

KSC

Chemistry News

August, 2001

<http://www.keene.edu/programs/chem>

ATTENTION CHEMISTRY

ALUMNI*FACULTY*STAFF*LYCEUM*NEW STUDENTS

There will be a **Chemistry Barbecue at the College Camp next to Wilson Pond on Rt.12., 3 miles south of town near the airport on Sunday, September 9, 2001 1-5 PM.** We hope to bring together new incoming prospective chemistry majors with upper level majors supported by the chemistry faculty, chemistry staff and alumni with their families and guests. Any alumni that will be in the area that weekend are encouraged to participate and meet your "old" friends and professors and possible talk to prospective new freshmen and current majors interested in careers in chemistry. I am sure by sharing your insight and experience you will help them to come on board and connect with the "outside world" of chemistry practice. In order to get a ball park head count, it is requested that you either *email or send a post card indicating your planned attendance including your name, graduating class, address, phone number and email, to the Department Chair, Jerry P. Jasinski, Chemistry Department, 229 Main Street, Keene, NH 03435-2001 (jjasinski@keene.edu) by September 1, 2001.* I hope to see everyone there. Dr. J

Letter from the chair....

Since this is the first Chemistry Newsletter to have been produced by the Department, we send best wishes for the new year from the faculty, staff, and students of the Chemistry Department! If your aren't already aware, Science Coordinators were replaced by Department Chairs in 1999 and I was elected to become the first Chair of the Department. Now entering my third year in that role, I am making my initial effort at putting together this inaugural newsletter to summarize what has been happening over the past few years on our beautiful campus.

It has been an exciting time over the past 3-4 years in the department, with several important developments on both the teaching and research fronts. One of our new faculty members, Dr. Sally Jean, was fortunate to receive monies to develop new courses for prospective elementary

and middle-school science teachers. Support for summer undergraduate research students was received from a grant from the Petroleum Research Fund of the American Chemical Society and carried out in Jerry Jasinski's laboratory over the past three summers. This summer two of our current undergraduates were fortunate enough to obtain National Science Foundation funded summer research experiences at Clemson University and at the University of California, Los Angeles. And there has been word from the State of New Hampshire, that the College will be getting funds for the planning stage of a proposed \$20 million dollar expansion and renovation of the Science Center in the near future.

Keene State was the host site for the 100th Anniversary of the New England Association of Chemistry Teachers Association during the summer of 1999. The numerous speakers and attendees from the entire northeast were treated to an outstanding week-long event and hospitality. The entire event was headed up by Steve Stepenuck (President of NEACT at the time). His leadership and the support of the entire department was instrumental in making this one of the most memorable events undertaken by the department in many years.

The Department underwent its first program review in 1999 and come out in pretty good shape overall. There were major changes in the BS Chemistry Degree, an option for certification in teaching chemistry in the BS Chemistry/Physics Degree and a new BS Degree in Physical Science added to accommodate middle/high school teachers of physical science.

The Department has seen a fair amount of change over the past three years. Dr. Sally Jean was brought on board in 1999. Her teaching and research interests are in secondary science education and analytical chemistry respectively. It appears that her research focus will be directed toward inquiry-based science teaching methodology and practice and looks to be an exciting addition. Dr. Denise Junge came to Keene State as a Faculty in residence during the 2000-2001 academic year and has just been promoted to a tenure-track position as an Assistant Professor for the upcoming year. Her teaching interests are organic chemistry area and will include offerings in polymer chemistry as well as assisting with the General Chemistry, Fundamentals of Chemistry and Chemistry Seminar courses. Her research is in the preparation and characterization of dendrimers that exhibit photoresponsive behavior.

I look forward to telling you more about our accomplishments and giving you details on all of our faculty members research activities at our *Chemistry Barbecue in September* outlined above. Drop me a line and we'll include news of your activities. An if you're planning to visit Keene, please give me a call (603 358-2563). I will enjoy showing you around the department and checking out our many top of the line instruments including the FT-NMR, FT-IR, x-ray Diffractometer, GC and lasers to mention a few. Again, thank you for your support throughout the year, which allows us to accomplish so many of our goals in working with talented undergraduates.

Sincerely,

Jerry P. Jasinski
Professor and Chair

Faculty News

Rich Blatchly continues to enjoy teaching mostly organic chemistry. With the addition of Dr. Junge to the department, he has been freed up to explore other courses, such as Medicinal Chemistry (Spring '01) and Biochemistry (Fall, '01). A fractional sabbatical leave in the Fall of 1999 led to a collaboration with Morgan Conn of Amherst College, doing solid-phase and combinatorial synthesis. This collaboration has produced an even dozen interesting compounds, which await testing for binding to an RNA fragment called TAR, and inhibition of HIV infection. He also enjoys adding web resources to the material for organic courses (see "<http://wcb.keene.edu/~rblatchly/KSCOrganic.html>") and has shared his expertise in molecular graphics with high-school teachers in two workshops. In his spare time, he enjoys pretending he can keep up with his wife's schedule, his daughters' friends, and his springer spaniel.

Jerry Jasinski continues to enjoy teaching in the general/physical/inorganic/crystallography areas. In 1999 he became the first Chairman of the Chemistry after the College replaced "coordinators" with Department Chairs. He is now in his third year in that role. During the past year Jerry and his summer '00 ASC-PRF research student, senior, Daniel Crosby, presented poster papers on their work entitled "Crystallography of Laser Dye Clusters" at the 1st KSC Academic Excellence Conference, on March 31, '01 and at the 30th American Chemical Society Northeast Regional Meeting (NERM) in Durham, NH on June 26, '01. This was a culmination of a two-year grant from the Petroleum Research Fund of the American Chemical Society in support of his research project on Laser Dye Molecules. His next love, as assistant coach of the KSC Track & Field Team, has given him another fun-filled and successful year as numerous records on both the men's and women's sides have been broken and 4 more national champions were crowned. His web site summarizes it all (<http://keene.edu/ksc/homepages.htm>).

