

Eighteen Months at Zygon Center

Twelve events and projects stand out in the activities of the Zygon Center in the period since our last Newsletter. These events do in fact tell the ZCRS story; the medium really is the message; we will reprise them here, as the major substance of this issue, both reporting and interpreting them for our readers. The order is roughly chronological; we are hard-pressed to differentiate them in terms of their importance, because each of them is at the top of the list of what ZCRS envisions.

Capetown and Chicago: Focus on World Religions

When we changed our name to the Zygon Center, early in 1999, we announced that the interaction of religion and science within the dialogue between world religions would become a high priority. That priority became actual at the Third Parliament of the World's Religions in Capetown, South Africa, on 5 December 1999. ZCRS joined with the Institute on Religion in an Age of Science in organizing an all-day symposium on the theme, "Science and the Religions: Resource and Challenge for Each Other." Eleven symposiasts, with an audience of 75 persons, met for the day. The symposiasts, from Thailand, Indonesia, Denmark, and the United States, represented eight traditions: Judaism, Buddhism, Hinduism, Protestant Christianity, Roman Catholi-

cism, Unitarianism, and Religious Naturalism. Five of these presentations will be published by Open Court Press in the Fall 2001, under the title, *At Home in the Cosmos*; seven will appear in the March 2002 issue of *Zygon: Journal of Religion and Science*.

The very title of this symposium states the approach that ZCRS wishes to employ: (1) that the religions of the world stand together in engaging science, and (2) that this engagement will challenge both science and the religions, even as it also provides a resource for their further self-understanding and development.

The symposiasts and their topics : Solomon Katz, anthropologist, (University of Pennsylvania), Jewish: "A Scientist's Questions for the Millennium"; V.V. Raman, physics, (Rochester Institute of Technology), Hindu: "Science and the Spiritual Vision"; Haman Hadi, medicine, (University of Gadjah Mada), Indonesia, Muslim: "Religion as Resource for Science"; Pinit Ratanakul, religious studies, (Mahidol University), Bangkok, Buddhist: "Religion



Back Row: W. Leshner, P. Ratanakul, V. Mortensen, P. Hefner, N. Samuleson, V.V. Raman.
Front Row: H. Hadi, K. Peters, I. Shafer, U. Goodenough, S. Katz.



and Science in Buddhist Perspective”; Viggo Mortensen, theology, (Aarhus University), Denmark, Christian: “A Model for Dialogue”; Philip Hefner, theologian, (Lutheran School of Theology at Chicago), Christian: “A Christian Theologian’s Questions for the Millennium”; Norbert Samuelson, religious studies, (Arizona State University), Jewish: “Minds, Emotions, and Human Beings: Jewish Perspective”, and Ingrid Shafer, philosophy, (University of the Arts and Sciences of Oklahoma), Roman Catholic: “What Does It Mean to be Human?”. Ursula Goodenough, biology, (Washington University, St. Louis), religious naturalist; Karl Peters, philosophy and religious studies, (Rollins College), Unitarian Universalist; and William Leshner, church leader and pastor, (New Day International Foundation), Christian were commentators at the Symposium.

Under the direction of James Moore, three additional events deserve mention as significant approaches to the our work in the inter-religious dialogue. (1) A one-day (22 June, 2000) inter-religious consultation was organized in conjunction with the ZCRS summer workshop. Elsewhere in this issue, this group is described. It was an explicit attempt to provide an inter-religious perspective on our annual summer workshop, which dealt with “Evidence for Design.”

(2) On 30 May 2001, a small group of scholars of Judaism, Islam, and Christianity met for a half-day planning session for a major ZCRS conference that will be held on the campus of the University of Chicago, 29 September-1 October 2001. The theme of this conference is, “The Possibility of a Global Ethic: The Potential of a Religion-Science Dialogue on HIV/AIDS”. Detailed information on this conference can be found on page 11.

(3) An important approach to the inter-religious

dimension is clear in the summer 2000 consultation and the 2001 meetings: that inter-religious dialogue is not only a subject in itself, but that the perspectives of the world’s religions ought to be included in the consideration of other important religion-science themes. In its focus on HIV/AIDS, the September 2001 conference reminds us that both the dialogues between religion and science and those between the religions must engage the major concrete problems that face the global world community today.

Burhoe Endowment, CASIRAS Partnership, LSTC Professorship

On 10-11 November, we witnessed one of the two most important institutional developments for ZCRS since the founding of the predecessor Chicago Center for Religion and Science in 1988. In 1988, Ralph Wendell Burhoe, on behalf of the Center for Advanced Study in Religion and Science (CASIRAS), joined with William Leshner, then president of the Lutheran School of Theology at Chicago (LSTC), to establish the Center. Burhoe was also the founding editor of *Zygon: Journal of Religion and Science*, in 1965 and winner of the Templeton

Prize for Progress in Religion, in 1980. At his death in 1997, Burhoe established an endowment fund to be administered by CASIRAS, for the Zygon Center and the Zygon Journal. The Center changed its name in acknowledgement of this endowment bequest.



Shown in photo-Front Row, l to r: Kathleen Billman, James Kenneth Echols, Solomon Katz, Philip Hefner. 2nd row: Robert Sorensen, Sandra Andersen, Thomas Gilbert, Beth Engel, Don Browning, William Leshner. Last row: Robert Glassman, Carol Albright, Karl Peters, Paul Heltne and Rodney Holmes.



Last November, the boards of directors of CASIRAS and LSTC formally entered into partnership by which a \$1 million endowment fund, owned and governed by CASIRAS, will be administered by LSTC for the journal and the center. Organizationally, this move has great importance for the Center, and it provides a modest base of financial support for the ongoing maintenance of the Center and the journal.

Perhaps of even more importance, however, is that these developments give, for the first time, legal and organizational expression to Burhoe's vision that contemporary science and traditional religion could be yoked ("zygon" is the Greek word for "yoke.") for cooperative work that contributes to the welfare of the human community. At the 11 November session of the board meeting, CASIRAS president Solomon Katz (anthropology, University of Pennsylvania) and James Kenneth Echols, president of LSTC, gave public affirmation to this guiding vision that Burhoe enunciated half a century ago.

At about the same time, the Lutheran School of Theology made the equally important decision to establish a professorship in theology that includes engagement with science. The significance of this decision is underscored by the recognition that there are fewer than five such professorships in the entire world. Dr. Antje Jackelén of the University of Lund, Sweden, will assume this position in July 2001, on the occasion of Philip Hefner's retirement (see articles elsewhere in this issue).

