
June 25–27, 2008

R. David Thomas Executive Conference Center
Duke Fuqua School of Business
Durham, North Carolina

Sponsored by the Duke University School of Medicine
The annual meeting is designed to bring together transdisciplinary scholars and interested physicians, clergy, chaplains, nurses and lay persons from the United States and other parts of the world to present and discuss the latest research in spirituality, theology, and health. The keynote and plenary speakers represent a variety of specialties through which researchers are asking the questions and doing the research needed to advance the field. This first meeting seeks to promote thought and research about how to operationalize and measure concepts such as spirituality, health, and human flourishing as well as to evaluate the implications of past and current research for the future. The meeting will allow participants in the Society to become acquainted with one another, to share ideas, and to further the development of the field. The meeting will also allow junior scholars an opportunity to network with each other as well as to present their research and discuss it with senior scholars.

Learning Objectives
At the conclusion of this activity, participants should be able to:

- Better understand religion/spirituality and human flourishing
- Identify or develop methods of measuring spirituality, religion, health, and human flourishing
- Examine individual and community health effects of participation in a religious/spiritual community

Unapproved Use Disclosure
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Credit Designation Continuing Education Units (CEU)
Duke University Health System Education Services Department is authorized by IACET to offer 1.4 CEU to participants who meet all criteria for successful completion of the program. (*Please note that partial credit is not awarded).

CEU Credit
Duke University Health System Education Services Department of has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In obtaining this approval, Duke University Health System Education Services Department has demonstrated that it complies with the ANSI/IACET Standards which are widely recognized as standards of good practice internationally. As a result of their Authorized Provider membership status, Duke University Health System Education Services Department is authorized to offer IACET CEU’s for its programs that qualify under the ANSI/IACET Standards.
Faculty Disclosure

The following speakers and/or planning committee members have indicated they have no relationship(s) with industry to disclose relative to the content of this CME activity:

Catherine Craver, B.A., M.Ed.  Keith G. Meador, M.D.
Ellen Idler, Ph.D.  Kenneth I. Pargament, Ph.D.
Harold G. Koenig, M.D.  John Swinton, Ph.D.
Jeff Levin, Ph.D., M.P.H.

The following speakers and/or planning committee members have indicated that they have relationship(s) with industry to disclose:

William Roper, M.D., M.P.H. has indicated that he is a Board Member for DaVita Inc. and Medco Health Solutions Inc.
Schedule of Events

Wednesday June 25

6:00PM–7:00PM  Reception

7:00PM–7:30PM  Welcome and Introduction:
Keith Meador, M.D., Th.M., M.P.H.
Harold Koenig, M.D., M.H.Sc.

7:30PM–8:00PM  Opening Remarks: John Templeton, M.D.

8:00PM–9:30PM  Keynote: William Roper, M.D., M.P.H.
“Spirituality, Theology and Health:
Challenges and Possibilities”

9:30PM  Closing Remarks

Thursday June 26

8:30AM–10:00AM  Plenary: Kenneth Pargament, Ph.D.
“Religious Struggles:
A Fork in the Road to Growth or Decline”

10:00AM–11:00AM  Poster Session

11:00AM–12:30PM  Plenary: Ellen Idler, Ph.D.
“Religion and Health in Aging Societies:
Reaping What is Sown”

12:30PM–2:00PM  Lunch, posters still available for viewing

2:00PM–2:50PM  Paper Sessions

3:00PM–3:50PM  Paper Sessions

4:00PM–4:50PM  Paper Sessions

Friday June 27

8:30AM–10:00AM  Plenary: John Swinton, Ph.D.
“Spirituality and Health:
The Role of Practical Theology”

10:15AM–11:45AM  Plenary: Jeff Levin, Ph.D., M.P.H.
“Human Flourishing:
An Epidemiologist’s Perspective”

11:45AM–12:30PM  Conclusion of Conference:
Keith Meador, M.D., Th.M., M.P.H.
Harold Koenig, M.D., M.H.Sc.

12:30PM  Lunch

There will be opportunities for questions and answers at the end of the
Keynote Address and at the end of each Plenary and Paper session.

Activity Medical Co-Directors:
OPENING REMARKS

Wednesday, June 25  7:30 PM

John M. Templeton, Jr., MD serves as President of the John Templeton Foundation, directing all Foundation activities in pursuit of its mission to encourage progress in scientific and religious knowledge and the enhancement of character development and free enterprise. He works closely with the Foundation’s staff and international board of advisors of more than 50 leading scholars, scientists, researchers and theologians to develop substantive programs in this endeavor. Dr. Templeton has been actively involved in the Foundation since its inception in 1987. In 1995, he retired from his medical practice to serve full-time as president of the Foundation. His more than 25-year career as a physician and long-held spiritual beliefs provide both the formal science training and the commitment to advance the Foundation’s work.

KEYNOTE ADDRESS

Wednesday, June 25  8:00 PM

“Spirituality, Theology and Health: Challenges and Possibilities”

William Roper, MD MPH, Professor of Health Policy and Administration and Professor of Pediatrics, is the Chief Executive Officer of the UNC Health Care System and the Dean of the School of Medicine. Near the beginning of his career, Dr. Roper held several key positions in Washington, D.C., including administrator of the Health Care Financing Administration. From there he went on to lead the National Centers for Disease Control and Prevention. Formerly the Dean of the School of Public Health, Dr. Roper has been at UNC since 1997. He is broadly published and acknowledged for leadership in American Medicine having received numerous distinguished service awards from the U.S. Public Health Service, the Association for Health Services Research, the National Association of Health Data Organizations, Emory University, and the University of Alabama.

PLENARIES

Thursday, June 26  8:30 AM

“Religious Struggles: A Fork in the Road to Growth or Decline”

Kenneth I. Pargament, PhD is a Professor of Psychology at Bowling Green State University. He received his B.A. in Psychology and his Ph.D. in Clinical-Community Psychology from the University of Maryland. Dr. Pargament has been a leading figure in the effort to bring a more balanced view of religious life to the attention of social scientists and health professionals. Dr. Pargament has published extensively on the vital role of religion in coping with stress and trauma. He is author of The Psychology of Religion and Coping: Theory, Research, Practice and co-editor of Forgiveness: Theory, Research, Practice. He is also author of the recently published book, Spiritually Integrated Psychotherapy: Understanding and Addressing the Sacred.
Thursday, June 26  11:00 AM

“Religion and Health in Aging Societies: Reaping What is Sown”

Ellen L. Idler, PhD is Professor in the Department of Sociology and the Institute for Health Policy Research, as well as Acting Dean of Social and Behavioral Sciences at Rutgers University. She earned her B.A. in Sociology from the College of Wooster and her M.Phil. and Ph.D. in Sociology from Yale University. Her current research deals with decision-making and quality of life at the end of life, and her previous research has included topics such as religion and spirituality in cardiac patients, religion and aging, perceived health, and geriatric depression. Dr. Idler has contributed various articles to journals such as *Psychosomatic Medicine* and *Health Psychology*. Her books are *Cohesiveness and Coherence: Religion and the Health of the Elderly* and *The Hidden Health Care System: Mediating Structures and Medicine*.

