

Zygon[®]

Journal of
RELIGION & SCIENCE



MARCH 2021

VOLUME 56 NUMBER 1

Founding Editor: RALPH WENDELL BURHOE (1911–1997)

Editor: ARTHUR C. PETERSEN, University College London, UK

Book Review Editor: MLADEN TURK, Elmhurst University, USA

Associate Managing Editor: JAMES R. COOK (Wiley, Oxford)

Editorial Assistant: LALBIAKTUANGI CHHAKCHHUAK (Wiley, Chennai)

Assistant Treasurer and Chicago Editorial Office Assistant: DAVID M. GLOVER
(Zygon Journal Corporation)

Joint Publication Board, appointed by IRAS (www.iras.org), the Institute on Religion in an Age of Science (1954), CASIRAS (www.casiras.org), the Center for Advanced Study in Religion and Science (1972), which also supports the Zygon Center (www.zygoncenter.org), and by ISSR (www.issr.org.uk), the International Society for Science and Religion (2002):

CELIA DEANE-DRUMMOND, Director, Laudato Si' Research Institute, Oxford, UK
WILLEM B. DREES, Prof. Emeritus of Philosophy of the Humanities, Tilburg University, The Netherlands
SOLOMON H. KATZ, Prof. Emeritus of Anthropology, University of Pennsylvania, USA
EDWIN C. LAURENSON, Lawyer, McDermott Will & Emery LLP, San Francisco, USA (President)
KARL PETERS, Prof. Emeritus of Philosophy and Religion, Rollins College, USA
MICHAEL J. REISS, Prof. of Science Education, University College London, UK
MICHAEL RUSE, Prof. Emeritus of Philosophy, Florida State University, USA
FRASER WATTS, formerly Reader in Theology and Science, University of Cambridge, UK (Secretary)
GAYLE E. WOLOSCHAK, Prof. of Radiology and Cell and Molecular Biology, Northwestern University, USA (Treasurer)

Editorial Advisory Board:

FRANCISCO J. AYALA, formerly Donald Bren Professor of Biological Sciences, Univ. of California Irvine, USA
ZAINAL ABDIN BAGIR, Center for Religious and Cross-Cultural Studies, Gadjah Mada Univ., Indonesia
ANINDITA N. BALSLEV, Philosophy & Forum, 'Cross Cultural Conversation', India and Denmark
JOSEPH BULBULIA, Evolutionary/Longitudinal Study of Religion, Victoria Univ., New Zealand
RONALD COLE-TURNER, H. Parker Sharp Chair of Theology and Ethics, Pittsburgh Theological Seminary, USA
MIHALY CSIKSZENTMIHALYI, Distinguished Prof. of Psychology and Management, Claremont Graduate Univ., USA
TERRENCE DEACON, Prof. of Biological Anthropology and Linguistics, Univ. of California Berkeley, USA
GEORGE ELLIS, Prof. Emeritus of Applied Mathematics, Univ. of Cape Town, South Africa
DIRK EVERS, Prof. of Systematic Theology, Martin-Luther-Univ. Halle-Wittenberg, Germany
OWEN J. FLANAGAN, James B. Duke Prof. of Philosophy, Psychology, and Neuroscience, Duke Univ., USA
MOHAMMED GHALY, Prof. of Islamic Law and Biomedical Ethics, Center for Islamic Legislation and Ethics, Doha, Qatar
URSULA GOODENOUGH, Prof. Emerita of Biology, Washington Univ., St. Louis, USA
NIELS HENRIK GREGENSEN, Prof. of Systematic Theology, Univ. of Copenhagen, Denmark
NIDHAL GUSSOUM, Prof. of Physics and Astronomy, American Univ. of Sharjah, United Arab Emirates
PETER HARRISON, Director, Centre for the History of European Discourses, Univ. of Queensland, Australia
PHILIP HEFNER, Prof. Emeritus of Systematic Theology, Lutheran School of Theology at Chicago, USA
MICHAEL S. HOGUE, Prof. of Theology, Ethics, and Philosophy, Meadville Lombard Theological School, Chicago, USA
ANTJE JACKELÉN, Archbishop of the Lutheran Church of Sweden, Uppsala, Sweden
SEUNG CHUL KIM, Director, Nanzan Inst. For Religion and Culture, Nanzan Univ., Japan
MELVIN J. KONNER, Samuel Candler Dobbs Prof. of Anthropology, Emory Univ., USA
LI JIANHUI, Prof. of Philosophy and Ethics, School of Philosophy and Sociology, Beijing Normal University, China
LIU XIAOTING, Prof. of Sciences and Humanities, Beijing Normal University, China
LU FENG, Prof. of Ethics and Practical Philosophy, Tsinghua Univ., China
ANDREW B. NEWBERG, Thomas Jefferson Univ. Hospital, Philadelphia, USA
ANN MILLIKEN PEDERSON, Prof. of Religion, Augustana College, Sioux Falls, USA
GREGORY R. PETERSON, Prof. of Philosophy and Religion, South Dakota State Univ., USA
VARADARAJA V. RAMAN, Prof. Emeritus of Physics and Humanities, Rochester Institute of Technology, USA
HOLMES ROLSTON, III, Prof. Emeritus of Philosophy, Colorado State Univ., USA
ROBERT J. RUSSELL, Ian G. Barbour Prof. of Theology and Science, Graduate Theological Union, Berkeley, USA
ROBERT A. SEGAL, Sixth Century Chair in Religious Studies, Univ. of Aberdeen, UK
CHRISTOPHER SOUTHGATE, Prof. of Christian Theodicy, Department of Theology and Religion, Univ. of Exeter, UK
ANN TAVES, Distinguished Prof. of Religious Studies, Univ. of California Santa Barbara, USA
HAVA TIROSH-SAMUELSON, Irving and Miriam Lowe Prof. of Modern Judaism, Arizona State Univ., USA
MARY EVELYN TUCKER, Comparative Religion and Ecology, Yale Univ., USA
CLAUDIA VANNEY, Prof. of Physics and Philosophy, Universidad Austral, Argentina
FRANS DE WAAL, C. H. Candler Prof. of Primate Behavior, Director Living Links Center, Emory Univ., USA
WESLEY J. WILDMAN, Professor of Philosophy, Theology, and Ethics, Boston Univ., USA
AMOS YONG, Chief Academic Officer, Prof. of Theology and Mission, Fuller Theological Seminary, USA