These two events, the Burhoe Endowment and the coming of Dr. Jackelén, mark a watershed transition in our work. The engagement of religion and science at LSTC and ZCRS moves from being an informal "special interest" to an established institutional priority. The partnership of LSTC and CASIRAS marks a unique venture: an organization created by scientists working closely with a traditional religious institution for a common vision of yoking for the interests of human welfare.

Teaching is a basic component of the ZCRS/LSTC programs. For many years, the Epic of Creation series and the Spring Advanced Seminar have been the signature elements of our religion/science educational efforts. Since teaching as such is only one aspect of those two projects, we will give special mention to these projects under different rubrics,

Teaching Initiatives: Future of Creation and "Pheasant Run"

below. Two new projects emerged in 2001 that hold great promise for the religion-science engagement to become significant teaching elements at LSTC and the other five Hyde Park Chicago seminaries: the "Pheasant Run" project and the Future of Creation course.

On the weekend of 11-12 January, seventeen seminary teachers and four scientists convened a workshop at Pheasant Run Resort, northwest of Chicago, to share their ideas of how their own teaching could engage science for the enrichment of the seminary curriculum. These teachers represented the fields of biblical studies, history, preaching, religious education, and doctrinal theology. They were joined by two physicists, a biologist, and a primatologist. The seminaries from which they came include LSTC, McCormick Theological Seminary (Presbyterian), Catholic Theological Union (Roman Catholic), Meadville/Lombard Theological School, (Unitarian Universalist), and an observer from Saint Paul School of Theology in Kansas City (Methodist). This was a high-energy meeting, which expressed the intention of making definite proposals to the seminaries for the 2001-2002 academic year. Each participant presented a personal statement on how science can play a role in seminary education; these statements have been gathered and distributed as a tangible record of the workshop and as a starting-point for the next phase of this project. The initial moves in this work will be undertaken by the LSTC faculty. The eleven members of the LSTC faculty who attended the workshop may well constitute the largest number of such faculty in any seminary in the country.

This workshop was funded by the CTNS Science and Religion Courses Program, Midwest Region, and ZCRS. John and Carol Albright are co-directors of the CTNS program, and they not only helped to design the workshop, but were also active participants.



Wolfhart Pannenberg Inaugurates Albright Lectureship

Wolfhart Pannenberg is one of the leading theologians in the world today and also a major contributor to theological reflection on science. ZCRS joined with the CTNS Science and Religion Course program, *Zygon: Journal of Religion and Science*, and the Albright endowed lectureship to bring him to Chicago for a lecture and all-day workshop at LSTC on 2-3 March 2001. His public lecture, entitled "God the Spirit and Natural Science" presented new developments in his idea that causality as understood by physics, is best



James Echols, John Albright, Wolfhart Pannenberg, Philip Hefner

interpreted theologically in terms of the Holy Spirit, correlated to physical concepts of field theory. This is a far-reaching proposal that Pannenberg introduced some years ago, to a mixed reaction from physicists. In this lecture he carried the idea further, in an attempt to respond to criticisms that he has received from scientists. In doing so, he exemplifies his life-long effort to engage scientists in genuine constructive dialogue. This lecture, with responses by physicist John Polkinghorne and theologian Philip Hefner, will be published in the December 2001 issue of *Zygon: Journal of Religion and Science*.

The CTNS program organized an all-day symposium on March 3, which allowed the discussion of the lecture to continue in depth. The symposium was marked by papers by physicist Lawrence Fagg (Catholic University of America), neuroscience scholar Carol Albright, and theologians LeRon Shults (Bethel Seminary), and Philip Hefner.

The Pannenberg event exemplifies ZCRS's aim of fostering the highest level of scholarship in the field of religion and science.

The Advanced Seminar and Epic of Creation

The Advanced Seminar and the Epic of Creation are two of the core activities of ZCRS. In 1965, Ralph Burhoe organized the seminar as an interdisciplinary opportunity, primarily for faculty and other researchers to pursue in depth topics that interest them. The seminar was originally located at Meadville/

Lombard Theological School, and moved to LSTC in the early 1980s. This spring, the seminar focused on naturalistic modes of thought and their resources for reflecting on religious issues that arise in the conversation

between religion and science. Several representatives of religious and theological naturalism made presentations to the seminar, including philosopher Victor Anderson (Vanderbilt University), philosopher and theologian Jerome Stone (William Rainey Harper College), political scientist Larry Arnhart (Northern Illinois University), biologist Ursula Goodenough (Washington University, St. Louis), and philosopher and theologian Karl Peters (Rollins College). Don Browning (ethics and social sciences, University of Chicago) and Roger Willer (Ph.D. candidate, theological ethics, University of Chicago) discussed ways in which naturalism can be useful for theological and ethical thinking. The seminar was chaired by James Nelson (theology, North Park University) and Philip Hefner. Plans for the 2002 seminar include extensive consideration of the concept of "created co-creator," as developed by Hefner. The main text will be the manuscript of his Rockwell Lectures, to be delivered at Rice University in the fall of 2002.

Thomas L. Gilbert, physicist (ret.) at Argonne National Laboratory, and adjunct profes-



sor at LSTC, designed and initiated the Epic of Creation project in 1988. It has been offered each winter, for the past thirteen years, as a series of twenty lectures, under the themes of “the scientific story of creation,” “the biblical story of creation,” and “theological interpretation of the stories of creation.” More than 500 students have taken the course for credit in these years, with an equal number of auditors who attend out of their general interest. This year, the series attracted as many as 100 listeners in some sessions, and averaged more than 75 for the entire series. Ten scientists are among the lecturers, including 5 from the University of Chicago, and one each from Argonne National Laboratory, the Chicago Academy of Sciences, Northern Illinois University, Northwestern University, and the University of Washington. The biblical and theological scholars are Roman Catholic, Lutheran, and Presbyterian. Gilbert is in the final stages of preparing the texts of the lectures for publication as a book. (see page 9)

These two projects serve multiple purposes: they are teaching events, but also scholarly projects, and they succeed in bringing working scientists and theologians together for common endeavors, “yoking” in the ZCRS style.