Friday, June 27  10:15 AM

“Human Flourishing: An Epidemiologist’s Perspective”

Jeff Levin, PhD, MPH is an author, epidemiologist, and religious scholar. He received an A.B. from Duke University, an M.P.H. from the University of North Carolina School of Public Health, and a Ph.D. in Preventive Medicine and Community Health from the Graduate School of Biomedical Sciences at the University of Texas Medical Branch. He lectures nationally and internationally on methodological, theological, clinical, and historical dimensions of the relationship between religion and health. Dr. Levin’s recent publications include *Faith, Medicine, and Science; Religion in the Lives of African Americans; God, Faith, and Health; Essentials of Complementary and Alternative Medicine; and Religion in Aging and Health*. 

Friday, June 27  8:30 AM

“Spirituality and Health: The Role of Practical Theology”

John Swinton, PhD, Professor and Chair in Practical Theology and Pastoral Care and Professor of Nursing at the University of Aberdeen, Scotland, United Kingdom, has worked as a registered mental nurse and a community mental health chaplain and is an ordained minister of the Church of Scotland. He received his B.D. and Ph.D. from Aberdeen. Dr. Swinton’s interests include the relationship between spirituality and health and the theology and spirituality of disability. His recent publications include *Theology, Disability and the New Genetics: Why Science Needs the Church; Raging with Compassion: Pastoral responses to the problem of evil; Spirituality in Mental Health Care: Rediscovering a “Forgotten Dimension”; and Resurrecting the Person: Friendship and the Care of People with Mental Health Problems*. In 2004 Dr. Swinton founded the Centre for Spirituality, Health and Disability at the University of Aberdeen. (www.abdn.ac.uk/cshad)
Paper Sessions

Paper sessions will be held at 2:00, 3:00 and 4:00 in the afternoon on Thursday, June 26 in the Duke Fuqua School of Business. There will be paper sessions in six rooms (A, B, C, E, F, RJR Auditorium) at each time, and two presentations will take place within the hour. Each paper presentation will be 20 minutes in length. At the end of both presentations, there will be a time for discussion and questions. Titles, authors, abstracts, times, and rooms are listed below.

**ROOM A**

**2:00 – 2:50 PM**

“*St. Ignatius on the Psychiatric Ward: Spiritual Practices for a Multicultural Setting*”

Elizabeth Stanhope Gordon, JD, MDiv
PhD Student
Graduate Theological Union

This presentation offers Ignatian spirituality as a useful tool of spiritual discernment for staff and psychiatric patients as well as an interpretive framework for understanding religiosity as something other than pathology in the context of a secular psychiatric ward. Expressions of religious or spiritual experience among psychiatric patients range from despair to prayer, voices, and visions. They reflect the pluralism that exists in our multicultural society and often the need or desire by a patient for spiritual care. The usefulness of this approach to religiosity is highlighted by both cultural and philosophical considerations and illustrated by case studies.

“*Evidence-based Spiritual Care Best Practices*”

Rev. John J. Gleason, DMin
A.C.P.E. Supervisor Emeritus, Greenwood, Indiana

This Association for Clinical Pastoral Education, Inc.-sanctioned project employs an innovative inductive design. Clinical Pastoral Education (CPE) students’ Ideal Intervention Papers (IIPs) consolidate learnings from verbatim presentations. Certified spiritual care clinicians representing six North American professional spiritual care associations edit the papers into potential best practices (PBPs), and their colleagues access a PBP database by central issue identifiers to inform their own interventions. Care recipients rate effectiveness. Effective interventions are designated tentative best practices (TBPs). Successful replication of TBPs determines evidence-based spiritual care best practices (SCBPs).

**3:00 – 3:50 PM**

“The Use of Prayer in Clinical Practice: Implications for Professional Practice and Education”

Michael J. Sheridan, PhD, MSW
Visiting Scholar and Director of Research, Center for Spirituality and Social Work National Catholic School of Social Service, The Catholic University of America

Although research on spirituality and clinical practice has increased in recent years, there has been little investigation concerning what clinicians actually do with their clients in terms of spiritually-based interventions. The current study investigated prayer-related activities among a random sample of Licensed Clinical Social Workers in Virginia. Results showed that the majority of respondents did not follow suggested ethical guidelines, in terms of their personal comfort with such practice behaviors and views regarding their ethical use. Implications of study findings for education and training of mental health practitioners relative to the ethical use of spiritually-oriented helping activities will be presented.

“A Randomized Clinical Intervention Study of the Effects of Prayer on Subjects with Depression and Anxiety”

Peter A. Boelens, MD, MPH
Chairman, Christian Economic Corporation
Clinical Assistant Professor University of Mississippi
Co-author: Roy R. Reeves, DO, PhD

Purpose of the study: This paper was designed to delineate the effect of a unique and widely unprac-
ticed Christian prayer on depression and anxiety. It also measures the optimism and daily spirituality of those clients receiving these prayers. Results: There was a dramatic alleviation of depression and anxiety among clients in this study. This improvement has held for the one month evaluation with one year follow-up in progress.

Conclusion: With recent advances in neuroscience, we can now postulate how these prayers affect changes in the brain and in the future evaluate these changes through PET and fMRI. There is also a practice setting for these prayers in medical centers with integrated-care programs.

4:00 – 4:50 PM
“Contemplative Religious Practice and Medicine’s Missing Dimension”
Ken Wilson, MD
Professor of Medicine, Division of Infectious Diseases, Duke University

Though effective, science-based medicine is materialistic and less than complete because it does not adequately honor our experience beyond words and concepts. Nor does it address our place in the cosmos. Yet for most of the 100,000 years of human existence, experience beyond discursive mind was at the core of the healing arts. By practicing a contemplative tradition, a healer can explore the limitations of both conceptual knowledge and the fabricated self, and meet the patient in a more spacious context that is compatible with science and most cultural milieus. We can recapture the ancient essence of being a healer.

“Buddhists’ Health and Religious Practices”
Bill Wüst, DHSc, MPH
Professor, Department of Health Sciences Northern Arizona University

Co-authors: Bruce Sullivan, PhD; Heidi Wayment, PhD; Meghan Warren, PhD

A Web-based survey was conducted of Buddhist practitioners’ religious practices and beliefs, health history and practices, social support, community service, psychological characteristics and demographic characteristics. Eight-hundred eighty-six Buddhists participated, of whom 82% resided in the U.S. and had practiced Buddhism an average of 12 years. Sixty-eight percent rated their health as excellent/very good; 85% were nonsmokers, 50% had followed a vegetarian diet for the past year; 37% had a depressive disorder; 61% had engaged in vigorous leisure time physical activity in the past 30 days. The results of analysis of association between Buddhist practices and health practices will be presented.
Orleans recover from the impact of Katrina.

