

# REVEALING GOD IN SCIENCE

12 STEM SCHOLARS  
SHARE THEIR JOURNEY

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# ENDNOTES

## Introduction: Rumors of War (and Peace)

1. Jerry Coyne, “Yes, There Is a War Between Science and Religion,” *The Conversation*, December 21, 2018, [theconversation.com/yes-there-is-a-war-between-science-and-religion-108002](http://theconversation.com/yes-there-is-a-war-between-science-and-religion-108002).
2. Following World War II’s ending, Lieutenant Hiroo Onoda of the Japanese Imperial Army refused to surrender until March 1974, even after the Japanese government dropped explanatory leaflets over his hiding area. See Evan Andrews, “6 Soldiers Who Refused to Surrender,” *History Channel*, published February 26, 2013, updated December 13, 2022, [history.com/news/6-soldiers-who-refused-to-surrender](http://history.com/news/6-soldiers-who-refused-to-surrender).
3. John Lennon and Yoko Ono, “Happy Xmas (War Is Over). (Ultimate Mix, 2020) John & Yoko Plastic Ono Band + Harlem Community Choir,” posted August 24, 2010, YouTube video, 3:33, [youtube.com/watch?v=yN4Uu0OImTg](http://youtube.com/watch?v=yN4Uu0OImTg).
4. Cary Funk and David Masci, “5 Facts About the Interplay Between Religion and Science,” *Pew Research Center*, October 22, 2015, [pewresearch.org/fact-tank/2015/10/22/5-facts-about-the-interplay-between-religion-and-science/](http://pewresearch.org/fact-tank/2015/10/22/5-facts-about-the-interplay-between-religion-and-science/).
5. John William Draper, *History of the Conflict Between Religion and Science* (D. Appleton and Co., 1878).
6. Andrew Dickson White, *A History of the Warfare of Science with Theology in Christendom*, 2 vols. (Macmillan, 1896).
7. Timothy Larsen, “‘War Is Over, If You Want It’: Beyond the Conflict Between Faith and Science,” *Perspectives on Science and the Christian Faith* 60, no. 3 (September 2008): 147–155, [asa3.org/ASA/PSCF/2008/PSCF9-08Larsen.pdf](http://asa3.org/ASA/PSCF/2008/PSCF9-08Larsen.pdf).
8. David Kinnaman and Gabe Lyons, *unChristian: What a New Generation Really Thinks About Christianity . . . and Why It Matters* (Baker Books, 2007), 55–56.
9. David Hutchings, “Flat Wrong,” in David Hutchings and James C. Ungureanu, *Of Popes and Unicorns: Science, Christianity, and How the Conflict Thesis Fooled the World*, online ed. (Oxford Academic, 2021), accessed April 6, 2023, doi:10.1093/oso/9780190053093.003.0003.
10. Hutchings and Ungureanu, *Of Popes and Unicorns*.
11. Rudolf Otto, *The Idea of the Holy*, trans. John W. Harvey, 2nd ed. (Oxford University Press, 1950), 7–11.
12. Alan Lightman, *The Transcendent Brain: Spirituality in the Age of Science* (Pantheon, 2023), 3–5.
13. Alex Gomez-Marin, “Making Sense of the Sacred,” *Science* 380, no. 6640 (April 6, 2023), doi:10.1126/science.adh0532.
14. Lightman, *The Transcendent Brain*, 8–9.

## Chapter 1: A Match Made in Heaven

1. In physics, the principle of relativity is the requirement that the laws of physics (as codified in equations) must have the same forms in all admissible frames of reference.
2. Jeff Zweerink, *Who’s Afraid of the Multiverse?* (Reasons to Believe, 2008).
3. For some examples, see Erik A. Petigura, Andrew W. Howard, and Geoffrey W. Marcy, “Prevalence of Earth-Size Planets Orbiting Sun-Like Stars,” *Proceedings of the National Academy of Sciences* 110, no. 48 (November 4, 2013): 19273–19278, doi:10.1073/pnas.1319909110; Steve Bryson et al., “The Occurrence of Rocky Habitable-Zone Planets Around Solar-like Stars from Kepler Data,” *Astronomical Journal* 161, no. 1 (December 22, 2020): id. 36, doi:10.3847/1538-3881/abc418; and Michelle Kunimoto and Jaymie M. Matthews, “Searching the Entirety of Kepler Data. II. Occurrence Rate Estimates for FGK Stars,” *Astronomical Journal* 159, no. 6 (May 4, 2020): id. 6, doi:10.3847/1538-3881/ab88b0.
4. For specific quotes from Galileo and Kepler, see Michael J. Crow, ed., *The Extraterrestrial Life Debate: Antiquity to 1915* (University of Notre Dame Press, 2008), 52, 60–61. For more on the theological significance of finding intelligent ET, see Ted Peters, “The Implications of the Discovery of Extra-terrestrial Life for Religion,” *Philosophical Transactions of the Royal Society A* 369 (January 10, 2011): 644–655, doi:10.1098/rsta.2010.0234.

