed to the crew of Apollo 1.”
- ❑ Space Center Houston [Houston, TX, 281-244-2100, www.spacecenter.org]. Tour Mission Control, try on space helmets, and take a simulated walk on the moon.
- ❑ U.S. Space & Rocket Center [Huntsville, AL, 800-533-7281, www.spacecamp.com]. Sign up for Space Camp; Go on a simulated space shuttle mission!
- ❑ National Aeronautics and Space Administration (NASA) [Washington, D.C., www.nasa.gov].
- ❑ Memorials to Apollo 1 astronauts Gus Grissom and Roger Chaffee, and the crews of Space Shuttle *Challenger* and Space Shuttle *Columbia*, are located in Arlington National Cemetery [Arlington, VA, 703-607-8000, www.arlingtoncemetery.org]. The memorial to Apollo 1 astronaut Edward White is in the United States Military Academy Post Cemetery [West Point, NY, 845-938-4011, www.usma.edu]. There are three hills on the planet Mars dedicated to the crew of Apollo 1: Grissom Hill, White Hill, and Chaffee Hill.
- ❑ Explore the exciting world of model rocketry [Estes Model Rocket Company, www.estesrockets.com].
- ❑ Take up the hobby of astronomy! Books: *Nightwatch*, by Terence Dickinson [1552093026, NF, MS+]; *Telescope Power*, by Gregory Matloff [0471580392, NF, MS+]; *The Backyard Astronomer’s Guide*, by Terence Dickinson [155209507X, NF, MS+]; *The Stars*, by H. A. Rey [0395248302, NF, MS+].
- ❑ The Very Large Array is the world’s largest astronomical radio observatory, consisting of twenty-seven 230-ton, 82-foot diameter radio antennas [Socorro, NM, 505-835-7243, www.vla.nrao.edu]. The data from the antennas is combined electronically to give the resolution of an antenna 22 miles across, with the sensitivity of a dish 422 feet in diameter. Movies: *2010* [1984, PG] and *Contact* [1997, PG].
- ❑ Hayden Planetarium [Rose Center for Earth and Space, New York, NY, 212-769-5100, www.amnh.org]. One of the world’s best planetariums.

- ❑ Authentic NASA mission patches are sold at The Space Store [Houston, TX, 877-742-2311, www.thespacestore.com]. Authentic replica NASA spacesuits are sold at Space Toys [Show Low, AZ, 877-223-0070, www.spacetoys.com].
- ❑ You can’t visit the secret movie sound stage from which the fake Apollo 11 lunar landing was purportedly broadcast on TV, because it doesn’t exist; the United States really did put a man on the moon in 1969. Also, there is no “face” on Mars left behind by an ancient alien race; it’s just your imagination. Books: *Bad Astronomy*, by Philip Plait [0471409766, NF, MS+]; *Magnificent Mars*, by Ken Crowell [0743226011, NF, MS+]. Movies: *Capricorn One* [1978, PG]; *Mission to Mars* [2000, PG]; *National Geographic: Conspiracy Moon Landing* [2004, D, NR].
- ❑ Robert Goddard Rocket Launching Site and National Historic Landmark [Pakachoag Golf Course, Auburn, MA, 508-755-3291, www.cr.nps.gov/nhl]. The spot where Robert Goddard launched the world’s first liquid-fueled rocket, on March 16, 1926, is located on the ninth fairway; the golf course used to be a farm. Movie: *Rocket Men* [1994, D, NR].
- ❑ NASA sent the Apollo 14 astronauts to Craters of the Moon National Monument [Arco, ID, 20 8-527-3257, www.nps.gov/crmo] to expose them to geologic conditions similar to what they would find on the moon. NASA also trained astronauts at the 4,000-foot diameter Meteor Crater in the desert southwest [Flagstaff, AZ, 800-289-5898, www.meteorcrater.com].
- ❑ RUS Adventures [Moscow, Russia, www.rusadventures.com] arranges tours of the historic sites of the Soviet space program. Strelka and Belka, the first dogs to survive orbital flight, are eternally preserved in a glass case in the Memorial Museum of Astronautics in Moscow. Strelka gave birth to six healthy puppies after her space flight in 1960. One puppy, named Pushinka, was given to Caroline Kennedy, the daughter of Jacqueline and President John F. Kennedy, as a present from Soviet Premier Nikita Krushchev.
- ❑ Astronauts of the Mercury and Gemini missions used pencils to take notes in space because standard ballpoint pens did not work in zero gravity. The Fisher Space Pen Company [Boulder City, NV, 702-293-3011, www.spacepen.com] solved the problem when it introduced the Fisher AG-7 Space Pen in 1966. Instead of relying on gravity to work, the pen used a pressurized cartridge of nitrogen that enabled it to write in freezing cold, desert heat, underwater, upside down, and in outer space. The Apollo 11 astronauts took the pen to the moon.
- ❑ SETI@home [http://setiathome.ssl.berkeley.edu] is a scientific experiment that uses Internet-connected computers in the ongoing search for extraterrestrial intelligence. You can participate by running a free software program on your home computer that downloads and