Graduate Students in Religion and Science

Elsewhere in this issue, we present profiles of the students who are concentrating in religion/science studies. Here we give special mention to four scholars who have passed milestones in their degree programs. Charles F. Smith completed his Field examinations and received approval of Ph.D. dissertation proposal. His topic deals with the impact of Jesus Christ as interpreted in light of theories cultural evolution. James Haag successfully completed his M.A. thesis on Wolfhart Pannenberg’s concepts of contingency in the light of scientific theories. Eszter Simon, of Hungary, completed her M.A. thesis on Albert Einstein’s understanding of God, compared with theologian Paul Tillich’s ideas. Eevastiina Parikka, a graduate student at the University of Helsinki was in residence at ZCRS during the fall of 2000. Through such students as these, ZCRS makes

a contribution to the future of scholarly work on the interface of religion and science. Nothing is more central to our aims than this preparation of graduate students. (see pages 14-15)

Summing Up

What is the Zygon Center? What does it stand for? One of the best ways of answering those questions is to describe what the Center is doing. This reprise of the past eighteen months at ZCRS does just that. To this reprise, we should add the publication of this newsletter. There is “news” here, but, perhaps even more, there is reflection and interpretation, and some of that comes through simply in sharing what we do, week after week, month after month. Research, dialogue, inter-religious conversation, hospitality to hundreds of persons, teaching, preparation of graduate students, publications: this is ZCRS. It all fits under that name “zygon,” yoking religion and science to engage the issues that are critical for the human community today. Insofar as you, the reader, are able, we invite your participation.

We also ask that you share the work of ZCRS with others, and if you are able, to send us a financial contribution. The Burhoe/CASIRAS Endowment gives us a financial base for our operation, but we need more to sustain the kinds of activities that are described in this reprise. All contributions are both gratefully received and tax-deductible (See middle insert.) Philip Hefner

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2001 Spring Seminar

The courses at ZCRS are available to students for course credit as part of a degree program. Also, the series of lectures of these courses is organized for basic interest and is open to the public.

Advanced Seminar in Religion and Science:

“Naturalism and Transcendence in Religious Thinking”

Lutheran School of Theology at Chicago

Monday Evenings, 7:00 p.m.- 10:00 p.m.

The seminar focused on how religious thinking (including theology) can take the natural order seriously and still make its religious claims. In ten sessions, the seminar will explore naturalist philosophies and theologies, resources from the scientific study of the natural order, and ways in which traditional concerns for transcendence are reformulated.

26 March: James Nelson (theology, North Park University), “What Is Naturalism?” and Philip Hefner (theology, Lutheran School of Theology at Chicago), “Naturalism and Religion: The Basic Issues.”

2 April: Philip Hefner, “The Contribution of Ralph Wendell Burhoe.”

9 April: Larry Arnhart (political science, Northern Illinois University), “Thomistic Natural Law as Darwinian Natural Right.”

16 April: Jerome Stone (philosophy [emeritus], William Rainey Harper College), “A Naturalist Christian Theology.”

23 April: Victor Anderson (theology, Vanderbilt University) and Chandra Taylor-Smith (religious studies, North Park University), “American Pragmatism as a Resource for Theology.”

30 April: Don Browning (ethics and social sciences, University of Chicago), “Love in Theological and Sociobiological Perspectives.”

7 May: Ursula Goodenough (biology, Washington University St. Louis), “What is the Religious Potential of Our Scientific Understandings of Nature?”

14 May: Karl E. Peters, (philosophy and religion, Rollins College; philosophy, University of Hartford), “Evolutionary Naturalistic Theism”

21 May: Roger Willer (theology, University of Chicago), “Emergence: Recognizing the Common Ground in Theology and Science.”

28 May: James Nelson and Philip Hefner, “Summing Up.”



The Epic of Creation:

Scientific, Biblical and Theological Perspectives on Our Origins

Lutheran School of Theology at Chicago

Annual Event since 1989

Directed by physicist, Thomas Gilbert

The annual Epic of Creation lecture series was offered for the 12th time this past winter quarter at the Lutheran School of Theology, starting on January 8 and running for 10 consecutive Monday evenings, 7 - 10 pm. As usual it was well attended and enjoyed by all who attended. This popular series consists of three parts.

The Scientific Story of Creation

In part I the scientific story, an account of past events back to the beginning of time as inferred from records in starlight, rocks, and fossils, is told by scientists who are among the many authors writing the story. Part I featured as lecturers Edward Kolb, cosmology, (University of Chicago/Fermilab); Donald York, astronomy, (University of Chicago); David Oxtoby, physical chemistry, (University of Chicago); Gayle Woloschak, molecular biology, (Argonne National Laboratories); James Hopson, biology, (University of Chicago); Fred Smith, anthropology, (Northern Illinois University); Philip Ulinski, neurobiology, (University of Chicago); Terrence Deacon, biological anthropology, (University of Washington); Paul Heltne, primatology, (Chicago Academy of Science); and William Irons, anthropology, (Northwestern University).

The Biblical Story of Creation

In part II the story of the world's beginnings and continuing creation as found in the Old and New Testaments is told by biblical scholars, with introductory material and lectures that present the background of civilizations that contributed to Christian concepts of creation. Part II included Bernard Batto, religion, (DePauw University); Ralph Klein, Old Testament, (LSTC); and Edgar Krentz, New Testament and Its World, (LSTC).

Theological Interpretations

In part III theologians explore the meaning of the stories and reflect on issues and questions raised by the stories and their implications for Christian understandings of the world, humanity, and God. Topics include God and creation, Christology and cosmology, theologies of nature, and salvation. Philip Hefner, theology, (ZCRS/LSTC); James Moore, theology, (Valparaiso University); Anna Case-Winters, theology, (McCormick Theological Seminary); Zachary Hayes O.F.M., theology, (Catholic Theological University); and Richard Busse, theology, (ZCRS/LSTC) were lecturers in Part III.

This series will be offered again next year in the Winter quarter of 2002 and will begin in January. The lectures will be free and open to the public. Individual lectures are self-contained for those unable to attend all. The series may be taken for course credit. Details on next year's series will be available in the Fall of 2001 at the ZCRS office.



ZCRS News

Here and Abroad

Lea Schweitz, former executive coordinator of ZCRS, left this position in August, 2000 to pursue her Ph. D. program studying Philosophy of Religion at the University of Chicago Divinity School. However, she plans to continue her activity with ZCRS.

In the Sunday, August 13, 2000 Edition of the New York Times **Jim Moore** was quoted in an article entitled "Science Expands, Religion Contracts". This was part of a series of articles in the New York Times focusing on science and religion.