## Chapter 2: Finding Answers in Christ

1. Andrew Dickson White, *A History of the Warfare of Science with Theology in Christendom*, 2 vols. (Cosimo Classics, 2009).
2. Nancy R. Pearcey and Charles B. Thaxton, *The Soul of Science: Christian Faith and Natural Philosophy* (Crossway, 1994).
3. Norman Geisler and Peter Bocchino, *Unshakable Foundations: Contemporary Answers to Crucial Questions About the Christian Faith* (Bethany House, 2001), 71–74, 113–114.
4. J. P. Moreland, *Scaling the Secular City: A Defense of Christianity* (Baker Academic, 1987), 211.
5. Psalm 19 helps us discover God’s fingerprints in creation and his specific will for us through his Holy Word.
6. Francis A. Schaeffer, *The Complete Works of Francis A. Schaeffer*, vol. 2, *A Christian View of the Bible as Truth* (Crossway, 1985), 139.
7. C. Stephen Evans, *Pocket Dictionary of Apologetics and Philosophy of Religion* (InterVarsity Press, 2002), 114.
8. Fazale R. Rana with Kenneth R. Samples, *Humans 2.0: Scientific, Philosophical, and Theological Perspectives on Transhumanism* (RTB Press, 2019), 20.
9. Paul Brand and Philip Yancey, *The Gift of Pain: Why We Hurt and What We Can Do About It* (OM Books, 1999), 192.

10. Brand and Yancey, *Gift of Pain*, 3.
11. Brand and Yancey, 5.
12. Brand and Yancey, 187.
13. C. S. Lewis, *Mere Christianity* (Macmillan, 1960), 76.
14. Charles W. Colson, *Justice That Restores: Why Our Justice System Doesn't Work and the Only Method of True Reform* (OM Books, 2001), 23.
15. Gary R. Habermas and Michael R. Licona, *The Case for the Resurrection of Jesus* (Kregel Publications, 2004), 52.
16. Gary R. Habermas, "The Historical Jesus" (lecture for the Christian Apologetics Program, Biola University) audio CD, disc 1, 63:08 (Biola University Christian Apologetics Program, January 1, 2005).
17. Michael Green, *The Day Death Died* (InterVarsity Press, 1982), 14.

### Chapter 3: Testing Science, Faith, and Spiritual Experience

1. Blaise Pascal, "Memorial" (Christian Classics Ethereal Library), accessed March 18, 2023, [ccel.org/ccel/p/pascal/memorial/cache/memorial.pdf](http://ccel.org/ccel/p/pascal/memorial/cache/memorial.pdf).
2. Blaise Pascal, *Pensées* (Penguin Books, 1995).
3. Pascal, "Memorial."
4. Acts 9:1–19.
5. Pascal, *Pensées*, 121–125.
6. Gerald Schroeder, *The Science of God: The Convergence of Scientific and Biblical Wisdom* (Broadway Books, 1997).
7. Schroeder, *The Science of God*, 41–59.