analyzes radio telescope data. Perhaps you will be the first to hear the words: “Klaatu barada nikto!”

- ❑ “Mission: SPACE” [DisneyWorld, Orlando, FL, www.disneyworld.com]. Space-exploration thrill ride.

Chapter 3: To America I Will Go

PART ONE THE ISLAND OF TEARS

Books:

- ❑ *Annie Moore*, by Eithne Loughrey [1856352455, NF, MS+]
- ❑ *Ellis Island*, by Pamela Reeves [0517059053, NF, MS+]
- ❑ *Ellis Island*, by John Berman [0760738882, NF, MS+]
- ❑ *Ellis Island Interviews*, by Peter Coan [0816034141, NF, MS+]
- ❑ *Everyday Fashions: 1909–1920*, by JoAnne Olian [0486286282, NF, MS+]
- ❑ *Immigrants*, by Time-Life Books [0783555164, NF, MS+]
- ❑ *Italian Americans*, by Ben Morreale [0883631261, NF, MS+]
- ❑ *Little Italy*, by Emelise Aleandri [0738510629, NF, MS+]
- ❑ *Mother Cabrini*, by Frances Keyes [0898705991, NF, MS+]
- ❑ *Passage to Liberty*, by Ken Ciongoli [0060089024, NF, MS+]
- ❑ *The Ellis Island Collection*, by Brad Tuttle [0811838552, NF, MS+]
- ❑ *The Ellis Island Immigrant Cookbook*, by Tom Bernardin [0962919837, NF, MS+]
- ❑ *The Italian American Family Album*, by Dorothy Hoobler [0195124200, NF, MS+]

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- ❑ *American Mosaic*, by Joan Morrison [0822954885, NF, HS+]
- ❑ *Finding Your Roots Online*, by Nancy Hendrickson [1558706356, NF, HS+]
- ❑ *Island of Hope, Island of Tears*, by David Brownstone [1586635786, NF, HS+]
- ❑ *The Fortunate Pilgrim*, by Mario Puzo [0449003582, F, HS+]
- ❑ *The Golden Milestone*, by Russell Esposito [0967143616, NF, HS+]
- ❑ *Unpuzzling Your Past*, by Emily Croom [1558705562, NF, HS+]

Movies:

- ❑ *The Immigrant* [1917, NR]
- ❑ *The Jazz Singer* [1927, NR]
- ❑ *Meet Me in St. Louis* [1944, NR]
- ❑ *A Tree Grows in Brooklyn* [1945, NR]
- ❑ *I Remember Mama* [1948, NR]
- ❑ *West Side Story* [1961, NR]
- ❑ *How the West Was Won* [1962, NR]