A revised version of a paper **Jim Moore** presented two years ago "Re-Envisioning Christianity: A New Era in Christian Theological Interpretation of Christian Texts" appeared in the Winter 2001 issue of *Cross Currents*. Jim was also on a panel on the recent directive by the Catholic Church regarding other religions for the Western States Jewish Studies Association in Arizona in March 2001.

Paul Ulbrich, emergency medical doctor and visiting scholar at ZCRS, taught a 3-day practicum on drugs at the Lutheran School of Theology at Chicago, March 23-25, 2001. Entitled "The Evolutionary Foundation of Morality and Religion", this last Practicum got into areas not explored before. The discussions focused on the uses of drugs in past and present wars.



Paul Ulbrich will be giving a workshop on "Technical Ethics" at the Forty-Eighth Annual Star Island Conference this summer, July 28th-August 4th. Paul's work-

shop will present some of the difficulties and possible solutions of using science and technology as concepts in approaching ethical problems. This conference is sponsored by IRAS (The Institute on Religion in an Age of Science) and the focus of this year conference is "Human Meaning in a Technological Culture." Philip Hefner will be the Chaplain at this conference. For more details, go to their website: www.iras.org.

Tom Gilbert has accepted an invitation to be the 2001 Robison Lecturer in Religion at Culver-Stockton College on October 4, 2001. The title of his lecture will be: "The Epic of Creation: An Exploratory Journey in Quest of Meaning." It will cover the material in an introductory chapter he is writing for the syllabus for the course "The Epic of Creation: Scientific, Biblical, and Theological Perspectives on Our Origins".

Philip Hefner will spend September, October, and November in Houston, Texas, teaching at the Melancthon Institute, a continuing education center established by Christ the King Lutheran Church. He will teach two 5-week courses for pastors: "Genetic Medicine and Ministry," and "Ministry and Changing Images of the Human Person." He will also teach two five-week courses for laity at the Episcopal Cathedral on "Faith Interprets Culture," and "Creation and Nature."





Amsterdam- l to r:
Willem Drees,
Philip Hefner,
Anne Kull,
Eduardo Cruz,
Mladen Turk,
Hubert Meisinger,
Lindon Eaves,
Antje Jackelén.

ZCRS ON THE INTERNATIONAL SCENE

ZCRS was a presence at two international conferences in the past year, through the participation of people who are related to the Center. **AMSTERDAM.** Willem Drees, one of our first visiting scholars and long-time associate, organized an interdisciplinary conference at the Free University of Amsterdam, 27-30 October, 2000, on the theme, "Is Nature ever Evil, Wrong. or Ugly?". Antje Jackelén, who now holds the position in theology and science at LSTC, was a sponsor of the conference, through her position as director of the European Science and Religion Courses Program. Philip Hefner was one of the keynote speakers. Invited seminar papers were also delivered by Eduardo Cruz, of the Pontifical University of Sao Paulo, Brazil, who received his Ph.D. from LSTC and has been a visiting scholar, Anne Kull, of the University of Tartu, Estonia, who also received her Ph.D. from LSTC, Mladen Turk, a current Ph.D. candidate in religion and science, Hubert Meisinger, former visiting scholar, and Lindon Eaves, ZCRS associate. These papers will be published in book form next year, by Routledge Publishers.

TARTU, ESTONIA. On May 4-5, 2001, at the University of Tartu, Anne Kull organized a conference, "The Human Being at the Intersection of Science, Religion and Medicine." Antje Jackelén and Philip Hefner were featured speakers. Jackelén's theme was, "The Image of God as Techno Sapiens"; Hefner spoke on the topic, "Our Evolving World: The Challenge of Evolution to Mind and Spirit". Eevastiina Parikka, of the University of Helsinki

and a visiting scholar at ZCRS last Fall, was also a conference participant. She studies with Professor Eeva Martikainen, who also was present at Tartu.

Jim Moore served on the advisory planning committee for the third international conference on the Holocaust, "Remembering for the Future III", held in Oxford in the Spring of 2000, and had an additional paper presented for that conference, "Facing the Violence: Reflections on John 8 and Exodus 3 in Dialogue." This conference brought the dialogue group together with a team from Louvain. The format marked an important step forward for midrashic dialogue and was met with overwhelming praise. In the aftermath of that panel, the US Holocaust Memorial Museum has asked the group to prepare a workshop built around that dialogue for teachers of the Holocaust and the journal SIDIC (now scheduled for the Fall 2001 issue) has asked them to publish their papers as part of a special issue on new approaches to doing theology after the Shoah.

Estonia: Phil Hefner, Antje Jackelén, Anne Kull and Eevastiina Parikka.





Chicago Summer Workshop 2000

CTNS Science and Religion Course Program



James Moore

In association with the CTNS Science and Religion Course Program, the Zygon Center for Religion and Science hosted an advanced workshop at the Ramada Inn Lake Shore in Hyde Park, just south of downtown Chicago. More than 90 people, including 7 speakers, 6 student presenters, 3 artists, and 27 Science and Religion Course Prize winners, gathered June 23-27, 2000 to think together on the theme, "Evidence for Design: Finding New Ground for Dialogue between Religion and Science."

This year's workshop featured presentations by Dr. Ian Barbour, (Carleton College), "Concepts of Design in Evolution"; Dr. Owen Gingerich, (Harvard University), "Dare a Scientist Believe in Design?"; Dr. Philip Hefner, (LSTC), "The Created Co-Creator as Testimony to Design"; Dr. Mary Hunt, (Women's Alliance for Theology, Ethics, and Ritual), "Designer Theology: A Feminist Perspective"; Dr. James Moore, (Valparaiso University), "Process as Design: Theology and Evolution"; and Dr. Gayle Woloschak, (Argonne National Laboratories), "Harmony in Creation: Unity and Diversity".

For a second year, the workshop recognized exceptional projects in religion and science by graduates and undergraduates with a session for student presentations. Their research papers and artistic projects (both painting and sculpture) helped to emphasize the importance of encouraging high quality, informed work at the graduate and undergraduate level.

These outstanding presentations were complimented by a field trip to Argonne National Laboratories. This visit, particularly to Argonne's Advanced Photon Center and electron microscopy labs, gave the participants some insight into the practice of sophisticated scientific research. The overall workshop and the field trip in particular were especially relevant given that Gayle Woloschak presented on genetics and that the workshop coincided with the announcement of the full mapping of the human genome.

