

THE CHEMISTS CLUB

The University of Chicago
Newsletter #17 Summer 2001

FROM THE CHAIRMAN

David W Oxtoby, Dean PSD
and
James R. Norris, Jr, Chairman of Chemistry
invite you to a reception
in recognition of Department Alumni
Monday, August 27, 2001
6:30 p.m. to 8:30 p.m.
Kent Chemical Laboratory
1020 E. 58th Street.

This reception is designed to coincide with the ACS meeting at McCormick Place in Chicago. Complimentary bus transportation will be provided at 6:00 from McCormick Place Gate 27 to campus and, at 8:30, back to ACS host hotels. Complimentary campus parking is available in our new parking facility at 55th Street and Ellis Avenue.

Please let Mary Heagley know if you would like to "reserve" seat(s) on the bus. She can be contacted at:
mary_heagley@development.uchicago.edu.

This will be an excellent time to attend the ACS meetings and join us to meet old friends. Many people have already said they will come. Some have asked "where do I get an invitation?". Please consider this to be an official invitation. Tours of the labs and offices will be conducted. So, if you wish to bring back memories, or just want to see how things have changed - or not changed - come and visit us. We hope to see you in August.

UNDERGRADUATE STUDENT AWARDS

2001 Graduates Elected to Phi Beta Kappa in their third year
Jesse David Bloom **Claire Sigrid Jacobs**

2001 Graduates Elected to Phi Beta Kappa in their fourth year
Philip William Leonard **Gigi Y. Liu**
Todd M. Schlinder **Michael W. Schmitt**
David Wu

2002 Graduates Elected to Phi Beta Kappa in their third year
John David Gallagher

The Maroon Society, third and fourth year students invited to serve as an advisory committee to the Dean of the College and assist in the entertainment of visitors to the Quadrangles
Adrienne Maria Stauffer elected 1999-2000
Anne K. Pizzi elected 2000-2001

The American Institute of Chemists Foundation Student Awards,
for excellence in undergraduate studies of Chemistry
Philip William Leonard **David Dah-Wei Wu**

C.W. Chang Book Prize for excellence, in undergraduate studies
of Chemistry
Andrew Gregory Tennyson

Francis E. Knock Prize, for outstanding achievement in
Biological Chemistry
Jesse David Bloom

Francis E. Knock Prizes, for outstanding achievement in
Chemistry
Claire Sigrid Jacobs **Gigi Yuen-Gee Liu**

Jane Morton and Henry C. Murphy Awards, to students who have
worked to improve significantly the quality of University life
Anne Kristina Pizzi

Howell Murray Alumni Association Awards, to recognize
students judged outstanding for their leadership & contributions
to the vitality and creativity of student life on the Midway
Vandana K. Grover **Rachel S. Knipe**

Norman H. Nachtrieb Award for excellence in Undergraduate
studies in Chemistry
Jesse David Bloom

The F. & I. Scherer Memorial Undergraduate Research Award, for
outstanding achievement in research
Christopher Clough

The Sigma Xi Prizes for Excellence in Science, to Seniors who
have demonstrated outstanding achievement
Joseph Richard Becker

Paper: "A genetic approach to the investigation of the phenolic
receptor in *Agrobacterium tumefaciens*: Synthesizing a chiral
compound to be employed in a novel mutant selection"

Student Marshals 2000-01, exceptional academic records,
exemplary citizenship and student leadership are required
Omar Rizwan Ahmad **Jesse David Bloom**
Claire Sigrid Jacobs **Gigi Y. Liu**
Todd M. Schlinder **David Wu**

Student Marshals 2001-2002, exceptional academic records,
exemplary citizenship and student leadership are required
Kathryn Marie Lemberg

CONGRATULATIONS

BA AND BS RECIPIENTS

WINTER 2001

none

SPRING 2001

BA's

Esther Bit-Ivan¹ Heidi Mei Dambach ‡¹
Justin Jeremy Seidner ‡ Adrienne M. Stauffer ‡²

BS's

Joseph Richard Becker *‡ Sansanee Boonsalee
Jeffrey Jia-Hwei Chang ³ Lizette Olga Durand ⁴
Tara Ingrid Ellison ‡⁴ Garrett M. Frampton ‡³
Laurie Michelle Gay ‡⁴ Vandana Kaminie Grover ⁴
Shiu-Ki Rocky Hui ‡* Elizabeth Marie Jevitts ⁴
Chutima Jiarpinitnun * Mariam Mathew Kappil ‡⁴
Rachel Suzanne Knipe ‡* Ji Hwan Lee *
Philip William Leonard ‡* Yukiko Mishina *
Katrina Anne Oppen ‡ David Miguel Padua ‡*⁴
Michael William Schmitt‡⁵ Andrew Curtis Seidel ⁴
Helen Song ‡ Martin John Szafran ‡⁴
Barbara Joanna Wajvoda ‡⁶ Leon J. Wise ⁷

STUDENT MARSHALS

Omar Rizwan Ahmad ‡ Jesse David Bloom ‡
Claire Sigrid Jacobs ‡ Gigi Y. Liu ‡
Todd Matthew Schlinder ‡ David Wu ‡

‡ Graduated with General Honors, a GPA of 3.25 is required.

