

UTAH ACADEMY
of
Sciences, Arts, & Letters

Established 1908

Annual Conference

April 10, 2009

Brigham Young University
N. Eldon Tanner Building
Provo, Utah

UTAH ACADEMY OF SCIENCES, ARTS, & LETTERS

Annual Conference April 10, 2009

9:00-10:00 a.m.

Registration: Tanner Building Atrium level 2

Continental Breakfast: Tanner Building Atrium level 2

10:00-11:30 a.m.

Plenary Session: Room 251

Welcome: Cecil O. Samuelson, President, BYU

Presidential Address: R. Steven Turley

Distinguished Service Award Presentation: Spencer Blake

Plenary Speaker: C. Arden Pope III

Academy Business: R. Steven Turley

12:00-1:00 p.m.

Luncheon: Hinckley Building Assembly Hall

Classical Pianist: Deena Winters

John and Olga Gardner Prize Presentation: Spencer Blake

1:00-1:45 p.m.

Tanner Lecture: Dr. Edward Geary

Hinckley Building Assembly Hall

2:00-4:30 p.m.

Poster Session: Tanner Building Atrium level 2

2:00-5:30 p.m.

Division Session Presentations: Tanner Building

3:00-4:30 p.m.

Refreshments: Tanner Building Atrium level 2

5:30-6:30 p.m.

UASAL Board Meeting: room 750

Plenary Speaker

C. Arden Pope III

C. Arden Pope III is the Mary Lou Fulton Professor of economics at Brigham Young University. He received his PhD from Iowa State University (1981), where he studied economics and statistics, and he has been an IPH Fellow and visiting scientist in Environment Health and Public Policy at the Harvard School of Public Health (1992/93). He has conducted research dealing with a variety of natural resource and environmental economics issues. His cross-disciplinary research in environmental epidemiology resulted in

seminal studies on the effects of air pollution on pulmonary and cardiovascular health. Over the last 20 years, Dr. Pope has conducted or collaborated on key studies on short- and long-term air pollution exposure which have influenced environmental public health policy and air pollution standards in the U.S., Europe, and elsewhere. He has also played prominent roles in reviewing and interpreting this literature, and is one of the world's most widely cited and recognized experts on the health effects of air pollution.

Dr. Pope was the recipient of the Karl G. Maeser Distinguished Faculty Lecturer Award, BYU's highest faculty honor (2006); the Utah Governor's Medal for Science and Technology (2004); the Thomas T. Mercer Joint Prize from the American Association for Aerosol Research and the International Society for Aerosols in Medicine (2001); Honorary Fellow Award (FDDP, Hon), American College of Chest Physicians (2008) and various other awards.

Distinguished Service Award Craig Oberg – Weber State University

A native of Oregon, Craig J. Oberg graduated from Weber State in 1979 and went on to receive his Ph.D. at Utah State University in 1985. While still working on his graduate degree, he joined the Department of Microbiology at Weber and has been a member of its faculty ever since, including service for the past 18 years as department chair. During his tenure as chair, the department has nearly doubled in size and has increased dramatically the success of its graduates in both professional accomplishments and acceptance into graduate programs.

Recently designated Presidential Distinguished Professor of Microbiology, Dr. Oberg was the John S. Hinckley Fellow for 1998 and is the recipient at Weber of numerous other prestigious awards, including the Alumni Association's H. Aldous Dixon Award (1996), the George and Beth Lowe Innovative Teaching Award (1999), and the Spencer L. Seager Distinguished Teaching Award (2001). He was also the Cortez Honors Professor of the Year (2000) and the College of Science Endowed Scholar (2004-07). An active biologist who also occasionally teaches in Utah State University's Nutrition and Food Sciences Department, Professor Oberg has published more than eighty articles, many in prestigious journals both in the United States and Europe, has delivered over a hundred scientific presentations, has received more than four dozen grants,

and edited a book reconciling science and religion. He has served as president of the Utah Academy of Sciences, Arts, and Letters and of the Intermountain Branch of the American Society of Microbiology.