### Chapter 4: An Obstetrician's Reflections on Life and Suffering

1. Women living in underdeveloped countries without access to a caesarean section can labor for days without progress. The trauma of prolonged obstructed labor can result in an abnormal connection or fistula between the bladder and the vagina. Instead of having control of their bladder, these women leak urine continuously through the vagina. Because of this, their husbands often desert them.
2. Gary C. Schoenwolf et al., *Larsen's Human Embryology*, 5th ed. (Elsevier Saunders, 2015), 51.
3. R. L. Bree et al., "Transvaginal Sonography in the Evaluation of Normal Early Pregnancy: Correlation with HCG Level," *American Journal of Roentgenology* 153, no. 1 (August 1989): 78, doi:10.2214/ajr.153.1.75; Peter M. Doubilet et al., "Diagnostic Criteria for Nonviable Pregnancy in the First Trimester," *New England Journal of Medicine* 369, no. 15 (October 10, 2013): 1448, doi:10.1056/NEJMra1302417.
4. This paragraph uses embryologic gestation age, which is the age from conception. Most physicians use menstrual age, the age from the last menstrual period or about two weeks prior to conception. I have routinely seen cardiac activity at six weeks of gestation (four weeks of embryologic age).
5. Nancy R. Pearcey, *Love Thy Body: Answering Hard Questions About Life and Sexuality* (Baker Books, 2018), 25.
6. Eszter Fanczal et al., "The Prognosis of Preterm Infants Born at the Threshold of Viability: Fog over the Gray Zone—Population-Based Studies of Extremely Preterm Infants," *Medical Science Monitor* 26 (December 10, 2020): e926947-1-12, doi:10.12659/MSM.926947; Matthew A. Rysavey et al., "Between-Hospital Variation in Treatment and Outcomes in Extremely Preterm Infants," *New England Journal of Medicine* 372, no.19 (May 7, 2015): 1806–1808, doi:10.1056/NEJMoa1410689.
7. Pearcey, *Love Thy Body*, 25.
8. K. B. Kuchenbaecker et al., "Risks of Breast, Ovarian, and Contralateral Breast Cancer for Brca1 and Brca2 Mutation Carriers," *JAMA* 317, no. 23 (June 20, 2017): 2402–2416, doi:10.1001/jama.2017.7112.
9. C. S. Lewis, *The Problem of Pain* (Harper One, 1996), 31.
10. Lewis, *The Problem of Pain*, 40–41.
11. The poem has been attributed to various authors such as Grant Colfax Tullar, Benjamin Malacia Franklin, and Florence M. Alt. It can be found here: "The Weaver," Goodreads, accessed June 5, 2023, [goodreads.com/quotes/741391-the-weaver-my-life-is-but-a-weaving-between-my](https://www.goodreads.com/quotes/741391-the-weaver-my-life-is-but-a-weaving-between-my).

### Chapter 5: How Could a Jew Believe in Jesus?

1. D. L. Block, "General Relativity, and Its Applications to Selected Astrophysical and Cosmological Topics," *Quarterly Journal of the Royal Astronomical Society* 15 (September 1974): 264–291.
2. Cornelia Sussman and Irving Sussman, "Marc Chagall, Painter of the Crucified," in *The Bridge: A Yearbook of Judeo-Christian Studies*, ed. John M. Oesterreicher and Barry Ulanov, vol. 1 (Pantheon Books, 1955), 115.
3. Jakób Jocz, "Is It Nothing to You?," *Church Missions to Jews* (1941), 8, [wycliffecollege.ca/jocz](http://wycliffecollege.ca/jocz).
4. Yosef Haim Brenner, writing in the Zionist newspaper *Hapoel Hatzair*, November 24, 1910. Original Hebrew article available at [benyehuda.org/read/867](http://benyehuda.org/read/867).
5. Sussman and Sussman, "Marc Chagall," 103.
6. Fyodor M. Dostoevsky, *The Grand Inquisitor*, trans. S. S. Kotliansky (E. Mathews and Marrot, 1930), 5–6.
7. By *Dixi*, he means, "I have said all that I have to say, and thus the argument is settled." Dostoevsky, *Grand Inquisitor*, 29.