3:00 – 3:50 PM
“Implementation of The American Heart Association’s Search Your Heart Curriculum”

Suparna Bagchi, MSPH
Graduate Research Assistant
Doctoral Student — UAB School of Public Health
Co-author: Shauntice Allen, MA

Historically, African-American churches have served in advocating, encouraging, and enabling actions for advancement in the community. Search Your Heart delivers knowledge and action steps to encourage people to reduce their risk for heart disease and stroke. Six congregations in Birmingham, AL participated in this best practice program (August 2006 - May 2007). A pre/post evaluation utilizing mixed-method approaches was conducted.

A total of 902 participants completed the evaluations (574 pre and 328 post surveys). Existing social support systems in churches provide a natural foundation for conducting the Search Your Heart Program to aid in reducing stroke risk amongst African-Americans underserved populations.

“Spiritual Issues that May impact the Well Being of Health Care Providers”

Patrick J. O’Conner, MD, MPH
Abstract not available at printing.

4:00 – 4:50 PM
“An Analysis of Spiritual Expression and Spiritual Care among Geriatric Nurses”

Anne E. Belcher, PhD, RN, AOCN, CNE, FANE, FAAN
Senior Associate Dean for Academic Affairs
The Johns Hopkins University School of Nursing

Margaret Griffiths, MSN, RN
Assistant Dean for Curricular Affairs
University of Pennsylvania School of Nursing

The purpose of this study was to determine the extent to which geriatric nurses express their spirituality and integrate spiritual care into their practice. The research design for this study utilized a qualitative approach. Nurses practicing in geriatric settings completed a questionnaire that elicited spiritual practices and the application of their spirituality to patient care. Data were analyzed using a content analysis method to measure the frequency, order and/or intensity of responses. This presentation will focus on identified themes and their impact on quality of care for elders.

“Measuring Clinically Relevant Differences in Physicians’ Religious and Spiritual Characteristics”

Kenneth A. Rasinski, PhD
Research Associate
Department of Medicine,
The University of Chicago
Co-author: Farr A. Curlin, MD

Studies show that physicians’ religious characteristics influence their clinical judgments. Yet, little is known about which measures of religion and spirituality are most useful for capturing religion-associated variations. We report findings from a national survey of physicians. Using various scaling techniques we explore the structure of physicians’ religious and spiritual beliefs across and within religious groups, and examine them relation to clinical decisions. Suggestions are presented for which measures to use, and in what fashion, in order to most efficiently capture religion-associated variations in physicians’ clinical practices in future studies.

ROOM C

2:00 – 2:50 PM
“Enhanced Spiritual Transformation in Cancer Patients Following Intervention with Peer Patient Narratives”

J. Patrick Daugherty MD, DMin, PhD
Director, Northwest Alabama Cancer Center,
Florence, AL 35630

Spiritual intervention information was developed based on peer patient narratives and presented in video format (approximately five minutes) for six consecutive weeks to newly diagnosed cancer patients undergoing chemotherapy. Patients exposed to spiritually oriented narratives scored higher on the spiritual growth portion of the Spiritual Transformation Scale (STS) than did those patients exposed to factually oriented narratives. However,
there was no difference in the spiritual decline score of the STS. The study is the first prospective study to demonstrate spiritual growth using interventional material written by patients having experienced similar life-threatening disease.

“Utilization of Religion and Spirituality by African American Cancer Patients in Coping with their Illness”
Lee S. Caplan, MD, MPH, PhD
Abstract not available at printing.

3:00 – 3:50 PM

“Stress and Religious Coping Among People Living with HIV/AIDS”
Safiya George Dalmida, PhD APRN-BC
Visiting Scholar/Assistant Professor
Emory University
Nell Hodgson Woodruff School of Nursing
Department of Family and Community Nursing

People living with HIV/AIDS rely on a number of means to cope with the stressors associated with being HIV-positive, including spirituality/religiosity. The purpose of this study is to examine interconnections between religious coping (RCOPE), depression, perceived stress, CD4 count, social support, and health-related quality of life (HRQOL) among HIV+ persons. A cross-sectional study was conducted among 292 HIV+ outpatients. Correlations and hierarchical regression statistics were used. There were significant inverse associations between depression and immune status, positive RCOPE and stress and positive RCOPE and depression, mediated by social support. RCOPE and depression were significant predictors of HRQOL. Positive religious coping is associated with less stress and depression, and better HRQOL among HIV+ outpatients.

“Paradigm Shift towards Positive Health & Healthspan Outcomes in Orthopedic Events for Ageing Diverse Populations”
Christine Grant, PhD
Chemical and Biomolecular Engineering
North Carolina State University

This project’s goal of increasing successful orthopedic outcomes for culturally diverse patients uses: (i) a health navigator interface w/patients and the medical system negotiating primary care and medical issues, (ii) the intersection of young future doctors with an ageing population in faith based communities highlighting the importance of their presence in the profession and (iii) improved understanding and application of the important role that faith has in an ageing patient’s rehabilitation and interaction with medical professionals. A multidisciplinary approach, orthopaedic clinicians, spirituality experts, medicine, biomedical, public health researchers and elderly patient wellness program experts will culminate in a national invited summit.

4:00 – 4:50 PM

“Religious/Spiritual Coping by Parents of Adolescents with Sickle Cell Disease: A Pilot Study”
Daniel H. Grossoehme, DMin, BCC
Research Assistant Professor,
Department of Pediatrics
University of Cincinnati College of Medicine

Parents use personal support systems (outside of those provided by the healthcare team) to cope with a child’s chronic illness, with Religion/spirituality receiving little attention. This study describes levels of religiosity, spirituality, and religious coping in a sample of 26 parents of adolescents with SCD. Mean spirituality and religious coping scores were generally high. Positive religious coping was endorsed more often than negative strategies, although they persisted in up to 42% of the cases. Future studies utilizing mixed-method longitudinal designs, larger samples, and other illness groups are needed.

“Depression in College: How Does Religiosity Help?”
Devon Berry, BSN, MSN, PhD, RNC
Assistant Professor, College of Nursing
University of Cincinnati

College students represent a significant number of those who suffer from depression each year, placing them at risk for suicide and future depression. The purpose of this paper is to present the preliminary findings of an ongoing prospective study designed to test the protective effects of religiosity on a cognitive vulnerability model of depression in college students. Our longitudinal study uses web-based technology to survey college students’ monthly levels of depression, stress, cognitive style, and multidimensional religiosity (N=214). This study will help
to identify the mechanism explaining the protective effect of religiosity on the stress-depression relationship.

**ROOM E**

**2:00 – 2:50 PM**

“The contemporary study of faith, health, and medicine: Negation and affirmation via a historical perspective”

Amy L. Ai, PhD
Associate Professor
University of Washington
Co-author: Ardelt, Monika, PhD

This presentation addresses the function of spirituality-health research. No aspect can be reduced to another, but investigating the interplay among them is essential to understanding human conditions investigated. We also propose the following remedies: (1) be open to multifaceted, positive, null, and negative effects of influential faith factors on health, (2) understand the deeper historical and contemporary meanings of findings, (3) develop culturally sensitive faith measures, demonstrate their psychometric properties, and use factor analysis to verify their usages in different faith traditions, and (4) use an interdisciplinary approach with sound research design to reveal the true faith effect in medicine.