* Graduated with Honors from the Department, an Honors paper is required.

¹ Graduated with a double major in Chemistry and Biological Sciences

² Graduated with a double major in Chemistry and South Asian Languages and Civilizations

³ Graduated with a triple major in Biological Chemistry, Chemistry and Biological Sciences

⁴ Graduated with a double major in Biological Chemistry and Chemistry

⁵ Graduated with a double major in Chemistry and Mathematics

⁶ Graduated with a double major in Chemistry and Economics

⁷ Graduated with a double major in Chemistry and Physics

M.S. RECIPIENTS

WINTER 2001

Kristina D. Kitiachvili Guohui Wu

SPRING 2001

Philip William Leonard

Ph.D. RECIPIENTS

WINTER 2001

Delmar Scott Larsen (Fleming) *Investigation of Non-Dipolar Solvation Dynamics*, Postdoc, Dept. of Physics and Astronomy, Free University of Amsterdam, The Netherlands.

Brad D. Prutzman (Berry) *Two Photon Electron Detachment Processes*, Lehigh Carbon Community College [only full time science faculty member at Lehigh].

Moonsub Shim (Guyot-Sionnest) *Chemical Strategies Towards Understanding Electronic Processes in Zero-Dimensional Materials*, Postdoc, Stanford University.

Muhammad Naveed Yousaf (Mrksich) *(I) Physical Organic Studies of an Interfacial Diels-Alder Reaction: (II) Designing Electroactive Substrates for Studies of Cell Adhesion/Migration*, Postdoc, Harvard University.

SPRING 2001

Shuwen He (Rawal) *1. Highly Diastereoselective Asymmetric Thio-Claisen Rearrangement 2. Total Synthesis of Strychnos Alkaloids*, Senior Research Chemist, Merck.

Christian David Hodneland (Mrksich) *The Design of Methods for Controlling the Interactions of Proteins and Cells with Surfaces*, Senior Scientist, Surface Logics, Brighton, MA.

Benjamin Thomas Houseman (Mrksich) *Model Substrates for Mechanical Studies of Cell-Matrix Interactions*, Student, Pritzker Medical School, University of Chicago.

Yan-Yeung Luk (Mrksich) *I. Bio-Inertness and Stereochemical Control of Cell Adhesion on Chiral Surfaces & II. Surface Chemistry of Self-Assembled Monolayers and Nano-Colloids*, Postdoc, University of Wisconsin, Madison.

Benjamin John McCall (Oka) *Spectroscopy of H₃⁺ in Laboratory and Astrophysical Plasmas*, Postdoc, University of California, Berkeley.

UNDERGRADUATE STUDENT FELLOWSHIPS

The Churchill Scholarship
Jesse David Bloom

Medical Scientist Training Program Fellowship
Claire Sigrid Jacobs

National Science Foundation Research Fellowship
Jesse David Bloom

THANK YOU TO THE CHEMISTS CLUB DONORS

over \$1,000	Andrew F. Stehney Δ	50	Mark Kobrak \clubsuit	97
	Martin Steinberg	49	David Kritchevsky SM	42
\$500 - \$999	Cheves Walling	39	Frank L. Lambert	42
Eugene Brown	Sol Weller	41	Patrick Phelan	71
			Roman A. Schmitt \S	53
			Willard R. Sprows	38
\$100 - \$499	UNDER \$100			
Thomas J. Clark SM	55	Robert Baime	SM	61
Roger K. Graham	53	Dutch Chung \clubsuit \dagger	BS	92
Dieter M. Gruen	51	Ralph Fearing	SM	43
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Charles M. Herzfeld	51	Wayne B. Hadley		54
Joseph L. Katz	63	Leo Hohnstedt		55
William Klapproth, Jr*	49	John P. Hunt		50
Arthur A. Krawetz	55	Melvin D. Hurwitz SM		42
John C. Martin	78	Donald J. Kahn *		57
James L. Rowe *	46			

FORMER POST-DOCS

Keita Tani Eaton

* = matching funds

\clubsuit = Closs Fund

\dagger = Joan Shiu Fund

\S = Sugarman Fund

Δ = in memory of Archie

Wilson

A REMINDER TO ALL OUR GENEROUS FRIENDS:

Many of you are eligible to have your donations matched by present or past employers, as well as your spouse's employer. [A double match may be possible!]

We beg you to please enclose a matching fund form. In past years we have literally "lost" many, many thousands of dollars in unmatched funds.