8. A particularly joyous occasion was to fly into the Seychelles archipelago in 2014, the year I turned 60, for an international astronomy conference. Senior colleagues included Ken Freeman and Giovanni Fazio. For the conference proceedings, see Kenneth Freeman et al., eds., *Lessons from the Local Group: A Conference in Honour of David Block and Bruce Elmegreen* (Springer, 2015).
9. A *rhema* is a verse (or portion of Scripture) that the Holy Spirit brings to our attention. We may need revelation into a current situation we are facing, or we may need direction (in my case, direction into which field of research God wanted me to undertake). The Holy Spirit guides us (John 16:13).
10. David L. Block, “NGC6872: A Remarkable Barred Spiral Galaxy,” *Astronomy and Astrophysics* 79 (Springer, 1979), L22–L23, ui.adsabs.harvard.edu/abs/1979A%26A....79L..22B/abstract.
11. The human backbone, which encloses the spinal cord and its surrounding fluid, cannot be seen optically. We need new eyes to penetrate our skin.
12. D. L. Block and R. J. Wainscoat, “Morphological Differences Between Optical and Infrared Images of the Spiral Galaxy NGC309,” *Nature* 353, no. 6339 (September 1991): 48–50, doi:10.1038/353048a0.
13. D. L. Block et al., “Imaging in the Optical and Near-Infrared Regimes II. Arcsecond Spatial Resolution of Widely Distributed Cold Dust in Spiral Galaxies,” *Astronomy and Astrophysics* 288 (August 1994), 383–395.
14. David L. Block and Kenneth C. Freeman, *God and Galileo: What a 400-Year-Old Letter Teaches Us About Faith and Science* (Crossway, 2019).
15. In this sense, Blaise Pascal speaks of the “hidden God” (Latin: *Deus absconditus*).
16. John Paul II, “Allocution of the Holy Father John Paul II to the Participants in the Plenary Session of the Pontifical Academy of Sciences,” October 31, 1992, in *Papal Addresses to the Pontifical Academy of Sciences 1917–2002, and to the Pontifical Academy of Social Sciences 1994–2002, Pontificiae Academiae Scientiarum Scripta Varia* 100 (Pontificia Academia Scientiarum, 2003), 336–343, pas.va/content/dam/casinapioiv/pas/pdf-volumi/scripta-varia/sv100pas.pdf.
17. The Latin reads: “*Liber tibi sit paginia divina, ut haec audias; liber tibi sit orbis terrarium, ut haec videas.*” See also “2120 enarrationes in psalmos,” Writings of Augustine, augnet.org, accessed June 1, 2023, augnet.org/en/works-of-augustine/writings-of-augustine/2120-enarrationes-in-psalmos/.
18. The martyr William Tyndale (c. 1494–1536) translated the New Testament into English so that multitudes in England could read those Scriptures in their mother tongue.
19. While the media invariably suggest that Edwin Hubble discovered the expanding universe, that is not true.
20. Edith Eva Eger, *The Choice: Embrace the Possible* (Scribner, 2017), 156.
21. See Blaise Pascal, *Thoughts*, trans. W. F. Trotter, in vol. 48 of *The Harvard Classics*, ed. Charles W. Eliot (Collier, 1910), 99. The original French quote reads thus: “Le cœur a ses raisons, que la raison ne connaît point.”

## Chapter 6: Seeing the Designer in the Lab

1. Richard Dawkins, *The Blind Watchmaker: Why the Evidence of Evolution Reveals a Universe Without Design* (W. W. Norton, 1987), 10.
2. Francis H. Crick and Leslie E. Orgel, “Directed Panspermia,” *Icarus* 19, no. 3 (July 1973): 341–346, doi:10.1016/0019-1035(73)90110-3.
3. Colin Barras, “First Americans May Have Been Neanderthals 130,000 Years Ago,” *New Scientist*, April 26, 2017, newscientist.com/article/2129042-first-americans-may-have-been-neanderthals-130000-years-ago/; Steven R. Holen et al., “A 130,000-Year-Old Archaeological Site in Southern California, USA,” *Nature* 544 (April 27, 2017): 479–483, doi:10.1038/nature22065.
4. Todd J. Braje et al., “Were Hominins in California ~130,000 Years Ago?,” *PaleoAmerica* 3, no. 3 (2017): 200–202, doi:10.1080/20555563.2017.1348091.
5. Ruth Gruhn, “Observations Concerning the Cerutti Mastodon Site,” *PaleoAmerica* 4, no. 2 (2018): 101–102, doi:10.1080/20555563.2018.1467192.
6. Fazale Rana, *The Cell’s Design: How Chemistry Reveals the Creator’s Artistry* (Baker Books, 2008), 269–283.
7. William Paley, *Natural Theology or Evidence of the Existence and Attributes of the Deity, Collected from the Appearances of Nature*, Oxford World’s Classics, ed. Matthew D. Eddy and David Knight (Oxford University Press, 2006), 7–8.
8. Joel S. Bader et al., “DNA Transport by a Micromachined Brownian Ratchet Device,” *Proceedings of the National Academy of Sciences, USA* 96, no. 23 (November 9, 1999): 13165–13169, doi:10.1073/pnas.96.23.13165.
9. Bader et al., “DNA Transport,” 13165–13169.
10. Qing Guo and Rui Sousa, “Translocation by T7 RNA Polymerase: A Sensitively Poised Brownian Ratchet,” *Journal of Molecular Biology* 358, no. 1 (April 21, 2006): 241–254, doi:10.1016/j.jmb.2006.02.001.
11. Ping Xie, “Model for Forward Polymerization and Switching Transition Between Polymerase and Exonuclease Sites by DNA Polymerase Molecular Motors,” *Archives of Biochemistry and Biophysics* 457, no. 1 (January 1, 2007): 73–84, doi:10.1016/j.abb.2006.09.019; Ping Xie, “A Possible Mechanism for the Dynamics of Transition Between Polymerase and Exonuclease Sites in a High-Fidelity DNA Polymerase,” *Journal of Theoretical Biology* 259, no. 3 (August 7, 2009): 434–439, doi:10.1016/j.jtbi.2009.04.009; Ping Xie, “A Nucleotide Binding Rectification Brownian Ratchet Model for Translocation of Y-Family DNA Polymerases,” *Theoretical Biology and Medical Modelling* 8 (June 24, 2011): id. 22, doi:10.1186/1742-4682-8-22.

