

Contact With Alien Civilizations

[DOWNLOAD HERE](#)

1; Table of Contents; 6 2; Introduction; 13 2.1; Hopes and Fears; 15 2.2; Searching; 15 2.3; Consequences; 17 2.4; Before and After 1960; 19 2.5; The Book; 20 2.6; An Apology; 20 3; A Belief in Other Minds; 21 3.1; An Ancient Idea; 21 3.2; The Closed Universe; 23 3.3; Copernicanism; 25 3.4; The Triumph of Observation; 26 3.5; Fictional Aliens; 27 3.6; An Impersonal Universe; 29 3.7; Evolution and Sharpened Questions; 31 3.8; Lowell, and Alien Invaders; 32 3.9; Expansion and Skepticism; 34 3.10; Ubiquitous Life; 36 4; A New Era; 37 4.1; Searching for Life; 37 4.2; Disappointment and Revival; 38 4.3; A Metadiscipline; 40 4.4; Panspermia; 41 4.5; The Mars Rock; 42 4.6; Was Arrhenius Right after All?; 43 5; Searching for Intelligence; 45 5.1; Radio Days; 45 5.2; From Russia with Theories; 48 5.3; American Initiatives; 48 5.4; Privatizing SETI; 52 5.5; Other Wavelengths, Other Technologies; 56 5.6; Above the Clouds; 57 5.7; Looking for the Astroengineers; 58 5.8; Exotic Means; 60 6; Sending Our Own Signals; 61 6.1; Active SETI; 61 6.2; The Arecibo Blast; 62 6.3; Is This Research?; 64 7; Probabilities; 66 7.1; Probability and Analogy; 66 7.2; The Drake Equation; 67 7.3; Being Trendy; 69 8; Probabilities: The Astronomical Factors; 70 8.1; Stars; 70 8.2; Planets; 72 8.3; Habitable Zones; 79 9; Probabilities: Life; 80 9.1; Miracle, Rare Accident, or Probable Event?; 80 9.2; Chancists Versus Convergonists; 82 9.3; Teleology and Self-Organization; 85 9.4; Gaia and Her Sisters; 86 9.5; Extremophiles and Dual Biospheres; 87 10; Probabilities: Intelligence; 89 10.1; Inevitable, or a Fluke?; 89 10.2; Social Animals; 91 10.3; How Brains Evolve, or Don't; 92 10.4; The Debate Goes on; 93 10.5; Our Intelligent Companions; 94 10.6; Dolphins; 95 10.7; Brother Apes; 97 10.8; Future Minds; 99 11; Probabilities: Civilization, Technology, and Science; 101 11.1; Civilization; 101 11.2; Technology and Science; 103 12; Probabilities: Longevity; 106 12.1; How Long Do Technological Civilizations Live?; 106 12.2; The Shadow of the Bomb; 107 12.3; Other Means of Self-destruction; 108 12.4; Threatening Science; 109 12.5; Hints of Optimism; 111 12.6; Fear of Machines; 112 12.7; Statistics; 114 12.8; Extraterrestrial Terminators; 115 12.9; Black Clouds, Dark Planets, Bursting Stars; 118 12.10; A Growing Sun; 121 13; The Drake Equation, Take Two; 123 14; Should We Continue the Search?; 125 14.1; Premature Opinions; 125 14.2; Patience; 127 14.3; What Can We Conclude?; 128 14.4; How Much Is Enough?; 129 14.5; Uncertainty, Ambiguity, and Serendipity; 131 14.6; The Consequences of

Searching;132 15;Direct Contact;134 15.1;Starflight;134 15.2;Assumptions;135 15.3;Starships of the Mind;137 15.4;Human Probes;138 15.5;Alien Probes;140 15.6;Human Voyages;142 15.7;Alien Colonizers;145 15.8;Searching for Artifacts;147 15.9;Astroarchaeology;150 15.10;The Monuments of Mars;152 15.11;Ancient Visitors to Earth;153 16;The UFO Controversy;155 16.1;Rocks from the Sky;155 16.2;Ancient Sightings;156 16.3;The Air Force Investigates;159 16.4;Condon the Denier;161 16.5;Conspiracies, Crop Circles, and Abductions;163 16.6;Fact, Speculation, and Disinformation;165 16.7;Real But Unknown Phenomena?;166 16.8;Psychological Explanations;167 16.9;Myths Past and Present;169 16.10;The Galilean Test;170 16.11;The Case for UFO Research;170 16.12;A Scientific Review;171 16.13;A Cautionary Note;172 17;The Drake Equation, Take Three;174 18;Why Don t We See Them?;176 18.1;Before Fermi;176 18.2;The Great Debate;177 18.3;If They Could Expand, They Must Not Exist;178 18.4;Tiplerism;180 18.5;Counter Arguments;181 18.6;The Psychology of Expansion;183 18.7;Cosmic Geography;184 18.8;A Minimum Model of Interstellar Expansion;186 18.9;The Great Silence;186 18.10;Other Theories;188 18.11;The Silence of the Immortals;189 18.12;Catalogs of Solutions;191 19;Reformulating the Problem;192 19.1;Explanations Common to Both;193 19.1.1;Uniqueness;193 19.1.2;Out of Range;194 19.1.3;Failures of Perception;194 19.1.4;Failures of Imagination;194 19.1.5;Failure EAN/ISBN : 9780387686189 Publisher(s): Springer, Berlin, Springer, New York Discussed keywords: Auerirdische Wesen Format: ePub/PDF Author(s): Michaud, Michael

[DOWNLOAD HERE](#)

Similar manuals:

[Contact With Alien Civilizations](#)