Finally, many of us believe that any genuine dialogue between religion and science, including conversations about design, must expand to include the whole range of religions. In concert with these current objectives, the Zygon Center for Religion and Science hosted an inter-religious, pre-workshop meeting focusing on the workshop theme. The pre-workshop conversation had as contributing participants Dr. Ghulam-Haider Aasi from the American Islamic College, Dr. George Bond, Buddhist scholar from Northwestern University; Rabbi Joseph Edelheit, Temple Israel in Minneapolis; Dr. V.V. Raman, Physicist and Hindu scholar from Rochester Institute of Technology; Dr. Tamar Rudavsky, Medieval Philosophy and Jewish Studies at Ohio State University, and Dr. Paul Wallur, Muslim scholar from the University of Chicago. We were joined in the discussion also by Dr. Tom Gilbert, Director of the Epic Program at ZCRS; Dr. Robert Goss, Buddhist scholar from Webster University; Dr. Eugene Siegel, Roman Catholic ethicist from the College of Dupage; and Dr. Barbara Strassberg, sociologist from Aurora University. This lively discussion was integrated into the proceedings of the workshop in sessions chaired by Dr. Aasi. The inclusion of voices from multiple religious traditions greatly enhanced the content of the workshop and helped expand the religion-science dialogue.



“The Possibility of a Global Ethic:

The Potential of a Religion-Science Dialogue on HIV/AIDS.”

The Zygon Center for Religion and Science announces a public symposium on “The Possibility of a Global Ethic: The Potential of a Religion-Science Dialogue on HIV/AIDS.” The Symposium is planned for September 29-30, 2001, and will involve a series of public lectures by leading thinkers in the fields of religious studies and the sciences. Participants who have already agreed to come include:

Dr. Gordon Kaufman, Mallinckrodt Professor of Divinity Emeritus of Harvard University and author of *In the Face of Mystery* and *God-Mystery-Diversity: Christian Theology in a Pluralistic World*;

Dr. Norbert Samuelson, Professor of Jewish Studies at Arizona State University and author of *Judaism and the Doctrine of Creation*;

Dr. Gayle Woloschak, Senior Research Scientist in the Center for Mechanistic Biology and Biotechnology of Argonne National Laboratory, Professor of Radiology of the Medical School, Northwestern University and author of over 60 scientific papers;

Dr. Philip Hefner, Professor Emeritus of Systematic Theology at the Lutheran School of Theology at Chicago and author of *The Human Factor*;

Dr. Paul Knitter, Professor of Theology and Science at Xavier University in Cincinnati and author of *Jesus and the Other Names*;

Dr. Solomon H. Katz, Professor of Anthropology at the University of Pennsylvania and editor of *Biological Anthropology* and *African Food Systems in Crisis : Microperspectives*;

Robert Wright, Science Writer, Director of Nonzero.org and author of *The Moral Animal: Evolutionary Psychology and Everyday Life*, *Three Scientists and Their Gods: Looking for Meaning in an Age of Information*, and *Non Zero*;

Dr. Barbara Strassberg, Professor of Sociology at Aurora University, Director of the Annual Science and Religion Lecture Series and author of "Experiencing Violence, Shaping Identity, Negotiating Life";

Sessions of the symposium are open to the public for a registration fee for either Saturday or Sunday or a reduced fee for both days. There will also be a banquet on September 29th where the future of the symposium will be discussed. See the inserted envelope for early registration. For more information contact: Prof. James F. Moore, Symposium Director at ZCRS, <zcrs@lsc.edu>, Phone: 773-256-0670, Fax: 773-256-0682.



Antje Jackelén

comes to LSTC/ZCRS

by Vítor Westhelle

The Rev. Dr. Antje Jackelén accepted the nomination to the faculty of the Lutheran School of Theology at Chicago as Assistant Professor of Systematic Theology with concentration in Science and Religion. She has been called to succeed Professor Philip Hefner who has announced his retirement at the end of the 2000-2001 academic year. Dr. Jackelén is a native of Germany but has lived for over the last two decades in Sweden where she has also served for 20 years as a priest of the Church of Sweden. Author of many articles, often featured in the secular press on issues related to religion and science, she has just published in Sweden a book on time and eternity based on her doctoral research, but written for a broader audience. The original and expanded work will be published this fall in Germany. Dr. Jackelén has been teaching in the area of religion and science at the University of Lund, where she has also done her doctoral work. Her mentor and colleague Professor Werner Jeanrond, describes her as an “excellent teacher and communicator known for her very high professional standards as a teacher and researcher.” She has received similar praise from many people she has been associated with. Dr. Jackelén currently serves as Regional Director for Europe of the CTNS Science and Religion Course Program and was the General Secretary of the European Society for the Study of Science and Theology (ESSSAT).

LSTC’s commitment to the Science and Religion program is, through the recruitment of Dr. Jackelén, ensured continuity and her coming is filled with expectation. She will certainly have an important role to play also at the ZCRS, furthering its continuing relationship to LSTC.

The faculty of LSTC, which unanimously

nominated her to the board, waits for her contribution in the area of theology, knowing that she will bring a unique perspective shaped by one of the most distinguished schools of theology in the 20th century, which in the past has brought us the voices of Nygren, Aulén, Wingren, Frostin, etc.

Dr. Jackelén is married to Heinz Jackelén and has two daughters (Joanna and Andrea). They are expected on campus sometime in August of 2001.

In Her Own Words

by Antje Jackelén

“Long ago, when people used to believe in God, because they didn’t know ...” I remember the nice 14-year-old boy who threw out these words in my confirmation class. He did not mean to be provocative. Neither did he think that what he was saying was contradictory to the idea of his confirmation. He was just expressing the worldview he had been brought up with.

This happened in the beginning of the eighties in a Stockholm suburb where I was serving as a parish pastor. It was one of the events which inspired me to take my own interest in questions of faith and knowledge more seriously. How could it be that a generation of school kids took for granted that faith in God is a by gone stage because where knowledge increases, faith automatically declines? Sweden of the early eighties cherished both technical and so-



cial engineering. Again and again I found myself arguing that there is more to life than the things you can touch, measure, and weigh. This seems long ago nowadays, when I find myself more often arguing that there is more rational knowledge about life than certain forms of spirituality seem to acknowledge.