His eclectic interests as a scientist and intellectual have led him to such diverse projects as a book and honors course on fly-fishing (which received a half-page notice in the Sunday New York Times) and a summer in the highly selective Microbial Diversity Course at Woods Hole Marine Biological Laboratory. The Woods Hole experience led to an invitation to join the faculty for a summer as well as a National Science Foundation grant for a Weber student to work on phosphate cycling in the Great Salt Lake, new research projects to isolate and characterize novel organisms in the lake, and his teaching of Environmental Microbiology and the Microbial Ecology lab for a colleague on leave. Wide-ranging curiosity has brought Dr. Oberg into research and writing projects on a broad spectrum from an essay and photographic display on the microbiology of the thermal features of Yellowstone National Park to a book on cheese functionality, the outcome of a twenty-five-year collaboration with Dr. Don McMahon. In this connection, he has helped developed several patents related to cheese production. In addition to all of this, Professor Oberg has devoted considerable energy to service both on campus and in the community. For example, he has chaired the WSU Computing Committee as well as the taxing Salary, Benefits, and Fiscal Planning Committee for several years. He is also an active participant in the Utah Science Teachers Association, the

American Society of Microbiology, and the American Dairy Science Association.

He and his wife Lynette have five children and live in Liberty, Utah.

working on a book on the rock art of the San Rafael region and a family memoir tracing the life and times of his grandmother, Minnie Estella Acord Ungerman, from 1872 to 1958.

TANNER LECTURE

The Manner of the Country

"The manner of the country makes the usage of life there, and the land will not be lived in except in its own fashion."

Mary Austin

Edward Geary

Edward A. Geary, professor emeritus of English at Brigham Young University, is a native of Huntington, Utah, in the arid but fascinating San Rafael Swell region, where he again resides in his retirement. He was educated at Carbon College (now the College of Eastern Utah), Brigham Young University (B.A. 1960, M.A. 1963), and Stanford University (Ph.D. 1971). During a 38-year career at B.Y.U. he served terms as editor of BYU Studies, director of the Charles Redd Center for Western Studies, associate dean of the College of Humanities, and chair of the English Department. He is the author of numerous articles on Utah and the west, and three books, *Goodbye to Poplarhaven: Recollections of a Utah Boyhood* (1985), *The Proper Edge of the Sky: The High Plateau Country of Utah* (1992), and *A History of Emery County in the Utah Centennial County History series* (1996). He is currently

John and Olga Gardner Prize

Dr John E. Keith – Utah State University

Dr. Keith began his career in Economics in the early 1970s researching water allocation problems in the Upper Colorado River Basin using operations research tools. His dissertation was the subject of several newspaper articles and other commentaries, leading him to have a better understanding of Mark Twain's famous quote that "...whiskey is for drinkin' and water is for fightin'." With Western colleagues, he has continued to examine water issues in Utah and West, especially related to energy development and recreation demands. He had opportunities to expand the scope of his water research to include international perspectives, including water allocations, water management, and water pricing in Mexico, the Senegal River Basin in Africa, the Aral Sea region in Central Asia, the Nile River Basin, and the Souss-Massa River Basin in Morocco. The latter two involved living in Egypt and Morocco for two-year assignments. He recently completed work looking at irrigation systems in Moldova. Dr. Keith has worked with the Utah Water Research Laboratory, the Utah Division of Water Resources, the Utah Public Lands Policy Coordinating Office, USAID, the Millennium Challenge Corporation, the World Bank, and other State, National and international water agencies.

Dr. Keith has focused his water research on bringing the tools of economic analysis into water policy making in the "real world." His efforts both locally and internationally have been aimed at improving practical decision-making about water management and use. In a world of increasingly scarce water resources, Dr. Keith has attempted to provide information upon which to base policy that will reduce the "fightin'" and improve the productivity of those resources.

Special thanks are extended to the Gardner Family for their generosity and the many years of sponsoring the Gardner Prize.

Utah Academy

2009 Spring Excursion

Utah State Capitol Excursion:

The Utah Academy of Sciences, Arts & Letters will conduct its annual excursion on Saturday 6 June 2009. All Utah Academy members, family and friends of members are welcome to participate. The excursion will feature a tour of the Utah State Capitol and the Utah Governor's Mansion. Both of these historic buildings have been recently renovated to their original beautiful condition. The tour will be led by Representative Rebecca Lockhart, a member of the Utah State Legislature who is also a trained tour leader. Because of her legislative position she will be able to take us into places not normally seen by the general public. We also plan to have one of the capitol renovation architects explain important historic and modern features of the capitol. This promises to be an interesting and educational look at two of Utah's most significant structures and the history they reflect.