Statement of Perspective. The word *zygon* means the yoking of two entities or processes that must work together. It is related to *zygote*—meaning the union of genetic heritage from sperm and egg, a union that is vital in higher species for the continuation of advancement of life. The journal *Zygon* provides a forum for exploring ways to unite what in modern times has been disconnected—values from knowledge, goodness from truth, religion from science. Traditional religions, which have transmitted wisdom about what is of essential value and ultimate meaning as a guide for human living, were expressed in terms of the best understandings of their times about human nature, society, and the world. Religious expression in our time, however, has not drawn similarly on modern science, which has superseded the ancient forms of understanding. As a result religions have lost credibility in the modern mind. Nevertheless some recent scientific studies of human evolution and development have indicated how long-standing religions have evolved well-winnowed wisdom, still essential for the best life. *Zygon's* hypothesis is that when long-evolved religious wisdom is yoked with significant recent scientific discoveries about the world and human nature, there results credible expression of basic meaning, values, and moral convictions that provides valid and effective guidance for enhancing human life. *Zygon* also publishes manuscripts that are critical of this perspective, as long as such papers contribute to a constructive reflection on scientific knowledge, human values, and existential meaning.

Editorial Offices. Main Editorial Office: *Zygon* Journal, John Wiley & Sons Ltd, 9600 Garsington Road, Oxford OX4 2DQ, UK. E-mail zygon@wiley.com. Chicago Editorial Office (Book Reviews): *Zygon* Journal, 1100 E. 55th Street, Chicago, IL 60615-5112, USA. Telephone +1 773-256-0767. E-mail zygon@lstc.edu.

Manuscripts. Please submit online via <http://mc.manuscriptcentral.com/zygon>. For author guidelines, see www.wileyonlinelibrary.com/journal/zygon.

Electronic Access and Back Issues. The journal, including all previous issues, is available at www.wileyonlinelibrary.com. Back issues are available from Wiley Blackwell Publishing, 350 Main Street, Malden, MA 02148, U.S.A. For back volumes in microfilm: University Microfilms, 300 North Zeeb Road, Ann Arbor, MI 48106; microfiche from Kraus Microform, Route 100, Millwood, NY 10564.

Indexes and Abstracts. *Zygon* is indexed in the ATLA Religion Database (www.atla.com). The contents are indexed or abstracted in *Arts & Humanities Citation Index*, *Book Review Index*, *Children's Book Review Index*, *Current Contents*, *Dietrich's Index Philosophicus*, *Family Index*, *Guide to Social Science and Religion*, *Humanities Index*, *I B Z—Internationale Bibliographie der Geistes—und Sozialwissenschaftlichen Zeitschriftenliteratur*, *Internationale Bibliographie der Rezensionen Geistes—und Sozialwissenschaftlicher Literatur*, *Lancaster Index to Defence & International Security Literature*, *New Testament Abstracts*, *Periodicals Contents Index*, *Philosopher's Index*, *R I L M Abstracts of Music Literature*, *Religion Index One: Periodicals*, *Religious & Theological Abstracts*, *Repertoire Bibliographique de la Philosophie*, *Russian Academy of Sciences Bibliographies*, *Social Sciences Citation Index*, *Social Services Abstracts*, and *Sociological Abstracts*.