I received my basic scientific and theological education in Germany where I was brought up. Having studied theology in Bielefeld-Bethel and Tübingen, I came to Uppsala, Sweden, in 1977. Three years later I was ordained in the Church of Sweden. My growing interest in science-and-religion received a decisive push forward in 1987 when I had the possibility to participate in the global consultation “The New Scientific/Technological World: What Difference Does It Make for the Churches?” on Cyprus, organised by the (then) Lutheran Church in America in cooperation with the Lutheran World Federation. Ever since, the triangle relation between faith in knowledge, knowledge of faith and the responsibility of both for the world has fascinated me.

As a systematic theologian, I cannot stop looking for differences and links – between theory and practice as well as between different kinds of knowledge and between science and religion. But thinking of bridges is not enough, we need to try them also and see whether they carry or not. To me dialogue between science and religion is not “art for art’s sake”, but “art for life” in a global community – not a discipline for the ivory tower but something which belongs to the forum of public discussion. Only what can be and what really is communicated to more than those who are directly involved will make a difference in the long run.

My experience in science-and-religion was formed in close connection with the work of ESSSAT, the European Society for the Study of Science and Theology. I have been involved in the preparation of conferences and in editing the newsletter of the society. Since summer 1999 I have been working as regional director for Europe in the Science & Religion Course Program of the Center for Theology and the Natural Sciences (CTNS) in Berkeley. Trying to internationalise and contextualise this originally American program in multilingual and multicultural Europe has been a rewarding task. I

try to combine the good of the Anglo-Saxon – the long tradition of a positive reception of knowledge from nature within a theological framework – with the strength of the continental culture with its focus on distinctions, differences and problems. Every dialogue needs careful interpretive reflection, and the more one talks about integration the more critical thinking seems necessary. Rather than quick harmonising and magnificent syntheses I wish a dialogue that is respectful of similarities and differences and – whenever necessary – enables the partners to live with tensions, preliminary answers and unresolved questions. As long as union with God and the final fulfillment are ahead of us, we will meet lots of such questions, and I look forward to sharing the happiness and the struggle on the way with you.



Antje Jackelén



Students of Religion and Science

Eevastiina Parikka



Eevastiina Parikka

by Sandra Andersen

During the fall quarter of this school year ZCRS had a special visitor. Eevastiina Parikka is a student from Finland who was here for intensive study and research. She is currently attending the University of Helsinki and is in the process of completing a Master's in Theology degree and plans to continue on to the doctorate. She had previously completed a Master's of Education from the same school. She came to us on a special scholarship given by the exchange program of The Evangelical Lutheran Church of Finland and the ELCA in cooperation with LSTC. For her Master's thesis, she researched the many articles in *Zygon: Journal of Religion and Science* that pertain to her theme "A

Dialogue between Neuroscience and Religion in *Zygon: Journal of Religion and Science* in the 1990's." Her supervising professor is Eeva Martikainen, of the theological research group she was involved in at the University of Helsinki.

Eevastiina is originally from the city of Forssa, Finland which is not far from Helsinki. Her family currently lives on the island of Hailuoto. Her father is a pastor in The Evangelical Lutheran Church of Finland in Hailuoto. She comes from a large family with 4 sisters and 2 brothers.

Coming to Chicago to study this topic has always been a dream of hers. Eevastiina hopes to return possibly in 2002 to work on her Doctorate. ZCRS is excited about her research and hopes that interest in the *Zygon: Journal of Religion and Science* will spread worldwide.



Advanced Students in Religion and Science

Betty Birner

Betty Birner is an M.A. student at LSTC. She also has a Ph.D. in Linguistics from Northwestern University, and has just completed her first year as an Assistant Professor in the Department of English at Northern Illinois University, where she teaches Linguistics. Her research focuses on discourse analysis and reference, and she is interested in applying linguistic theory to issues in theology and Biblical studies.

David Glover

David Glover is an M.A. student preparing for diaconal ministry in the ELCA. He worked for eleven years as an environmental and pharmaceutical chemist after obtaining an M.S. in chemistry from Clarkson University. David's current interests are in the area of moral deliberation and in encouraging scientists to enter these deliberations because of the wealth of technical knowledge they possess. He also works part time at ZCRS.

James W. Haag

James Haag is originally from Fremont, Nebraska. He received his B.A. in Religion from Augustana College in Sioux Falls, South Dakota in 1999. James completed work for his M.A. degree at LSTC this spring. In the fall, he will begin his studies in the Th.M. program at LSTC. James hopes to continue his studies at the doctoral level. His aspiration is to focus on Systematic Theology with an emphasis in Religion and Science. His work at LSTC with Philip Hefner has inspired James to give attention to the issues that surround the dialogue between the disciplines of Theology and Science. Ultimately, James seeks to explore this question: How is one to reconcile theological statements about God in a world so vitally influenced by Science? His fiancée, Heidi Tieszen, a recent graduate from Augustana College, will begin working in Chicago this fall.

David Laisum

David Laisum, from Myanmar (formerly Burma), is a Ph.D. candidate at LSTC. He teaches theology at the Myanmar Institute of Theology, his alma mater. He also holds degrees from McCormick Seminary, LSTC, and the University of Chicago. A licensed Baptist minister, he has served in ecumenical activities and student ministry, as well as with leprosy victims and in drug rehabilitation. His dissertation project deals with scientific cosmology in dialogue with traditional Burmese Buddhist cosmology and the implications of the dialogue for religion and society in Myanmar. He lives in Chicago with his wife, Vung Do Pau, an archeologist, and son, Devenish.

Eszter Simon

Eszter Simon received her Master of Arts student at LSTC in June. She came from Hungary and is studying in Chicago through a scholarship. She finished her five year program last year at Eotvos Lorand University of Sciences in Hungary in mathematics and physics. During those years she felt an absence "of some important influence in my life and understanding". As a result of her search, Eszter started to study theology at the Hungarian Lutheran School of Theology, where she is still a student. Eszter is interested in the question of how theology and science can be mutual and complementary in one's life.

Charles F. Smith

Charles F. Smith is a Ph.D. student and a candidate for diaconal ministry at LSTC working in systematic theology/science and theology. He holds a B.S. in zoology from Penn State, an M.A. Ed in secondary education from William and Mary, an M.A. in theology and Th.M. in theology from LSTC, and a Th.M. from Union Theological Seminary in Richmond, VA. He has taught high school biology and chemistry and worked as an education specialist and training developer in the shipyards of Virginia. He is married to Dr. Mary Ann Smith who works at NASA Langley Research Center in Hampton, VA. She conducts research on the spectroscopy of ozone and other gases in the upper atmosphere. They have two children, Cathy (17) and Mike (13). Charles is currently working on his dissertation.