The cost will be \$10 per person payable to the Utah Academy in advance by 18 May 2009. Please meet at 10:00 Saturday 6 June 2009 at the Utah State Capitol East doors. We will tour there first; then after lunch, we will tour the Governor's Mansion. Send your

name, contact information and a check made out to "Utah Academy" to Betty Lamb (Utah Academy Secretary), 9768 N. Oxford Circle, Cedar Hills, UT 84602 (email: bvlamb@gmail.com). If you have other questions please contact Lynn McKell (email: mckell@byu.edu). PLEASE COME!!

The Utah Academy wishes to express their appreciation to Brigham Young University for hosting the 2009 Annual Conference and extends a special thanks to the faculty and staff at BYU for their assistance with local campus arrangements.

We invite you to mark your calendars for next years UASAL Conference, to be held on Friday, April 9, 2010 at Dixie State College in beautiful St George, Utah.

JOURNAL OF THE UTAH ACADEMY PUBLICATION POLICY

To authors of papers presented at the Annual Conference:

Presenters are encouraged to publish their paper in *The Journal of the Utah Academy*. *The Journal's* criteria are that a submission is (1) fresh, meaningful scholarly insight on its subject; (2) readable and well written; and (3) of general interest for an academic readership beyond the author's field.

If you wish your paper to be considered for publication in *The Journal*, please send one hard copy of your paper and abstract to Susan Jorgensen (see address below) and three copies to the chair of your division by May 1, 2008. All submitted papers will be considered for an Outstanding Paper Award. Include both your institutional and home addresses and phone numbers, email address and fax number. Papers will be peer reviewed. Please suggest possible appropriated referees, including names, telephone numbers and addresses.

At the time of acceptance for publication, manuscripts must be submitted as an attachment in Microsoft Word via email, also attach a PDF. Figures, diagrams and photographs must be saved as TIFF files and should be no larger than 5 x 7. Papers must conform to the style of the paper's discipline: MLA, APA, Chicago, CBE, or AIP. Papers should be between ten and twenty double-spaced pages.

The Journal of the Utah Academy is a refereed journal. Editorial responses will be forthcoming after the resumption of school the

following fall when referees have returned their comments to the division chairs.

Detailed publication guidelines are available at the Utah Academy website: www.utahacademy.org

Susan Jorgensen and Lisa Johnson

185 HGB

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DIVISION SESSIONS - ROOM ASSIGNMENTS

Tanner Building

POSTER SESSION

Level 2 Atrium

ARTS

Room 220

Business

Room 220

BIOLOGICAL SCIENCES

Room 284

EDUCATION

Room 130

LETTERS

Philosophy, Room 170

Literature, Room 270

PHYSICAL SCIENCES

Session 1 Room 260

Session 2 Room 260

Session 3 Room 230

Session 4 Room 260

Session 5 Room 230

SOCIAL SCIENCES

Session 1 Room 220

Session 2 Room 180

Session 3 Room 180

Session 4 Room 130

REFRESHMENTS

Level 2 Atrium 3:00 – 4:30

POSTER SESSION

Poster Chair, R Steven Turley, BYU

2:00 – 4:30 pm Level 2 Atrium

Coastline Mapping of the Yellow River Delta using Modified NDWI

Trace A. Griffiths, Dr Gene A. Ware, Dr Doran J. Baker

Utah State University

Evolutionary Relationships Among Isolated Populations of Hyla arenicolor in the Slot Canyons of Zion National Park

Nikaela Aitken, Matthew C Irvin, Curt Walker & David Jones

Dixie State College

The Ants (Hymenoptera: Formicidae) of Maupiti, French Polynesia

Paul B. Frandsen, C. Riley Nelson, Limb K.M. Hapairai,

Brigham Young University

Brigham Young University

**Bacterial Source Tracking of *Escherichia coli* and *Enterococcus sp.*
from the Great Salt Lake Region using Antibiotic Resistance
Analysis**

Stephen Merrigan, Sarah Garcia, Aaron Fausett, Jon Earl, Jake
Taylor, Lori Brophy, Josh Nakaoka, Brett Schow, William Lorowitz &
Karen Nakaoka, Weber State University