“What happens next? Towards a narrative paradigm of a faith profession in adults and an empirical study of religious outcomes”

Mrs. Caroline Shepherd, MA
PhD Student
Heythrop College University of London, UK

This paper examines faith via a performative and social construction view of language. The approach assumes that in talk, an individual constructs a narrative plot, where events from their experience are interpreted into narrative events that either fit into or are rejected from a personal faith narrative. The ethnomethodological analyses of faith conversations are presented revealing the narrative construction process. Specific notions are: Intonation of voice to create and nuance meaning; the ability to construct multiple stories (behavioural aporia); narrative as a social skill; and narrative itself a behavioural ‘leitmotif’. Empirical examples of speech acts are also offered.

**3:00 – 3:50 PM**

“Spiritual Care Through the Prisms of Mental Illness and Process Theology”

Craig Rennebohm, DMin
Chaplain, Mental Health Chaplaincy, Seattle, WA

In this presentation, spiritual care is explored in the context of an outreach ministry with homeless, mentally ill individuals on the streets of Seattle. Working definitions of “spirit, faith, soul and religion,” are offered. The basic theory and practices of Relational Spiritual Care are described, along with three related research projects, leading to a brief concluding thought on the intersection of science, faith and medicine.

“Deep Theology: A Reflection on Suffering Informed by Contemporary Science”

Jame Schaefer, PhD
(Systematic Theology/Ethics)
Marquette University

Theologians’ efforts to reflect on God’s activity in relation to the world informed by contemporary scientific findings can be brought constructively into the realm of health care with the aim of advancing positive coping of faith-filled patients and caregivers who are suffering due to illness and death. Criteria for constructing models of the God-world relationship are identified, some helpful models are explored, and the benefits of adopting them are explained. Other models of God in relation to the world that may be harmful to coping are also identified and explanations given for avoiding these models.

**4:00 – 4:50 PM**

“Making Sense of Sadness: Depression, Theology, and Pastoral Care in the Prozac Age”

Aaron Klink, MAR, MDiv
Chaplain Resident, Veterans Administration Medical Center, Durham, NC
Westbrook Fellow, Institute on Care at the End of Life, Duke University

Anti-depressant use is skyrocketing in America. Research on the biological causes of depression
is conflict, and some have called for a return to methods of social psychiatry that see this epidemic as the result of social conditions.

How should Christians and Christian communities make sense of this pattern?

Some believe that one can “pray” one’s way through depression, while others are quite comfortable seeing depression as a disease requiring medication, and (maybe) therapy. This takes into account both medical and therapeutic approaches looking at the resources Christian theology and Christian community offer those who struggle with depression in its midst.

“Spirituality and Practices of Caring: Unique Aspects of Pastoral Care”
Rev. Dianne Bertolino, MDiv, ThM, PhD
Head of Department Chaplaincy & Spiritual Services
Sir Charles Gairdner Hospital, QEII Medical Centre
Perth, Western Australia

Chaplains, like other Allied Health Professionals, support, facilitate, counsel, and liaise with patients, family members and staff. In pastoral care our task is to create an environment where the spiritual journey, healing or grieving can occur.

Introducing Pastoral Care in healthcare contexts may mean needing to help staff understand our preparation for the task: how we are qualified and when to call a chaplain. I highlight 10 things that are unique to Pastoral Care. These have emerged for me and taken shape over 30 years of ministry, supervision both in and out of CPE, teaching pastoral theology, and spiritual formation.

ROOM F
2:00 – 2:50 PM

“Jewish Perspectives on Health, Healing and Wholeness”
Michele F. Prince, LCSW, MAJCS
Director, Kalsman Institute on Judaism and Health
Hebrew Union College — Jewish Institute of Religion

Gila S. Silverman, MPH
PhD Student, Medical Anthropology
University of Arizona

This session will provide an introduction to Jewish perspectives on health, illness and healing. We will explore the role of the community in Jewish life, Jewish perspectives on the link between mind, body and spirit, and mitzvot (commandments) that relate to health and healing. We will then explore the wide variety of synagogue and communal programming that interprets Jewish practices, values, beliefs, and rituals to illuminate how Jewish life may influence health and quality of life. These include Jewish Healing Centers, congregational Caring /bikkur cholim (friendly visiting) committees, chaplaincy, congregational nursing, and initiatives on bioethics, health care policy and physician education.

“The Contribution of an Ideological vs. Instrumental Motherhood Orientation to the Psychological Functioning of Religious Jewish Mothers of Large Families”
Aryeh Lazar, PhD
Senior Lecturer and Coordinator of I/O Psychology
Department of Behavioral Sciences
Ariel University Center of Samaria, Ariel, Israel

This investigation examined the contribution of an ideological verses instrumental orientation to motherhood to the psychological functioning of religious mothers of large families. Eighty religious Jewish women residing in Israel, mothers of between 6 to 12 children, participated in this study. After controlling for both social support and for religious support, hierarchical regression analysis revealed that an ideological orientation to motherhood positively contributed to psychological functioning as measured by depression, anxiety, life satisfaction and perceived health whereas an instrumental orientation to motherhood was found to have a negative contribution to psychological functioning.

3:00 – 3:50 PM

“Developing a Practical Theology of Health and Wellness.”
Rabbi Richard F. Address
Director, Department of Jewish Family Concerns
Union for Reform Judaism
Adjunct Professor
Hebrew Union College — Jewish Institute of Religion

The Reform Jewish Movement has developed “Sacred Aging”; a program to support how congre-
Paper Sessions continued

gations can respond to the longevity revolution. Central to this is a theological foundation based on sacred relationships that translates into a community of caring, personal growth and health. This presentation will explore several values that can inform how a community can support healthy and sacred aging; as well as examining a variety of programs that have been developed which reflect the theological foundation.

“The Use of Alternative Therapies to Lower Blood Pressure in Older African Americans”

Susan J. Schumacher, PhD
Associate Professor of Psychology
North Carolina A & T State University

Cardiovascular (CVD) disease is the leading cause of death in America, especially for African Americans, who have higher blood pressures (BPs) than Whites. This project compared short-term and long-term success rates of three non-traditional treatments for hypertension: Biofeedback (BF), Qigong for the Elderly (QGE), and a combination of Meditation-Prayer-Relaxation (MPR) in older African Americans (50+) on BP and HR collected before and after 20 treatments, and after 3 mo. follow-up. QGE was most effective, decreasing average systolic and diastolic pressures by 22 mmHg and 18 mmHg, respectively, which were maintained at follow-up. MPR and BF produced similar but smaller differences.