## Chapter 7: A Vision for Archaeology and Faith

1. Frank Morison, *Who Moved the Stone?* (Faber & Faber; The Century Co., 1930). An independently published 2017 edition with amendments is currently available on Amazon at amazon.com/Who-Moved-Stone-Christian-Classics/dp/1521209677.
2. William Ramsay, *St. Paul the Traveller and the Roman Citizen* (Andesite Press, 2017).

3. Josh McDowell and Sean McDowell, *More Than a Carpenter*, rev. ed. (Tyndale, 2009).
4. This is famously presented in Richard C. Lewontin, “Billions and Billions of Demons,” *The New York Review*, January 9, 1997, nybooks.com/articles/1997/01/09/billions-and-billions-of-demons/.
5. Real Seekers Ministries, “Dr. Gary Habermas—Assessing the Pre-NT Christian Creeds,” Real Seekers, July 23, 2020, YouTube video, 1:19:45, youtube.com/watch?v=o2LA6i56Elc.
6. Gary Habermas and Michael Licona, *The Case for the Resurrection of Jesus* (Kregel Publications, 2004); Gary Habermas, *Evidence for the Historical Jesus: Is the Jesus of History the Christ of Faith?* (Christian Publishing House, 2020). See also Gary Habermas, *On the Resurrection: Evidences*, vol. 1 (B&H Academic, 2024).
7. Kristin Romey, “Unsealing of Christ’s Reputed Tomb Turns Up New Revelations,” *National Geographic*, October 30, 2016, nationalgeographic.com/culture/article/jesus-christ-tomb-burial-church-holy-sepulchre.
8. Vassilios Tzaferis, “Crucifixion—The Archaeological Evidence,” *Biblical Archaeology Review* 11, no. 1 (January/February 1985): 44–53, baslibrary.org/biblical-archaeology-review/11/1/6. See also, Biblical Archaeology Society Staff, “Roman Crucifixion Methods Reveal the History of Crucifixion,” *Bible History Daily* (blog), Biblical Archaeology Society, January 13, 2024, biblicalarchaeology.org/daily/biblical-topics/crucifixion/roman-crucifixion-methods-reveal-the-history-of-crucifixion/; Amanda Borschel-Dan, “How Jesus Died: Extremely Rare Evidence of Roman Crucifixion Uncovered in Italy,” *Times of Israel*, May 30, 2018, timesofisrael.com/extremely-rare-archaeological-evidence-of-roman-crucifixion-uncovered-in-italy/; and David Ingham and Corinne Duhig, “Crucifixion in the Fens: Life and Death in Roman Fenstanton,” *British Archaeology* (January–February 2022): 18–29, archaeologyuk.org/resource/free-access-to-crucifixion-in-the-fens-life-and-death-in-roman-fenstanton.html.
9. Jack Finegan, *The Archaeology of the New Testament: The Life of Jesus and the Early Church* (Princeton University Press, 1993), 359–374.
10. E. L. Sukenik, “The Earliest Records of Christianity,” *American Journal of Archaeology* 51, no. 4 (October–December 1947): 351–365, jstor.org/stable/500006.
11. “The Dead Sea Scrolls,” Israel Museum, Jerusalem, accessed April 8, 2024, imj.org.il/en/wings/shrine-book/dead-sea-scrolls.
12. “The Great Isaiah Scroll,” The Digital Dead Sea Scrolls, Israel Museum, Jerusalem, accessed April 8, 2024, dss.collections.imj.org.il/isaiah.
13. Eilat Mazar, “Is This the Prophet Isaiah’s Signature?,” *Biblical Archaeology Review* 44, no. 2 (March/April and May/June 2018), 64–73, 92, baslibrary.org/biblical-archaeology-review/44/2/7.
14. Nigel Reynolds, “Tiny Tablet Provides Proof for Old Testament,” *Telegraph*, July 11, 2007, telegraph.co.uk/news/uknews/1557124/Tiny-tablet-provides-proof-for-Old-Testament.html. See also Bryant Wood, “Nebo-Sarsekim Found in Babylonian Tablet,” Associates for Biblical Research, April 28, 2008, biblearchaeology.org/research/contemporary-issues/3520-nebosarsekim-found-in-babylonian-tablet.
15. J. Warner Wallace, *Cold-Case Christianity: A Homicide Detective Investigates the Claims of the Gospels* (David C. Cook, 2013).
16. For further reading, I recommend the following books by Titus Kennedy: *Unearthing the Bible: 101 Archaeological Discoveries That Bring the Bible to Life* (Harvest House, 2020); *Excavating the Evidence for Jesus: The Archaeology and History of Christ and the Gospels* (Harvest House, 2022); and *The Essential Archaeological Guide to Bible Lands: Uncovering Biblical Sites of the Ancient Near East and Mediterranean World* (Harvest House, 2023).