Production Editor: Remya V R (ZYGO@wiley.com)

Advertising. For information and rates, contact Advertising Sales Representative, Wiley Blackwell, 350 Main Street, Malden, MA 02148; corporatesalesusa@wiley.com.

Copyright. Copyright and copying © 2021 Joint Publication Board of *Zygon*. All rights reserved. No part of this publication may be reproduced, stored, or transmitted in any form or by any means without prior permission in writing from the copyright holder. Authorization to photocopy items for internal and personal use is granted by the copyright holder for libraries and other users registered with their local Reproduction Rights Organization (RRO), e.g., Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, MA 01923, U.S.A. (www.copyright.com), provided the appropriate fee is paid directly to the RRO. This consent does not extend to other kinds of copying such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Special requests should be addressed to: permissions@wiley.com.

Disclaimer. The Publisher and Editor cannot be held responsible for errors or any consequences from the use of information in this journal. Views and opinions expressed do not necessarily reflect those of the Publisher and Editor; neither does publication of advertisement constitute any endorsement by the Publisher or the Editor of the product advertised.

Printed in the United States of America by The Sheridan Press.

ISSN 0591-2385 (Print)

ISSN 1467-9744 (Online)

For submission instructions, subscription and all other information visit: www.wileyonlinelibrary.com/journal/zygon

IN THIS ISSUE

EDITORIAL

ARTHUR C. PETERSEN Normativity and Biblical Criticism

ARTICLES

ANTJE JACKELÉN Technology, Theology, and Spirituality in the Digital Age

MIRJAM SCHILLING A Virocentric Perspective on Evil

GLEN MORAN The Final Domino: Yasir Qadhi, Youtube, and Evolution

CÉSAR MARÍN Effects of Academic Degree and Discipline on Religious

VICTOR HUGO GARCÍA-MERCHÁN and Evolutionary Views in Chile and Colombia

JULIÁN DAVID ARBELÁEZ-MORENO

ESTEBAN CAMILO OCHOA-BERRÍO

DIEGO MARTÍNEZ-RINCÓN

GUILLERMO D'ELÍA

EMILY QURESHI-HURST Outstanding Issues with Robert Russell's NIODA

CHRISTOPHER T. BENNETT Concerning Quantum Biology and Theistic Evolution

HUMANS, RELIGION, AND NORMATIVITY

BRUCE R. REICHENBACH Christianity, Science, and Three Phases of Being Human

JOONA AUVINEN On the Normative Significance of the Aims of Religious Practice

SCIENCE, RELIGION, AND THE RISE OF BIBLICAL CRITICISM

JAMES C. UNGUREANU Introduction to the Symposium on Science, Religion, and the Rise of Biblical Criticism

PAUL C. H. LIM Atheism, Atoms, and the Activity of God: Science and Religion in Early Boyle Lectures, 1692–1707

DIEGO LUCCI The Biblical Roots of Locke's Theory of Personal Identity

JON W. THOMPSON The Naturalization of Scriptural Reason in Seventeenth-Century Epistemology

JAMES C. UNGUREANU From Divine Oracles to the Higher Criticism: Andrew D. White and the Warfare of Science with Theology in Christendom

NATHAN K. C. BOSSOH Scientific Uniformity or "Natural" Divine Action: Shifting the Boundaries of Law in the Nineteenth Century

STUART MATHIESON The Victoria Institute, Biblical Criticism, and *The Fundamentals*

SAMUEL J. LONCAR Science and Religion: An Origins Story

CONTENTS

EDITORIAL

Normativity and Biblical Criticism	ARTHUR C. PETERSEN	3
--	--------------------	---

ARTICLES

Technology, Theology, and Spirituality in the Digital Age	ANTJE JACKELÉN	6
A Virocentric Perspective on Evil	MIRJAM SCHILLING	19
The Final Domino: Yasir Qadhi, Youtube, and Evolution	GLEN MORAN	34
Effects of Academic Degree and Discipline on Religious and Evolutionary Views in Chile and Colombia	CÉSAR MARÍN, VÍCTOR HUGO GARCÍA-MERCHÁN, JULIÁN DAVID ARBELÁEZ-MORENO, ESTEBAN CAMILO OCHOA-BERRÍO, DIEGO MARTÍNEZ-RINCÓN, AND GUILLERMO D'ELÍA	54
Outstanding Issues with Robert Russell's NIODA Concerning Quantum Biology and Theistic Evolution	EMILY QURESHI-HURST AND CHRISTOPHER T. BENNETT	75