RJR AUDITORIUM

“Health and Human Flourishing Among Clergy”

Mary Chase-Ziolek, PhD, RN
Director, Center for Faith and Health and Professor of Health Ministries
North Park Theological Seminary, Chicago, IL

To fully realize the potential of religious practices to positively influence health, clergy must understand the faith and health connection, using that knowledge to educate congregants and shape ministries. This paper will discuss the wellness initiative of one Protestant seminary to prepare clergy who appreciate the personal, congregational and communal implications of the connection between faith and health. Required courses and community activities on faith, food & fitness encourage students to develop healthy habits to sustain them through the rigors of theological education and ministry, as well as recognizing the potential for the church to influence the health of communities.
**“The Effects of an Interpersonal Forgiveness Intervention on the Personal and Professional Lives of Clergy”**

Dr. Preston VanLoon, EdD  
Associate Professor, Iowa Wesleyan College

This study examined the effects of a forgiveness education intervention on the psychological well-being of clergy and their ability to apply interpersonal forgiveness skills in their personal lives and in professional conflict situations depicted in hypothetical vignettes. A sample of 32 clergy from eleven different denominations was randomly assigned to either an experimental or control group. The experimental group received a four session forgiveness education intervention while the control group was taught human relation skills. Significant results were found between the groups in regards to the participants’ willingness to forgive and the use of forgiveness strategies for resolving the interpersonal conflict situations.

**3:00 – 3:50 PM**

**“A 3-Factor Model for the FACIT-Sp”**

Andrea Canada, PhD  
Abstract not available at printing

**“Development and validation of instruments to assess potential mechanisms of the religion-health connection”**

Cheryl L. Holt, PhD  
Assistant Professor, Department of Medicine, Division of Preventive Medicine, The University of Alabama at Birmingham

Studies suggest an association between religious involvement and health but fewer explain why this relationship exists. In testing a theoretical model of the religion-health connection including explanatory mechanisms like social support, we observed that existing instruments were not readily available for constructs of perceived religious influence on health behaviors, and illness as punishment from a higher power. We used an iterative process to develop and validate instruments to assess these constructs. The instruments appeared to have strong internal reliability (a = .83, .91) and moderate test-retest reliability (r = .59, .84, p < .001). Construct validity is also discussed.

**4:00 – 4:50 PM**

**“Religious and Spiritual Mediators for Psychosocial Health Risk among African American Women”**

Fleda Mask Jackson, PhD  
Senior Scientist  
Atlanta Regional Health Forum

This presentation examines the religious and spiritual practices and beliefs among African American women employed to arrest the deleterious health consequences of gendered racism. Gendered racism is defined as the intersection of the particular stessors associated with the gendered roles and responsibilities assumed and imposed upon women and the historical and contemporary realities of race and racism in the lives of African American women. Qualitative and quantitative findings from ongoing research demonstrate the faith practices and beliefs of African American women inclusive of resilience and resistance, religious rituals and support networks embodied in the constructs of faith, forgiveness, and fearlessness.

**“Sociocultural Factors in Adolescent Depression”**

Rachel E. Dew MD MHS  
Assistant Consulting Professor  
Duke University Medical Center

Co-authors: Stephanie S. Daniel PhD, David B. Goldston PhD, W. Vaughn McCall MD MS, Cyrus Schleifer MA, Mary Francis Triplett MA, Harold G. Koenig MD MHSc

Little research on religion/depression relationships has occurred with adolescent psychiatric patients. 147 adolescent psychiatric outpatients completed the Beck Depression Inventory-II (BDI-II), a multi-dimensional religion/spirituality questionnaire, and measures of substance abuse and social support. 104 subjects were again surveyed 6 months later. Multiple aspects of religion/spirituality correlated with depression. When controlled for social support and substance abuse, Forgiveness, Negative Religious Support, Loss of Faith, and Negative Religious Coping retained significant relationships to BDI-II. Several aspects of religiousness/spirituality appear to relate to depression in adolescent psychiatric patients. Findings suggest that social support and substance abuse mediate some, but not all correlations.
Poster Sessions

The poster session will be held on Thursday, June 26 at 10:00 AM in the Winter Garden of the Duke Fuqua School of Business. From 10:00 to 11:00 AM, there will be opportunity to discuss the posters and ask questions of the authors. Posters will be available for viewing until 5:00 PM.

“Religious and Nonreligious Coping in Jewish Adults Who Have Had Heart Surgery”
Erica A. Abel, PhD
Adelphi University
Co-authors: Jonathan Whiteson, M.D., Mariano J. Rey M.D., Ana Mola ANP

“The Role of African American Health Ministries in Promoting Healthy Behaviors among Type II Diabetics”
Sandra Austin, MSW, EdD
Assistant Professor
School of Social Welfare
University at Albany

“Creating a Theology of Healthy Aging: The Power of Sacred Relationships”
Rabbi Richard F. Address, DMin
Director, Department of Jewish Family Concerns, Union for Reform Judaism
Adjunct Professor, Hebrew Union College — Jewish Institute of Religion

“Illness Linked to Unhealed (Early) Broken Love Bonds”
Marieluisa Auterson, MA, MA
Adlerian Psychotherapist

“Dialectics in the 19th century Germany and counteracting pathways of prayer coping to the short-term postoperative adjustment in cardiac surgery patients”
Amy L. Ai, PhD
Associate Professor
University of Washington

Jeffrey P. Bjorck, PhD
Professor of Psychology
Fuller Theological Seminary
Graduate School of Psychology

“Finding God through Weight Loss”
Jean Renfro Anspaugh
Researcher
Inova Health System

“Does a Credible God Heal People?”
Saul Boyarsky, MD, JD
Consulting Associate, Department of Urology
Duke University Medical Center

“Physics and Psychoanalysis: The Influence of Spirituality on Physical and Mental Health”
Denise de Assis
Psychologist and Systems Analyst
CLITOP — Cultural Association, Center of Mental Health Study and Treatment

“Thrust into the LymeLight: Reconciling the head and heart of a spiritual life while confronting a serious illness”
Michele Kiely Briggs, PhD
Associate Professor of Counseling Psychology
James Madison University
“Religious Beliefs and Practices Have a Role in Grieving after Perinatal Loss
Rabbi Doctor F. Susan Cowchock
Postdoctoral Fellow, Center for Spirituality, Theology, and Health
Duke University Medical Center
Co-authors: Lasker JN, Toedter L, Skumanich SA, Lohmann JK, Koenig H

“A Brief Survey of Pharmacy Students and Spirituality”
John W. Campbell PhD, MBA, MS, CCC-SLP
Director of Research, Oklahoma Health Center Clinical Pastoral Education Institute, Inc.
Adjunct Clinical Associate Professor, Don W. Reynolds Department of Geriatric Medicine
Associate Director, Oklahoma Center for Neuroscience, University of Oklahoma College of Medicine

“Spiritual growth and its association with medical and psychological outcomes among participants of a mind-body cardiac program”
Bei-Hung Chang, ScD
Associate Professor
Boston University School of Public Health