Mladen Turk

Mladen Turk, a pastor in the Lutheran Church of Croatia, is working towards a Ph.D. at LSTC in science and theology with emphasis on evolutionary epistemology and theories of truth. He held the position of secretary of the Association of Lutheran Pastors and Church Workers in Croatia. Turk studied philosophy and ethnology at the University of Zagreb (Croatia) and theology at Matthias Flacius Illyricus Theological faculty, also in Zagreb. Before coming to Chicago, he studied philosophy of religion and theology in Norway, where he received an M.Phil. degree from the University of Bergen. Married to Barbara Turk, also a Ph.D. student at LSTC, they have an eight year old son, Mihovil.



Sandra Andersen, Executive Coordinator at ZCRS



Sandra Andersen joined the ZCRS staff as executive coordinator in August 2000. She and her husband moved to Chicago from Phoenix, Arizona. Sandra is a musician by trade and has a Bachelor of Music in Vocal Performance and a Master of Music in Voice Pedagogy and Vocal Performance. Sandra has performed opera across the country professionally and has taught private voice lessons for 10 years. Her husband Steve is a Master of Divinity student at LSTC. She will be leaving her post at ZCRS in August to facilitate her husband's transfer to Wartburg Theological Seminary in Dubuque, Iowa. Sandra has enjoyed her year working at ZCRS and has met many fascinating people. In Dubuque, Sandra plans to continue her performing and teaching full-time.

Peggy Eldredge, Executive Editor of *Zygon: Journal of Religion and Science*

Peggy has been *Zygon Journal's* executive editor since 1998. She says "Working with Phil Hefner is an enlightening experience all by itself; one always gets more than one expects!" Peggy attended Concordia Junior College, Ann Arbor, Michigan (A.A. 1973) and Concordia Senior College, Fort Wayne, Indiana (B.A. 1975), where she studied primarily Bible, theology, philosophy, and biblical languages. Her interest in religion and science was stimulated when she attended the Epic of Creation course

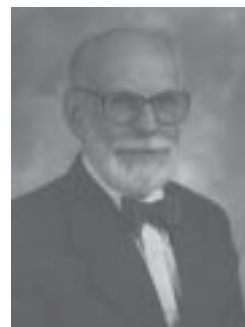


while working on a degree at LSTC in the early 90s (M.A. 1994). She was fascinated by the presentations there. Peggy and her husband, Christopher, have three children: Katie, Liz, and Jack,

who are between the ages of 18 and 21. In addition to her work with *Zygon Journal*, she presently serves as assistant editor of the journal *Currents in Theology and Mission*, does freelance editing and designing of books and other publications, and is a regular substitute teacher at her local Chicago public high school. She is an active member of Ashburn Evangelical Lutheran Church in Chicago.

Thomas L. Gilbert, Director of Epic of Creation Program

Thomas Gilbert graduated from Caltech with a B.S. in 1944, and left California for a job in Chicago where he met his wife, Winifred (Wini). After graduating with his Ph. D. in physics, Tom joined the research staff of Argonne National Laboratory where he remained until retirement as a Senior Physicist at the end of 1987. His research at Argonne was on the electronic structure of atoms, molecules, and defects in solids, and assessment of the environmental risks of radioactive residues and waste. His work on risk assessment led to an interest in the interplay between policy matters and technical matters, which



raised interesting questions regarding the relation between public values and scientific knowledge. In 1987 an opportunity opened up to join the Chicago Center for Religion and Science (CCRS) (now the *Zygon Center for Religion and Science*) and do research and teaching in the field of religion and science. CCRS opened its doors on January 4, 1988, with Phil Hefner as Director and Tom Gilbert as Associate Director (Director of the Epic Program from 1996 on). Tom was also appointed Adjunct Professor of Religion and Science Studies at LSTC, a position best described as "resident scientist". His primary activity during the past 13 1/2 years has been organizing and coordinating a credit course and popular public lecture series entitled "The Epic of Creation: Scientific, Biblical, and Theological Perspectives on Our Origins." Tom and his wife have three children and eight grandchildren.



James F. Moore, Symposium Director, at ZCRS

James Moore is Professor of Theology at Valparaiso University, Valparaiso, Indiana. He is author of *Sexuality and Marriage* (Augsburg Publishing House, 1987) and

Christian Theology After the Shoah: a Re-interpretation of the Passion Narratives (University Press of America, 1993) as well as numerous articles on Jewish Studies, on Christian theology and the Holocaust, and on science and religion. He is on the editorial board of the Studies in the Shoah series of the University Press of America and is an educational consultant to the Philadelphia Center for the Holocaust, Genocide and Human Rights. His essay, "Cosmology and Theology: The Re-Emergence of Patriarchy," in *Zygon*, December 1995, won the 1996 Templeton award for best essay in theology and science.



Paul Ulbrich, Visiting Scholar at ZCRS

Paul Ulbrich became interested in the *Zygon* Center when Tom Gilbert put on his first "Epic of Creation" Course. Since then, Paul has been to Epic every year and

most of the Advanced Seminars. Paul was trained as an Osteopathic Physician, but went into both DO and MD emergency medicine groups. He practiced emergency medicine on the south side of Chicago most of his life in many different roles, teaching positions for medical students and emergency residents. Retired since 1999, Paul is pursuing a wide variety of interests. American Academy of Religion, Synesthesia: World Parliament of Religions South Africa, MidWestern Univer-

sity Medical School for Department of Psychiatry are just a few of the groups with which he is associated.

Debra Hostetler Van Der Molen, Assistant Editor of *Zygon: Journal of Religion and Science*

Deb has been working as Assistant Editor of *Zygon: Journal of Religion and Science* for the past two years. Before that she earned a Master's degree in journalism from Indiana University in Bloomington and worked as a writer for her alma mater Goshen College and several medical associations in Chicago. She and her husband Richard have two children, Andy, age 12, and Maggie, age 10. They attend LaSalle Street Church, where her husband, who is from a Christian Reformed background, and Deb, with her Mennonite heritage, both feel at home. Their children attend Grace Lutheran School in River Forest. She found



the good people at ZCRS about 7 years ago as a part of a personal search that had its roots in a major health crisis. She first came to the Epic of Creation lectures and was energized and excited by the presentations. Deb audited several classes, took a few for credit, got to know the people who worked in the *Zygon* Journal/ZCRS office, and was in the right place at the right time when a position became available. She appreciates the opportunity to work part time while her children are at home and as she continues to learn about a field of study that interests her very much. Her goal is to be able to write about these ideas for the general public, not necessarily as an original thinker, but as a sort of "translator".