HUMANS, RELIGION, AND NORMATIVITY

Christianity, Science, and Three Phases of Being Human	BRUCE R. REICHENBACH	96
On the Normative Significance of the Aims of Religious Practice	JOONA AUVINEN	118

SCIENCE, RELIGION, AND THE RISE OF BIBLICAL CRITICISM

Introduction to the Symposium on Science, Religion, and the Rise of Biblical Criticism	JAMES C. UNGUREANU	139
Atheism, Atoms, and the Activity of God: Science and Religion in Early Boyle Lectures, 1692–1707	PAUL C. H. LIM	143
The Biblical Roots of Locke's Theory of Personal Identity	DIEGO LUCCI	168
The Naturalization of Scriptural Reason in Seventeenth-Century Epistemology	JON W. THOMPSON	188
From Divine Oracles to the Higher Criticism: Andrew D. White and the Warfare of Science with Theology in Christendom	JAMES C. UNGUREANU	209

Scientific Uniformity or “Natural” Divine Action: Shifting the Boundaries of Law in the Nineteenth Century	NATHAN K. C. BOSSOH	234
The Victoria Institute, Biblical Criticism, and <i>The Fundamentals</i>	STUART MATHIESON	254
Science and Religion: An Origins Story	SAMUEL J. LONCAR	275

BOOK REVIEW

<i>Why Science and Faith Need Each Other: Eight Shared Values That Move Us Beyond Fear.</i> By Elaine Howard Ecklund	ARTHUR C. PETERSEN	297
--	--------------------	-----

PATRONS		299
-------------------	--	-----

ANNOUNCEMENTS		300
-------------------------	--	-----

- Visit us at www.zygonjournal.org •

[*Zygon*, vol. 56, no. 1 (March 2021)]

© 2021 by the Joint Publication Board of *Zygon*. ISSN 0591-2385 (Print), ISSN 1467-9744 (Online)
Zygon and its logo are registered trademarks.

Information for Subscribers. *Zygon: Journal of Religion and Science* is published quarterly by the Joint Publication Board of *Zygon*, 1100 East 55th Street, Chicago, IL 60615-5112, USA, phone +1-773-256-0671, e-mail zygon@lstc.edu, through Wiley Subscription Services, Inc., a Wiley company, 111 River St., Hoboken, NJ 07030-5774, USA.

Subscription Prices. Personal: print + online \$97/£86/€97; AAR members: print + online \$80/£66/€80; Students: print + online \$61/£55/€61; Institutional: print + online \$515/£430/€541, print only \$412/£344/€433, online only \$412/£344/€433. Prices are exclusive of tax. Asia-Pacific GST, Canadian GST/HST, and European VAT will be applied at the appropriate rates. For more information on current tax rates, please go to www.wileyonlinelibrary.com/tax-vat. The price includes online access to the current and all online back files to January 1, 2015, where available. For other pricing options, including access information and terms and conditions, please visit <https://onlinelibrary.wiley.com/library-info/products/price-lists>.

Journal Customer Services: For ordering information, claims, and any inquiries concerning your journal subscription please go to www.wileycustomerhelp.com/ask or contact your nearest office.

Americas: Email: cs-journals@wiley.com; Tel: +1 781 388 8598 or +1 800 835 6770 (toll free in the USA & Canada).

Europe, Middle East, and Africa: Email: cs-journals@wiley.com; Tel: +44 (0) 1865 778315.

Asia Pacific: Email: cs-journals@wiley.com; Tel: +65 6511 8000.

Japan: For Japanese speaking support, Email: cs-japan@wiley.com; Tel: +65 6511 8010 or Tel (tollfree): 005 316 50 480.

Visit our Online Customer Help available in 7 languages at <https://hub.wiley.com/community/support/onlinelibrary>

Mailing. Periodical postage paid at Hoboken, New Jersey, and additional offices. Postmaster: Send address changes to *Zygon*, John Wiley & Sons Inc., C/O The Sheridan Press, PO Box 465, Hanover, PA 17331.

Delivery Terms and Legal Title. Where the subscription price includes print issues and delivery is to the recipient's address, delivery terms are Delivered at Place (DAP); the recipient is responsible for paying any import duty or taxes. Title to all issues transfers FOB our shipping point, freight prepaid. We will endeavour to fulfil claims for missing or damaged copies within six months of publication, within our reasonable discretion and subject to availability.

Printed in the USA by The Sheridan Group