“Pilate Syndrome or Pleasing Others to Death: Blind Spots, Unanswered Questions and the Truth”
The Very Reverend Protopresbyter Constantine A. Constantopoulos, PhD
Chancellor, Holy Greek Orthodox Archdiocese of Moria, the United Kingdom & Exarchate of the Atlantic
Distinguished Professor of Interdisciplinary Studies, and President & CEO, Intercontinental Open University

“Religion, Spirituality and Adolescent Psychiatric Symptoms: A Review”
Rachel E. Dew MD MHS
Assistant Consulting Professor
Duke University Medical Center
Co-authors: Stephanie S. Daniel PhD, Tonya D. Armstrong PhD, David B. Goldston PhD, Mary Francis Triplett MA, Harold G. Koenig MD MHSc

“Godly Play: Physical, Emotional and spiritual Responses of Chronically Ill Hospitalized Children”
Joan Farrell, PhD
Professor of Public Health
University of North Florida

“How Religious Beliefs can Directly Affect Brain Function and Mental Health: ETAS Theory”
Kevin J. Flannelly, PhD
Associate Director of Research
The HealthCare Chaplaincy, New York, NY
Co-authors: Kathleen Galek, PhD, Harold G. Koenig, MD, MHSc, Christopher G. Ellison, PhD

“The Importance of Cognitions in Measuring Spirituality and Religion: The Case for Personal Theological Beliefs”
Kevin J. Flannelly, PhD
Associate Director of Research
The HealthCare Chaplaincy, New York, NY
Co-authors: Kathleen Galek, Ph.D., Mathew Porter, Ph.D.
“A Spiritual Fitness Assessment and 18 Spiritual Exercises for a Healthier Life”
Dale Fletcher, MS
Founder
Faith and Health Connection

“Divine Relations Reconsidered: Predictors of Divine Relations and Their Effect on Self-Rated Health”
Steven M. Frenk
PhD Candidate, Department of Sociology
Duke University

“UNC Hospitals Bereavement Support Service: The Impact Made Visible”
Heidi G. Gessner, MDiv
Bereavement Coordinator & Burn Chaplain
UNC Hospitals

“Integrating Spirituality & Medicine: Toward Discovering a Causal Relationship between Spiritual Care Intervention and Decreased Fatigue, Dyspnea, and Depression in COPD Patients”
Rev. Jack D. Giddens, D.Mn
Chaplain
Covenant Hospice, Inc.

“Race, ethnicity, and prayer for health reasons”
F. Gillum, MD, MS
Visiting Lecturer
Howard University School of Divinity

“Religiousness and altruism: The case of blood donation”
F. Gillum, MD, MS
Visiting Lecturer
Howard University School of Divinity

“Smokeless tobacco use and religiousness”
F. Gillum, MD, MS
Visiting Lecturer
Howard University School of Divinity

“Evidence-based Spiritual Care Best Practices”
John J. Gleason, DMin, BCC, AAPC
Pastoral Educator
St. Vincent Hospital

“Meaningful Life as a Psychiatric Treatment Goal: An Ethnography of Hope”
Elizabeth Stanhope Gordon, JD, MDiv
PhD student, Graduate Theological Union

“Transpersonal Presence in Therapy: A Case Study”
Jamal Granick, M.S., MFT
Ph.D. student at the Institute of Transpersonal Psychology

“Coverings of the Self: The Koshas as a Model of Integrated Physical, Psychological, and Spiritual Well-Being”
Carol Haefner
PhD student (year 3) at the Institute of Transpersonal Psychology

“Associations among Distal and Proximal Spirituality and Health Behavior in Adolescents”
Andrea I. Hart, MPH., CHES
Research Associate,
Addictive & Health Behaviors Research Institute
University of Florida

Poster Sessions continued
“Objective and Subjective Fit with Congregational Norms as a Mediator of Life Satisfaction”

R. David Hayward, PhD
Postdoctoral Fellow, Center for Spirituality, Theology and Health
Duke University Medical Center

“Psychotherapy and Grace: The Role of Vicarious Posttraumatic Growth”

Christopher J. Howard, PsyD
Adjunct Faculty
Antioch University

“Public School Teachers’ Religiousness and Sense of Efficacy in Dealing with Professional Challenges”

Shin Ji Kang, PhD
Assistant Professor, School of Education, Cumberland University

“Spirituality and Well-Being: Testing Family Spiritual Interdependence Theory”

Suk-Sun Kim, PhD, MS, RN
Postdoctoral Research Fellow, Center for Spirituality, Theology and Health
Duke University Medical Center

“Taking a Spiritual History in a Clinical Setting”

Mark LaRocca-Pitts, PhD, BCC
Staff Chaplain, Athens Regional Medical Center

“The Contribution of Religiousness and Humanistic Spirituality to Depression, Life Satisfaction and Work Satisfaction among Israeli Nurses”

Aryeh Lazar, PhD
Senior Lecturer and Coordinator of I/O Psychology
Department of Behavioral Sciences
Ariel University Center of Samaria, Ariel, Israel


Steven M. Lucero
Katherine G. Kusner
Emily A. Speace
Graduate Research Assistants
Bowling Green State University

“Faith-Health Synergies among Black Baptist”

Sandy D. Maclin, Jr MDiv
Research Assistant
Interdenominational Theological Center/Institute for Faith-Health Leadership

“The Healing Nature of Music: Music Therapy and Spirituality in Oncology”

Lucanne Magill, DA, MT-BC
Assistant Professor
University of Windsor

“The Spiritual Meaning of Music Therapy to Surviving Caregivers of Advanced Cancer Patients”

Lucanne Magill, DA, MT-BC
Assistant Professor
University of Windsor

“Spiritual Care and Nurture of Clergy”

The Rev. Dr. Lois D Martin
Pastor of Beaver Lutheran Church (ELCA)

“Voices without Violence: Evolving Self-Awareness in Human Consciousness”

Timothy L. McNeil, DMin, LMHC
Licensed Mental Health Counselor
Executive Director
Genesis Counseling Center
“This is a place of hope. It’s a place of light. I like it.”
Rev. Marisa McNeil, MDiv, BCC
Chaplain, Denton State School

“Transformative Forgiveness Following Severe Trauma”
Gabriela Mihalache
PhD Student — Institute of Transpersonal Psychology

“Daily Spiritual Experiences and Perceived Quality of Life of Young Adult Women: Exploring the Impact of Intimate Partner Violence (A Pilot Study)”
Carolyn J. Nickerson MSN, MA, EdD, RN
Associate Professor
Duquesne University School of Nursing

“Religious/Spiritual CAM in the Foreign-Born Population of the United States”
Paul D. Numrich
Theological Consortium of Greater Columbus and Loyola University Chicago
Christine Numrich
University of Illinois at Urbana–Champaign

“Homeless Retreats: and Oasis”
Margaret O’Donnell, MS D Min
Founder
Oasis Society for the Spiritual Health of Victoria