**The effects of grazing on the riparian Diptera (true fly) diversity of
the Baya Olgii Aimag, Mongolia**

Joss R. Wertz, C. Riley Nelson, Brigham Young University

**Inhibition of *Staphylococcus aureus* Isolated from Human Nares by
Lactic Acid Bacteria**

Taylor Oberg, Karen Nakaoka, Mathew Domek & Craig Oberg,
Weber State University

**Determining Mobility of Synarthrotic Fibrous Joints in Human Cranial
Bones**

R. Christopher Bowen, Utah State University

Synthesis and Properties of a Resorcinarene-based Chiral Receptor

Na Li, Roger G. Harrison, & John D. Lamb.
Brigham Young University

**A Novel Cyclen-Resorcinarene Concentrator Column for Transition
Metal Cations in Ion Chromatography**

Taylor J Christensen, Thomas C Ence, & John D Lamb

ARTS

Division Chair: Nichole Ortega, Utah Valley University

Session Leader: Nichole Ortega

Tanner Building Room 220

**2:00 Bleeding Toes and Broken Bones: A Study of Classical
Ballet Injuries Caused by the Use of Pointe Shoes**

Erika Bambas, Brigham Young University

2:15 Return to Little Hollywood

Dr Stephen B Armstrong, Dixie State College

BUSINESS

Business Chair: Dara Hoffa, Westminster College

Session Leader: Dara Hoffa

Tanner Building Room 220

2:30 Just A Few More Moments: The g-and-h Distribution

James B McDonald & Patrick Turley

Brigham Young University

EDUCATION

Division Chair: Lorin Squires, Utah State University-
Uintah Basin

Session Leader: Lorin Squires

Tanner Building Room 130

2:00 A Small Group and a Highly Charged Issue of the
Atomic Bomb – A Case Study

Dan Black, Snow College

2:15 Outreach as Education: The USU Spanish Club
Mexico Service-Learning Project

Dr Maria de Jesus Cordero & Matt Packer

BIOLOGICAL SCIENCES

Division Chair: Erin O'Brien, Dixie State College

Session Leader: Erin O'Brien

Tanner Building Room 284

2:00 The Effect of Trifluralin, Potassium Nitrate (KNO₃) and
the Combination of Trifluralin and KNO₃ on
Chromosomal Aberrations of *Phaseolus vulgaris*
Savi, var. *subcompressus* (No.564) during S, G1
and G2-phase of Cell Cycle

D. Svetleva, S. Petkova & U. Vijaranakul,

Higher Institute of Agriculture, Plovdiv, Bulgaria

2:15 Bridging Biogeography and Cultures: Cataloging
the Aquatic Insects of Mongolian Streams and their
Uses in Biomonitoring

Sarah Walker Judson, Brigham Young University

2:30 An Essay to Characterize Chitinase Utilization
in Euryhaline Halophiles

T.J. Canova, C.J. Oberg & M.D. Zwolinski,

Weber State University

2:45 Prophage Induction in Halopiles Isolated
from the Great Salt Lake

K.E. Oberg, C.N. Jensen, K.E. Nelson, A.M. Hutchinson

T.L. Gray, M.D. Domek, & C.J. Oberg

Weber State University

Asmahan El Ezzi and Ruhul H. Kuddus,

Utah Valley University

3:00 Analysis of thyroxin and thyrotropin stability in blood spots stored under varying conditions.

Utah State University

G. Michael Stathis, Southern Utah University

SOCIAL SCIENCES

Division Chair: Rob Reynolds, Weber State University

Session One

Session Leader: G. Michael Stathis, SUU

Tanner Building Room 220

3:00 The Social Impacts of Economic Development

June Hiatt, University of Utah

3:15 The Effect of International Security Group Membership on Conflict: Explaining the Occurrence and Severity of the 1974 Cyprus Conflict

Brigham Wilson, Brigham Young University

3:30 New Light on Medieval China's Economic Development and its Impact on China's vision for the Future: A First-hand view.

Ian Fraser, Brigham Young University

3:45 Kosovo: the Wrong Debate

Dan Powers, University of Utah

4:00 Quo Vadis Pace Americana? The Decline of American Power and Prestige, 2000-2009, And the Case for Renewal.