## Chapter 8: Why Science Was Stifled in China

1. Charles Cotherman, “Reflections on the History and Legacy of *Radix*,” *Radix Magazine*, September 12, 2020, radixmagazine.com/2020/09/12/reflections-on-the-history-and-legacy-of-radix/.
2. See, for example, Walter R. Hearn, *Being a Christian in Science* (InterVarsity Press, 1997).
3. J. C. Mather et al., “A Preliminary Measurement of the Cosmic Microwave Background Spectrum by the Cosmic Background Explorer (COBE) Satellite,” *Astrophysical Journal Letters* 354 (May 1990): L37, doi:10.1086/185717.
4. Joseph Needham, *Science and Civilisation in China Series*, 7 vols. (Cambridge University Press, 1957).
5. For a brief introduction, see chapter 7 in Kenneth R. Samples, *God Among Sages* (Baker Books, 2017).
6. *ren-ai* (仁爱) is the Confucian concept of benevolence or compassion. It can be translated *agape*, though it does not carry the Christian meaning of sacrificial love.
7. Confucius, 《論語·雍也》 “敬鬼神而远之,” in *The Analects of Confucius: An Online Teaching Translation*, trans. R. Eno, version 2.21 (2015), https://shorturl.at/bnaVr, Book VI, Item 6.22, p. 27.
8. Sik-Pui Wong, *Sacrificial Love—Portraits of CIM Missionaries* (Chinese language), (CCM Publishers, 2006); 黄錫培 《舍命的爱—中国内地会宣教士小传》 (美国中信出版社, 2006).
9. Wikipedia, s.v. “Zheng He,” last modified May 26, 2023, en.wikipedia.org/wiki/Zheng\_He.
10. The nine social echelons are further divided into the upper, middle, and lower categories. In the upper category are the following professions: kings, sages, hermits, immortals, literary scholars, samurai, peasants, laborers/artisans, and merchants. In the middle category are pre-scholars, doctors, fortune-tellers, artists, students, entertainers, monks, Taoist priests, and nuns. In the lower category are witches, showgirls/prostitutes, medicine-men, watchmen, barbers, musicians, actors, paupers, and candy men/hawkers.
11. Most Chinese consider Buddhism their indigenous religion, though it originated in India and spread to China and other Asian countries around the first century AD.
12. 天人合一 [English translation: “Heaven and man are one.”]