“Placebos in Pain Management—A Tangible Reason to Return to the Non-Conceptual?”
Steven Pashko, PhD

“Patients’ Expectations of Hospital Chaplains”
Katherine M. Piderman, PhD
Chaplain, Coordinator Research, Mayo Clinic Department of Chaplain Services
Assistant Professor of Psychology, Mayo Clinic College of Medicine
Co-authors: Rev. Dean V. Marek, BA, Sarah M. Jenkins, MS, Mary E. Johnson, MA, Rev. James F. Buryska, STL, Paul S. Mueller, MD

“An Interdisciplinary Approach to Teaching Spirituality to Health Care Provider Students”
Mary Ellen Quinn, PhD, RN
Associate Professor
Medical College of Georgia School of Nursing
Co-authors: Mark LaRocca-Pitts, PhD, BCC; Susan Adams, FNP, RN; Christy Berding, DNP, RN; Ginger Fidel, MSN, RN; Stacey Kolomer, PhD, MSSW

“Parish Nursing — Compassion in a Community Context”
Camille Ratliff
Trinity 2010
International and Comparative Area Studies
Major Global Health Certificate

“Spiritually-based Colorectal Cancer Education: Feasibility of implementation and preliminary evaluation”
Chastity Roberts McDavid, PhD, MPH
Program Coordinator at The University of Alabama at Birmingham, School of Medicine, Division of Preventive Medicine

“Promotion of Holistic Health via Excellent Family Planning: A Catholic Perspective”
Fr. Christopher M. Saliga, OP, RN
University Chaplain, Walsh University, North Canton, Ohio
Ethics Consultant, Dominican Friars
Health Care Ministry of New York, NY
“Spiritual Life in Sight”
M. Clare Smith, MRE, MA, PC, ATR-BC
Doctoral Student, Cleveland State University
Art Therapist, St. Vincent Charity Hospital

“Congregations for Public Health: Answering the CALL to Address Health Disparities”
Theolishia Smith, MPH, ATC
Program Manager
University of Alabama at Birmingham

“Diabetes Prevention Program in Parishes: The Role of Faith Communities in Primary Prevention”
James K. Struve MD, MS
Family Physician and Geriatrician, Bloomington Lake Clinic

“Religious Organizations’ Responses to HIV/AIDS: Preliminary Findings from the Cincinnati Study”
Magdalena Szaflarski, PhD
Research Assistant Professor
Department of Public Health Sciences
University of Cincinnati
Co-authors: Joel Tsevat, MD, MPH; C. Jeffrey Jacobson, PhD; P. Neal Ritchey, PhD; Rhys H. Williams, PhD; Susan N. Sherman, PhD; Sian Cotton, PhD

“Using Outreach to Meet the Spiritual Needs of Cancer Patients and Their Family Members”
Lyn Thompson
Spiritual Outreach Coordinator
(and cancer survivor)
Cancer Treatment Centers of America
Southwestern Regional Medical Center

“The Impact of Hurricane Katrina Upon Faith Communities in New Orleans, LA”
Leah M. Vaughan, MD, MPH
Public Health Researcher
Community Maps

“Being and Doing: The Relationship of Mindfulness to Buddhist’s Psychological and Physical Health”
Heidi A. Wayment, PhD
Professor and Department Chair,
Department of Psychology
Northern Arizona University

“Upgrading the Immune System through Multiple Composite Frequencies”
Mary S. Wheeler, PhD
Exec. Director
Energy Healing Partners, Inc.

“Spiritual Care Resource Nurse Program”
Bishop Bruce D. Wright PhD
Manager, Department of Spiritual Care,
University Community Hospital

“The Therapeutic Interface of Theology, Justice and Health Care: A Dialectical Approach”
Laurabeth Wyatt
Volunteer Chaplain
Legacy Meridian Park Hospital

“The Biblical book of Job as a Model for Spirituality, Health and Human Flourishing”
Edie T. Young, MBA
The Center for Spirituality, Theology, and Health, at Duke University Medical Center is led by co-founders Dr. Keith Meador and Dr. Harold Koenig. The three main goals of the Center are to support research and education at the intersections of spirituality and health, to explore the role of faith communities in forming the health of the broader community, and to integrate research and scholarship into the practical disciplines of care and service.

A cornerstone of the Center’s work is the Community of Scholars, a multi-disciplinary team of nationally and internationally recognized scholars from Duke University, the University of North Carolina at Chapel Hill, and other colleges and universities. This group includes members from diverse disciplines such as medicine, theology, sociology, psychology, religious studies, public policy, and epidemiology who gather once a month to discuss their common work in order to stimulate research and scholarship at the intersection of spirituality, theology, and health. Current scholars include representatives from several traditions within Christianity as well as from Judaism and Buddhism.

The Center also supports innovative research in spirituality and health. The Center is currently administering seven innovative grants made by the John Templeton Foundation for the purpose of investigating how religion and spirituality – in particular, religious attendance, worship, and altruistic and caring activities – influence individual and community health.

Additional educational offerings of the Center include monthly seminars for the entire university community featuring nationally and internationally recognized Visiting Scholars, undergraduate and graduate student opportunities, summer research and clinical workshops, and a post-doctoral research fellowship program. For detailed information, please see our website: www.dukespiritualityandhealth.org.
Announcements

Books will be sold in the Winter Garden from 9:00 AM to 4:30 PM on Thursday June 26. An order form is also included in your conference packet.

The National Academies Keck FUTURES INITIATIVES has awarded a 2007 FUTURES grant to CHRISTINE GRANT, CHEMICAL AND BIOMOLECULAR ENGINEERING, NCSU, Raleigh, NC (Project Leader) KEITH MEADOR/ELIZABETH ANN GERKEN HOOTEN (Center for Spirituality, Theology and Health), ANATOLI I YASHIN (Center For Aging), Duke University, Durham, N.C. KHALED SALEH, Orthopaedic Surgeon, University of Virginia, Charlottesville, VA SARA PECKHAM, Wellness Consultant, Cleveland, OH for their research

Paradigm Shift Towards Positive Health & Healthspan Outcomes in Orthopedic Events for Aging Diverse Populations

The abstract for the paper presentation can be found in the abstracts for Room C.

You are invited to participate in an interest group discussion over lunch on Thursday on the patio near the dining room.

UPCOMING SEMINARS 2008-2009 ACADEMIC YEAR

The Center for Spirituality, Theology and Health will be hosting a series of eight regularly scheduled conferences. These seminars will be held on the first Thursday of every month during the school year with the exception of September and of January (see below).