4:15 Making a Difference: Structural Issues, Mismatched Expectations, and Cross-cultural Conflict in Short-term International Volunteer Projects

Michelle Bateman, Brigham Young University

Session Two

Session Leader: Spencer Blake, SLCC

Tanner Building Room 180

2:00 They Love Us, They Love Us Not: Exploring the Accuracy of Gallup Polls by Analyzing the Most Influential Factors in USA Public Opinion Approval Ratings in Germany

Brigham Wilson, Brigham Young University

2:15 Student Peer-Assistant Programs & Substance Abuse: A Prevention Theory Based Analysis of Southwestern Utah

Katie Dotson, Logan B Reid, & Allen Sain, Dixie State

2:30 Survey of First Experience of Sexual Intercourse, A Replication of a Study done by Dee Stroub

CoCo James, Richard X Cunningham, & Spencer Blake, Salt Lake Community College

**2:45 Considering the Application of Diamond's (2003)
Biobehavioral Model of Romantic Love and Sexual
Desire to Men's Relationships**
Mark O Bigler, Weber State University

**3:00 Spaniards in Mormon Utah: Friendship and Amistad
are not Synonymous.**
Constanza Perez, Brigham Young University

**3:15 Role Expectations: Empirical Support for Ethical
Standards Pertaining to Interpersonal Relationships**
John T Ault, Southern Utah University

Session Three

Session Leader: Peter Kraus, UofU

Tanner Building Room 180

**3:45 Memory-texts and the Interdiscursive Construction
of Identity among the Khmer Diaspora**
Brandon Bales, Brigham Young University

**4:00 Inadequacies of DR-CAFTA: IIIIOEffects to Central
American Farmers from Continued United States
Protectionism**
Douglas A Peterson, University of Utah

**4:15 Pottery Moccasins: Authenticity, Identity and Just
Paying the Bills**
Linda Eaton, Weber State University

**4:30 Policing Like Fire: McGruff Can Learn Much from
Smoky Bear**
John Hill, Salt Lake Community College

4:45 Graduate Students in Action: Social Dialogue
Marti Morris & Daniel Poole, University of Utah

**5:00 Where are the Next Generation of Grant Writers
and Reviewers?**
Peter Kraus, University of Utah

Session Four

Session Leader: Rob Reynolds, WSU

Tanner Building Room 130

**2:45 Utah's Nuclear Identity: Sixty Years of Conflict
and Complicity**
Dynette Reynolds, University of Utah

**3:00 Beyond Compensation: Inadequacies of the
Radiation Exposure Compensation Act (RECA)**

Tori Ballif, Bob Goldberg & John Francis
University of Utah

**3:15 Water Scarcity in Israel and the Occupied
Palestinian Territories, or the Land of Palestine**
Julia S Templin, Utah State University

**3:30 What do the Neighbors Think? Views and Concerns
of Residents living near the Great Salt Lake**
Carla Koons Trentelman, Weber State University

**3:45 Contested Water: The Fluid Discourse in Utah
and the West**
Rob Reynolds, Weber State University

2:00 That Is Not What I Meant At All
Dustin Jackson, Dixie State College

**2:15 Pagen-Christian Conflict: The Nature of Hamlet's
Problem**
Hal Robert Boyd, Brigham Young University

**2:30 *Jane Eyre*: Healing from Emotional, Physical, Verbal
and Societal Abuse**
Janice Stringham LeFevre, Weber State University

**2:45 The Mirror Above the Bar: Self-Reflection and Social-
Inspection in Hemingway's "A Clean, Well-Lighted
Place".**
Kenneth W Marrott, Dixie State College

**3:00 The Search for an Authentic Voice: Zora Neale
Hurston and the Oral Tradition**
Rosie Mansfield, Dixie State College

**3:15 "This be an Empty World Without the Blues": Music
in August Wilson's Pittsburgh Cycle**
Corey Clawson, Utah State University

LETTERS - LITERATURE

Division Chair: Steve Peterson, Snow College

Session Leader: Steve Peterson

Tanner Building Room 270

LETTERS - PHILOSOPHY

Division Chair: Matias Martinez-Abeijon
Southern Utah University

Session Leader: Matias Martinez-Abeijon

Tanner Building Room 170

2:00 Prose vs. Poetry: Time and Rhythm in Literature

James W. Harrison, Southern Utah University

**2:15 Tracing Early Israelite Migrations through Linguistic
Patterns.**

Terry Blodgett, Southern Utah University

2:30 Searching for Identity in African Francophone Films:

Exil in Chocolat, Inch'Allah Dimanche and Rachida.