13. The Tsinghua University motto is derived from the Taoist “Yi Jing” (*Book of Change*): 《周易》“天行建，君子以自强不息”（乾卦）、”地势坤，君子以厚德载物”（坤卦）。  
[English translation: “As the heavens maintain vigor through movement, the gentleman should constantly strive for self-perfection. As the Earth is vast, the gentleman should have the breadth of character to carry different circumstances.”]
14. This is a lesson in missiology as some missionaries leveraged this “opportunity” to enter China, and earned the black mark that Christianity is an imperialistic arm of the West.
15. See, for example: In-Sing Leung, *Reflection on Mystery of the Universe* [Chinese language], rev. ed. (CCM Publishers, 1996); 梁燕城 《静思宇宙玄秘》（中信出版社，1996年增订版）。
16. “Peking Man,” *World Archaeology*, no. 48 (July 3, 2011), world-archaeology.com/great-discoveries/great-discoveries-pekings-man/.
17. Fazale Rana, “Were They Real? The Scientific Case for Adam and Eve,” Reasons to Believe, October 1, 2010, reasons.org/explore/publications/articles/were-they-real-the-scientific-case-for-adam-and-eve.
18. Li Jin and Bing Su, “Natives or Immigrants: Origin and Migrations of Modern Humans in East Asia,” *Nature Reviews Genetics* 1 (2000): 126–133, doi:10.1038/35038565; “Chinese Ancestors Were Africans Leading Geneticist Says,” posted by Khalif Sarahize, May 14, 2013, YouTube video, 2:09, youtube.com/watch?v=TzyoMqxppR0.

### Chapter 9: Reflections from a “Rocket Girl”

1. Francis Thompson, “The Hound of Heaven,” 1890, houndofheaven.com/poem. The “Hound of Heaven” is metaphor for the Holy Spirit, coined by Thompson and later used by C. S. Lewis as he describes his reluctant conversion to Christianity.
2. For further reading about this evidence, see Leslie Wickman, *God of the Big Bang: How Modern Science Affirms the Creator* (Worthy Books, 2015).
3. Leslie Wickman, “CNN Op-Ed on Discovery of Gravity Waves,” Starry Nights, Inc., *Reflections* (blog), March 31, 2014, starrynights.me/reflections/2014/3/31/cnn-op-ed-on-discovery-of-gravity-waves.html. Originally published as Leslie Wickman, “Does Big Bang Breakthrough Offer Proof of God?,” CNN, *Belief Blog*, March 20, 2014.
4. Leslie Wickman, “Is the Conflict Between Science and Religion Real?,” TEDx, Azusa Pacific University, YouTube video, 18:00, posted by TEDx Talks, May 19, 2015, accessed April 9, 2024, youtube.com/watch?v=xGbW-tYn6ZA.
5. See Mark Ross, “In Essentials, Unity, in Non-Essentials, Liberty, in All Things, Charity,” *Ligonier*, September 1, 2009, ligonier.org/learn/articles/essentials-unity-non-essentials-liberty-all-things.