September 11, 2008
Pamela Reed, PhD RN
The University of Arizona
College of Nursing

October 2, 2008
Christopher Ellison, PhD
Professor of Sociology
University of Texas at Austin

November 6, 2008
Jeffrey Bishop, MD, MDiv
Associate Professor of Medicine
Vanderbilt University School of Medicine

December 4, 2008
Heather Curtis, ThD
Assistant Professor of Religion
Tufts University School of Arts & Sciences

February 5, 2009
Myles Sheehan, SJ, MD
Ralph P. Leischner Professor of Medicine
Loyola University School of Medicine

March 5, 2009
Mike McCullough, PhD
Professor of Psychology and of Religious Studies
University of Miami

April 2, 2009
Christina Puchalski, MD, MS
Founder and Director
George Washington Institute for Spirituality and Health

May 7, 2009
Michael King, MD PhD
Professor of Primary Care Psychiatry
University College London

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Duke Publications
James Scott & Jimmy Aiken

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Fedex Kinko’s Office and Print Center - 3004
610 Ninth Street
Durham, NC 27705

Gothic Bookshop
Duke University
Kathy World
Box 90851
Durham, NC 27708

Duke University Stores
Custom Orders Department
Abe Lewis

This meeting is made possible in part by a grant from The John Templeton Foundation.
www.templeton.org

Membership

Join the Society or renew your membership at www.societysth.org
Campus Information

Duke Chapel
www.chapel.duke.edu
Duke Chapel is a popular site to visit and photograph. It is located in the middle of West Campus and is next to the Divinity School. It opens at 8:00 a.m. and closes at 8:00 p.m. The Chapel is open to the public unless there is a special event such as a wedding; you can call (919) 681-9414 or (919) 684-8150 to see if the Chapel is open to visitors.

Carillon Music
The University Carillonneur performs a 15-minute recital on the 50-bell carillon Monday through Friday from 5:00 to 5:15 p.m. and before and after the Sunday worship services (at 10:45 a.m. and 12:00 noon). The carillon is located near the top of the Chapel tower and can best be enjoyed outside in the vicinity of the Chapel.

Organ Music
For the enjoyment of visitors to the Chapel, the Benjamin N. Duke Memorial Flentrop organ is played most weekdays from 12:30 to 1:30 p.m. At other times during the day, one might hear an organist practicing for a special event or service.

Duke Forest
www.dukeforest.duke.edu
The Duke Forest comprises 7,050 acres of land in Alamance, Durham and Orange counties. Its six divisions are fully accessible through a network of roads and fire trails. A variety of ecosystems, forest cover types, plant species, soils, topography and past land use conditions are represented within its boundaries.

The Forest has been managed for research and teaching purposes since the early 1930s. The original focus on forestry education and research has since expanded to include a broad range of studies in the ecological and environmental sciences. In terms of size, diversity, accessibility and accumulated long-term data, the Duke Forest is a resource for studies related to forest ecosystems and the environment that is unrivaled at any other university.

Forest maps for the general public are available for sale. The maps show the Forest’s boundaries, entrance gates, forest roads, foot paths, creeks and topographic contours. Written passages and photos are included which provide insight into the Forest’s academic use, history, management and ecology. The map packet includes two 18x24-inch sheets printed on both sides.

Limited public recreation is permitted in the Duke Forest as long as it does not conflict with teaching and research projects. Permissible activities include hiking, biking, and horseback riding on the established roads, as well as fishing and picnicking.

The Nasher Museum of Art
http://nasher.duke.edu
Renowned architect Rafael Viñoly designed the Nasher Museum of Art at Duke University, which opened in October 2005. The museum is a major new center for the arts on campus and in the Research Triangle area, with leading-edge art exhibitions and dynamic programs, including Family Days, performing arts events, lectures, film series and social gatherings. The 65,000-square-foot building houses three large gallery spaces, a museum store, university and community classrooms and Nasher Museum Café with indoor and outdoor seating overlooking sculpture gardens.

The Nasher Museum of Art is located on Duke University’s Central Campus, at the intersection of Duke University Road and Anderson Street, adjacent to the Sarah P. Duke Gardens. The street address is 2001 Campus Drive, Durham, NC, 27705. You can reach the Nasher by phone at (919) 684-5135.

Museum Hours
Monday — closed
Tuesday, Wednesday, Friday, Saturday — 10 a.m. to 5 p.m.
Thursday — 10 a.m. to 9 p.m.
Sunday — Noon to 5 p.m.
Admission
The suggested admission price is $5. The fee is $4 for seniors, $4 for members of the Duke Alumni Association with membership card, $3 for non-Duke students with I.D. and free for children 16 and younger. Admission is FREE to Duke University students, faculty and staff with I.D. and to Durham city residents who present a valid I.D. with address or proof of residency, courtesy of The Herald-Sun.

General Parking
The museum’s 100-space public parking lot, east of the building, is accessible from either Campus Drive or Duke University Road. The parking fee is $2 per hour, with a maximum of three hours. The winding path from the parking lot to the main entrance is about 100 yards.

Handicapped Parking
Visitors may be dropped off at the Anderson Street entrance, where handicapped parking is available. For assistance or more information please call (919) 684-5135.

Sarah P. Duke Gardens
www.hr.duke.edu/dukegardens
Duke Gardens provides a place where people of all backgrounds and ages come for beauty, education, horticulture, solitude, discovery, study, renewal and inspiration.

The Sarah P. Duke Gardens, often spoken of as the “Crown Jewel of Duke University,” occupies 55 acres in the heart of the University’s West Campus, adjacent to Duke University Medical Center. It is recognized as one of the premier public gardens in the United States, renowned both for landscape design and the quality of horticulture, each year attracting more than 300,000 visitors from all over the world.

The Gardens are open daily from 8:00 am to dusk.
Parking: $2 per hour

Cameron Indoor Stadium
When Cameron Indoor Stadium opened in 1940 it was the largest basketball arena south of Philadelphia. The stadium was renamed in 1972 for Edmund McCullough Cameron, who served as men’s basketball coach from 1929-42, football coach from 1942-45 and athletic director twice (1942-45 and 1951-72). The Blue Devils men’s and women’s basketball teams benefit from Cameron’s intimate seating arrangements for slightly more than 9,000 fans, including bleacher-style seats alongside the court reserved for students (nicknamed the Cameron Crazies). The Athletic Department’s ticket office is located in the front lobby. Outside the campus-side doors is Krzyzewskiville, where students pitch tents each basketball season to get into big games.

The Bryan Center and Duke Stores
The Joseph M. and Kathleen Price Bryan University Center, which opened in 1982, houses the University Store, an information desk, the Gothic Bookshop, three dining facilities, ATM machines, film and performing art theaters, the University Box Office, a post office and broadcast studio.

Gothic Bookshop:
Upper level, Phone: (919) 684-3986
Monday – Friday, 8:30am – 7pm;
Saturday 8:30am - 5pm

Lobby Shop:
Upper level, Phone: (919) 684-2179
Monday – Saturday, 8:30am – 12am;
Sunday 12pm – 12am

Textbook Store:
Lower Level, Phone: (919) 684-6793
Monday – Friday, 8:30am – 7pm;
Saturday 8:30am – 5pm

University Store:
Upper level, Phone: (919) 684-2344
Monday – Friday, 8:30am – 7pm;
Saturday 8:30am – 5pm