Christen Allen, Utah State University

**2:45 Blanca *So!*: Awakening the Peruvian Conscience
through the Eclipse of Literature**

Vanesa Webb, Utah State University

**3:00 Athletes aren't the only People Who Take Performance-
Enhancement Drugs: A Discussion of Drug Behavior
in Sports and Music.**

LeKeisha Ray, University of Utah

3:15 Double Agents in contemporary Latin American

**Fictionalizations of the Conquest: Carlos Fuentes'
El naranjo**

James Gustafson, Southern Utah University

PHYSICAL SCIENCES

**Division Chair: Jean-Francois Van Huele,
Brigham Young University**

Session One:

Session Leader: Jean-Francois Van Huele

Tanner Building Room 260

**2:00 New Utah Geology Resources for
General Audiences**

Bart Kowallis, Brigham Young University

2:15 Future Astronomical Research in Utah

J. Ward Moody, Brigham Young University

2:30 Rural Energy Strategies for Tight Budgets

A.C. Tripp, D. Drake, & M. Palmer, Utah State University

**2:45 Effective Medium Theory, Rough Surfaces, and Moth's
Eyes**

R Steven Turley, Brigham Young University

Session Two:

Session Leader: J. Ward Moody, BYU

Tanner Building Room 260

**3:00 OH Mega-MASER emission: studying the evolution
of a merger**

Victor Migenes, Brigham Young University

3:15 Neutron Star Cooling

Justin J. Giovannoni & Alexander M. Panin, Utah Valley
University

3:30 Refreshment Break

**4:00 Statistical Analysis of a Simple Model of the Virgo
Cluster through Use of an Adjusted Relativistic
Doppler Equation**

Brandon K. Wiggins & Brent A. Sorensen, Southern
Utah University

**4:15 Can a Planetary System Survive a Host Star Supernova
Explosion?**

Justin J. Giovannoni & Alexander M. Panin, Utah Valley
University

Session Three:

Session Leader: Lawrence Rees, BYU

Tanner Building Room 230

3:00 Non-Point Source Pollution in the Coal Creek

Drainage Basin

Shannon Force, Sam Huntsman, & Kim Weaver, Southern
Utah University

3:15 Measurement of the Half Life of Ionized Beryllium-7:

A Progress Report

Bryan G. Peterson, Grant W. Hart, M. Takeshi Nakata, Mark
A. Hutchison, & Jordan H. Stutz, Brigham Young University

3:30 Refreshment Break

4:00 Stimulating the FTICR-MS signal of a Beryllium-7

Ion Plasma

M. Takeshi Nakata, Grant W. Hart, Bryan G. Peterson
& Ross L. Spencer, Brigham Young University

4:15 Lithium Gadolinium Borate Crystal Scintillator for

Low Flux Neutron Detection

Steven C. Howell, Brigham Young University

Session Four:

Session Leader: Brent A Sorensen, SUU

Tanner Building Room 260

**4:30 EE in One, electronics engineering in one physics
lab course**

John Ellsworth, Brigham Young University

**4:45 A new perspective in teaching undergraduate
electromagnetic theory.**

Lawrence Rees, Brigham Young University

**5:00 Useful Momenta to Describe Charged Particles in
Electromagnetic Fields**

Adam Hall & Jean-Francois Van Huele, Brigham Young
University

**5:15 Single Photon x-ray Diffraction of what is the
“Size” of a Photon?**

Alexander Panin, Utah Valley University

**5:30 Quantifying Incompatibility: The Ramifications
of Extended Quantum Mechanics Uncertainty
Relations in Quantum Mechanics**

Nathan Steiger & Jean-Francois Van Huele,
Brigham Young University

4:30 Measurement of the Newtonian Gravitational

Constant Using Cavendish Torsion Balance.

Jeremy Redd & Alexander . Panin, Utah Valley
University

**4:45 Title Selective Growth of Silicon Nanowires for
Transistor Devices**

Jonathan Brame, Nathan Woods, Stephanie Getty,
Brigham Young University

5:00 An Ultra-stable 657 nm Diode Laser

Christopher Erickson, James L. Archibald, & Dallin
S. Durfee, Brigham Young University

5:15 Laser Amplification through Injection Locking

Daniel Merrill, Christopher Erickson, & Dallin Durfee,
Brigham Young University

5:30 Second Harmonic Generation of 423 nm Light

James L. Archibald, Jeremy Birrell, Rebecca Tang,
Chris Erickson, Landon Goggins & Dallin Durfee,
Brigham Young University

Session Five:

Session Leader: David D Allred, BYU

Tanner Building Room 230

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