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Philip Hefner *Festschrift*

by Sandra Andersen



Kadi Billman and the surprised Hefner.

Given his extensive publishing record, his significant public contributions, his length of tenure at the seminary, and the long reach of his influence here, his absence represents the end of an era for us," remarked his New Testament colleague, David Rhoads. Philip Hefner was honored and his work celebrated at an event held on June 7, 2001. It is in this year that he retires from his position at LSTC as a Professor of Systematic Theology. Much to his surprise and delight, some of his colleagues, students, and friends had been planning for years such an event, which would be marked by the presentation of a *Festschrift* honoring him.

These plans materialized in a special double issue (300 pages long) of *Currents in Theology and Mission* entitled "Philip Hefner: Created Co-Creator." It includes the work of 34 contributors (one for each year that Phil taught at LSTC) from all over the world, all responding to or relating to Philip Hefner's distinguished contributions to theology in the modern world. The articles are divided into five areas that represent main foci of Hefner's own intellectual pursuit: Science and Religion, Theology and Nature, Theology and Culture, Religion and Existence and Promises and Ambiguities. It also includes a bibliography of Phil's publications spanning from 1957-2001.

The project was spearheaded by Vítor Westhelle, Professor of Systematic Theology, and Ralph Klein, editor of *Currents* with special help

from Peggy Eldredge, assistant editor of *Currents*. After the presentation of the *Festschrift*, many guests (former students, old friends, and current as well as former colleagues) took the podium to tell and remind all what a difference Phil and his ministry had made and the gifts he brought to their lives and to the community.

Vítor Westhelle concluded the presentation of the book with a poem written by the young Hegel exactly two centuries ago in 1801: "Strive/ try more/ than the day and the yesterday!/ so you will be no better than your time/ but your time at its best." And Westhelle (himself both a colleague and a former student) added: "For me this rings true of the life and times of Philip Hefner whose work and accomplishments we now celebrate. For all that he strove for in going beyond the past and the present, he was not better than his time (and never pretended to be), but he is his time at its best."



Vítor Westhelle



Philip Hefner and Vítor Westhelle



The June 2001 ZYGON

Zygon Spells "Engagement"

By Philip Hefner

Zygon: Journal of Religion and Science is now at the half-way point in its thirty-sixth year of publication. Much has changed since Ralph Wendell Burhoe and his colleagues started on this venture in 1965. The move into electronic access is one of the most striking innovations in recent years. In 2001, 178 universities and other institutions in Korea initiated electronic entrée to our text, as well as 22 state-funded universities in California. Beginning in 2002, *Zygon*, will be available in all 64 Canadian universities, in 16 universities and colleges in Norway, and in 15 universities and in 55 colleges and community colleges in Ohio. All of these arrangements have been instituted by national and state governmental agencies, contracting with our publishing agent, Blackwell Publishers. It seems not too much to imagine that in a few years every state-supported university and college in the United States will receive the journal electronically, in addition to the university systems of many other nations around the world. The *Zygon* "college-without-walls," as the founders envisioned it, is becoming an international community.

Our basic purpose has remained the same in these thirty five years. Beginning with the premise that religion and science are two fundamental driving forces of contemporary life, we believe that human welfare is served by and requires interaction between them, indeed "yoking," as we embody in our name, "zygon." The articles in the current June issue emphasize that the yoking of science and religion builds on engagement. The first section includes three articles that engage Huston Smith's recent book, *Why Religion Matters*. Smith is recognized as one of the foremost scholars of religion in the world today, and he has communicated his understanding of religion widely in articles, books, PBS television series, videos, and public speaking. In this book, he intensifies ideas that he has expressed in public frequently: that science is a negative force

in our world and that efforts like *Zygon* are in fact reinforcing the foe of religion and values. In their responses to Smith in this issue, two scientists, Ian Barbour and Ursula Goodenough, and a religious studies scholar, Gregory Peterson, express their deep appreciation for Smith's lifetime of work, but also advance sharp critique of his argument and its pre-suppositions. Huston Smith responds to these critics with vigorous arguments that challenge much of what ZCRS readers will accept as basic biological truth, and he insists on the need to maintain the integrity of traditional religion.

The second section, "Engaging E. O. Wilson," flows directly from the engagement with Huston Smith, since Wilson approaches religion-and-science quite differently than Smith. In a dialogue organized in February 2000 by the American Association for the Advancement of Science, Stephen Pope and Philip Hefner engaged Wilson's view of ethics and religion, respectively, and leveled a direct critique. In the discussion with Wilson that followed, and which accompanies the articles by Pope and Hefner, Wilson reveals just how far he is willing to go in this engagement. His informal and extemporaneous clarifications of his own understanding of moral discourse and spirituality stand as classic statements of his thinking.

Paul Tillich (1886-1965) was one of the towering theologians of the twentieth century, who interpreted both religion and science in a complex, subtle, and provocative manner. In June 1999, a millennial symposium was organized at New Harmony, Indiana, where Tillich's ashes are buried. Eight papers from this symposium are published in our third section, "Engaging Paul Tillich's Thinking on Religion and Science." Readers who are already familiar with Tillich will find a rich set of probes here, which can lead to a new level of understanding the theologian. For those who do not know Tillich, these papers not only illumine his thinking about religion and science, they also serve as a primer for some of Tillich's most important and characteristic ideas. So far as we know, this is the first such collection of articles that focus on Tillich's importance for understanding the engagement of religion and science.

Yoking is the intention, engagement is the medium. Readers will encounter both of these in the current issue of the journal.



Zygon Journal Information

If you would like to receive a copy of this issue of Zygon, or subscribe to the journal, please contact: Journals Fulfillment Manager, Blackwell Publishers, 350 Malden Street, Malden, MA 02148. Telephone: 1-800-835-6770. E-mail: <subscrip@blackwellpub.com>.



Deb Van Der Molen and Karl Peters share a laugh at a Zygon Journal meeting.

NOTE:

As of August 15, 2001, Marcy Gaston becomes ZCRS executive coordinator.

ZCRS welcomes inquiries.

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Dr. Philip Hefner is director of the Center,

Mrs. Sandra Andersen is executive coordinator of ZCRS and editor of

ZCRS Reports,

Dr. Thomas Gilbert is director of the Epic of Creation Program and LSTC Adjunct Faculty



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