Thank you for remembering us two ways - with your donation and its match

GRADUATE STUDENT AWARDS

The American Institute of Chemists Foundation Student Award,
for excellence in graduate studies of Chemistry

Seth Darling

The Chemistry Best Thesis Award in Organic/Inorganic
Chemistry

Benjamin Thomas Houseman

The Chemistry Best Thesis Award in Physical Chemistry

Jong-in Hahm

The Gerhard Closs Teaching Award in Organic Chemistry

Jelena Janjic

The Albert J. Cross Prize, to a graduate student in Chemistry for
excellence in research, teaching, and departmental citizenship

Wendy Ryan

The Everett E. Gilbert Memorial Prize for the Best Third Year
Experimentalist in Organic Chemistry

Andrei Vorogushin

The Elizabeth R. Norton Prize, for excellence in research in
Chemistry

Christian David Hodneland

The Helen Sellie-Beretvas Female Graduate Student Award, to
encourage excellence in Chemistry

Trilisa Perrine

The Joan Shiu Chemistry Department Service Awards, given by
students to their peers in recognition of significant
participation in departmental activities

Ajay Gopal

Rory Melenkivitz

The Nathan Sugarman Memorial Chemistry Awards, for
excellence in teaching Chemistry laboratory sections

Maria Krisch

Mustafa Demirplak

The Nathan Sugarman Physics Awards, to graduate students in
Physics or Astronomy & Astrophysics for excellence in
research done at the Enrico Fermi Institute

Benjamin John McCall

RESEARCH PROJECT: Observational Studies of H+3: the
Discovery of Abundant H+3 in the Diffuse Interstellar Medium

The Sugarman/Closs Teaching Award in Advanced Chemistry
Courses

Tahllee Baynard

GRADUATE STUDENT FELLOWSHIPS

ARCS Foundation Scholarship in the Sciences
Andy Goshe

The Sigma Xi Grants-In-Aid Research Awards
Benjamin John McCall

ALUMNI NEWS AND KUDOS

Ellis K. Fields - 38*Morris Kharasch*

Grandson, Gabriel Drew Carroll (18) who attends Oakland (California) Technical High School has won third place in the National Intel College Scholarship Awards. His Mathematics project "Homology of the Narrow Partially Ordered Sets (Posets)" won him \$50,000. The Intel Awards, formerly the Westinghouse Science awards, are America's oldest and most prestigious precollege science competition. They are often called the Junior Nobel Prize awards, and challenge more than 1,500 high school students throughout the country to create and solve complex mathematical and science problems.

Frank L. Lambert - 42*Morris Kharasch*

My new www.shakespeare2ndlaw.com is what C.P. Snow should have told his audiences [briefly!]. It's a bridge to your friends in the humanities: to surprise them by the relevance of concepts from chemistry every moment of their lives, namely, how activation energies protect them from disastrous second-law predictions coming true immediately.

David Kritchevsky - SM 42*Weldon Brown*

I received an honorary doctorate from Purdue University on May 13, 2001.

I have been named a fellow of the American Oil Chemists' Society.

Dieter Gruen - 51*Clyde Hutchison*

I have been awarded the 2000 MRS Medal, and the NU Merit Award

Gregory Hedden - 51*Weldon Brown*

I did volunteer work as a free lance linguist and a lot of scientific and medical work before and after retiring. I have made a good recovery from a mild heart attack.

Charles M. Merzfeld - 51*Clyde Hutchison*

I consult for DARPA, Los Alamos, Sandia, Northrop-Grumman. I am a member of the Presidents Information Technology Advisory Council [National Security Panel]. For amusement I scuba dive and do underwater photography.

Mark Kobrack - 97*Stuart Rice*

I am currently a post-doc at Pennsylvania State University. When I finish in August, I will move to New York to begin an Assistant Professorship at Brooklyn College of the City University of New York. BC happens to be the alma mater of my graduate advisor, Stuart Rice. I became a father December 4, 2000, when my wife Marcy gave birth to our son Jacob.

Kerry L. Dutkus - AB 97

I just finished my master's degree in environmental Engineering at Rensselaer Polytechnic Institute. While at RPI I was elected into membership in Tau Beta Pi, the engineering Honor Society.

Brent Krueger - 99*Graham Fleming*

I started in the fall of 2001 as an Assistant Professor in Chemistry at Hope College, just around the lake in Holland, Michigan.

Shahid Murtuza - PD 1999-2000*Richard Jordan*

I have recently moved to the Albany, NY area, where I am currently on an eight month assignment in the silicones business at GE Plastics. After these eight months in the Fluids and Intermediates Division, I'll do two more rotations within Plastics.

MISCELLANEOUS

Please change my address in your files from

Dr. Jonathan Q Public
1234 East Main Street
Anywhere, USA

to

Dr. Jonathan Q Public
P. O. Box 78910
Anywhere, USA

Our dog was scaring the postman, who refused to deliver mail to our address. To circumvent the problem, we are now renting a post office box.

[n.b. Actual name and address changed by the editor to protect the dog and its owner.]

IN MEMORIA

John Meiler

October 10, 2000