### Chapter 10: Is There Compatibility Between the Big Bang and the Bible?

1. There are many objective reasons to believe that the Bible provides an accurate historical record, including the archaeological discoveries that have substantiated its historical accuracy. However, it is not the purpose of this chapter to describe the objective evidence for such a conclusion. Some details can be found in chapter 7, “A Vision of Archaeology and Faith,” by John Bloom.
2. The first Hugh Ross book that I read was *The Fingerprint of God*, followed by *The Creator and the Cosmos*, and then *A Matter of Days*.
3. Edwin Hubble, “A Relation Between Distance and Radial Velocity Among Extra-Galactic Nebulae,” *Proceedings of the National Academy of Sciences USA* 15, no. 3 (April 15, 1929): 168–173, doi:10.1073/pnas.15.3.168.
4. A. A. Penzias and R. W. Wilson, “A Measurement of Excess Antenna Temperature at 4800 Mc/s,” *Astrophysical Journal Letters* 142 (July 1965): 419–421, doi:10.1086/148307; R. H. Dicke et al., “Cosmic Black-Body Radiation,” *Astrophysical Journal Letters* 142 (July 1965): 414–419, doi:10.1086/148306.
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7. See, for example, Peter D. Ward and Donald Brownlee, *Rare Earth: Why Complex Life Is Uncommon in the Universe* (Copernicus, 2000), 202.
8. W. D. Mounce, ed., *Mounce’s Complete Expository Dictionary of Old and New Testament Words* (Zondervan, 2006), 157–158.
9. Gleason Archer, *A Survey of Old Testament Introduction*, 3rd rev. and exp. ed. (Moody Press, 1994), 199.
10. *Strong’s Exhaustive Concordance of the Bible* (Abingdon Press, 1890) lists 8,674 Hebrew and Chaldean words. Rodney Whitefield, *Reading Genesis One* (R. Whitefield, 2003), cites Robert L. Harris, Gleason L. Archer Jr., and Bruce K. Waltke, *Theological Wordbook of the Old Testament* (Moody, 1980), as stating there are 2,552 root words in Hebrew Scripture.
11. The Hebrew word *owlam* is the only word that could possibly mean “era,” but it almost always refers to an eternal time period, a time period from eternity, or a perpetual time period. The King James Version Old Testament lexicon says *owlam* is used 439 times. The KJV translates it as “long” only two times. Its English translations and the number of times it is translated are listed as the following: “ever” 272 times; “everlasting” 63 times; “old” 22 times; “perpetual” 22 times; “evermore” 15 times; “never” 13 times; “time” 6 times; “ancient” 5 times; “world” 4 times; “always” 3 times; “alway” (archaic for “always”) 2 times; “long” 2 times; “more” 2 times; “never” + *al* 2 times; and miscellaneous translations 6 times.
12. John Sailhamer, *Genesis*, in *The Expositor’s Bible Commentary*, ed. Tremper Longman III and David E. Garland, vol. 1, *Genesis–Leviticus*, rev. ed. (Zondervan, 2008), 59.
13. Ward and Brownlee, *Rare Earth*, 202.
14. Sailhamer, *Genesis*, 64.

15. The King James Version Hebrew lexicon defines *nephesh* as “soul, self, life, creature, person, appetite, mind, living being, desire, emotion, passion.” Note the close association between this word and the “soulish” aspect of higher mammals, which includes appetite, desire, mind, emotion, and passion.
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### **Chapter 11: Mission Accomplished**

1. C. S. Lewis, *Mere Christianity* (HarperCollins, 1952), 63.

### **Chapter 12: God’s “Two Books” Still Speak**

1. Fred Hoyle, *The Nature of the Universe* (Basil Blackwell, 1952), 109.
2. Hoyle, *Nature of the Universe*, 109.
3. Immanuel Kant, *The Critique of Pure Reason* in *Great Books of the Western World*, vol. 42, ed. Robert Maynard Hutchins (Encyclopedia Britannica, 1952).
4. Kant, *The Critique of Pure Reason*, 134–138.
5. Stephen W. Hawking and George F. R. Ellis, “The Cosmic Black-Body Radiation and the Existence of Singularities in Our Universe,” *Astrophysical Journal* 152 (April 1968): 25–36, doi:10.1086/149520; Stephen William Hawking and Roger Penrose, “The Singularities of Gravitational Collapse and Cosmology,” *Proceedings of the Royal Society of London A* 314 (January 1970): 529–548, doi:10.1098/rspa.1970.0021.
6. For a detailed description and explanation, see my book *Navigating Genesis* (RTB Press, 2013), chaps. 4–6.
7. L. Paul Knauth and Marin J. Kennedy, “The Late Precambrian Greening of the Earth,” *Nature* 460, no. 7256 (August 6, 2009): 728–732, doi:10.1038/nature08213; Paul K. Strother et al., “Earth’s Earliest Non-Marine Eukaryotes,” *Nature* 473, no. 7348 (May 26, 2011): 505–509, doi:10.1038/nature09943.
8. Hugh Ross, *Designed to the Core* (RTB Press, 2022), 178–181.
9. Hugh Ross, “Benefits of Viruses,” *Today’s New Reason to Believe* (blog), Reasons to Believe, August 1, 2022, reasons.org/explore/blogs/todays-new-reason-to-believe/benefits-of-viruses.
10. Ross, *Designed to the Core*, 97–101.