Sally Jean joined the Chemistry Department in 1999 and comes to us from the University of Connecticut where she received her MS and Ph.D. degrees in Analytical Chemistry. Prior to her master's and doctoral studies she experienced many years of teaching at the high school (Simsbury High School, Simsbury, CT and Tolland High School, Tolland, CT) and junior college level (Manchester Community-Technical College, Manchester, CT). This has led her to her current position as an Assistant Professor of Chemistry and Science Education. She has taken over the secondary science methods courses at KSC as well as supervision of the secondary science teachers in addition to participating in the Intro to Chemistry, Analytical Chemistry and Instrumental Chemistry course assignments. Sally made a wonderful presentation at the KSC "Women in Science" symposia this spring focused on "Inquiry-Based Science", a thrust that she is spearheading on the KSC campus.

Denise Junge (pronounced 'Young') joined the Chemistry Department as a Faculty in Residence (FIR) during the 2000-2001 year after graduating from the University of Connecticut with her Ph.D. in Organic Chemistry under Professor Dominic McGrath and two years of Post-Doctoral Research at the University of Illinois under Professor Steven C. Zimmerman. This year she taught Organic Chemistry I, Polymer Chemistry and Fundamentals of Chemistry. Denise is looking forward to her new position as an Assistant Professor of Chemistry in a tenure track slot and adding to her successful teaching year with the starting up of her research project involving the preparation and characterization of azobenzene-containing dendrimers which exhibit

photoresponsive behavior upon exposure to ultraviolet light, designing various dendritic switches containing these materials and investigating the chiroptical properties of a series of chiral dendrimers. Denise presented her research interests to the KSC "Women In Science" symposia earlier this spring with a talk entitled "Driving Dendrimers With Light".

Steve Stepenuck continues as the senior member of the department teaching his specialty areas of Quantitative Analysis, Chemical Analysis of the Environment, Environmental Seminar, OSHA and Instrumental Analysis. Last year he took a 6-month sabbatical and learned how to use the WEB in delivering his courses in collaboration with Dr. Bill Vining at UMASS-Amherst. He presented his work at the NERM conference at UNH in Durham, NH on June 27, '01 with a talk entitled "Teaching Environmental Chemical Analysis Using Case Histories and the Web". This summer, he traveled to Bartow, West Virginia where he was invited to participate for the second time in the National Youth Science Camp giving a "directed study" [research enrichment experience] to some of the students there.

Department News

Judi Davis (B.S., '72, Pacific Lutheran University, Tacoma, WA) has been the teaching and laboratory coordinator specializing in the instruction of freshman-level chemistry laboratories and recitations, coordinating laboratory supply and equipment purchases and producing computer laboratory modules for use in the General Chemistry and Fundamentals of Chemistry labs since her arrival on campus in 1982. She continues to provide that "glue" to help keep the department on target with her many duties that support many of the majors and service courses offered by the Department.

Robert Lammela (BED, '62, MED, '75, Keene State College) came to the Chemistry Department as our Chemistry Assistant in 1999 after retiring from 23 years as a Chemistry Teacher at Keene High School, Keene, NH. He taught prior to that at Walpole Middle School (3 years), Marlboro High School (2 years), and Fall Mt. Regional High School (7 years). Bob has been in charge of maintaining our chemical inventory and satellite waste storage areas, repairing and maintaining equipment and instruments, assisting with general lab setups and preparing solutions and mass reagents for lab classes as needed. He has been an invaluable aid to all members of the Department and does so in a most pleasant and unassuming manner. His experience and wisdom continue to be most appreciated by everyone. We look forward to many more years of his expertise and assistance.

Tom Whall (Chesterfield, NH) has been a part-time specialist performing unique types of project support and instrument repair for our upper level laboratories. We look forward to his continued association and support in the future.

Mike Thevenin (BS, '97, Keene State College), our Chemistry Assistant from 1998-1999 has recently accepted a position at Cornell University in the Information Technology area. Mike was an outstanding assistant to our department. We wish him well in his new career endeavor.

Adjunct Faculty: The following have served and will serve the Department in exemplary fashion over the past several years in the capacity of adjunct teaching faculty; *Robert Bowblis* (Intro to Chemistry, Industrial Chemistry), *Jessica (Kyle) Dennis* (General Chemistry I & II), *Tom Lewis* (Intro to Chemistry), *Clarence Pfluger* (Fundamentals of Chemistry), *Ed and Carolyn Stasko* (Organic Chemistry).

Retired Faculty: **Robert Miller** (and his wife Joan), Assistant Professor (Industrial Chemistry), 1983-91, currently lives Keene, NH at 14 Colby Street.

Thomas Neil, Professor (Organic Chemistry), 1965-90, currently lives in Orem, UT.

Teaching Assistants: Over the last five years, the following have served as teaching assistants in the General Chemistry and Organic Chemistry labs in most noteworthy fashion: *David Keene*, *Jessica (Kyle)Dennis*, *Juan Cueva* and *Victor Jezza*.

Summer Undergraduate Research Experiences: **Daniel Crosby** (Sr, BA, Chem & BS, Geology) was awarded a 2000 Summer Petroleum Research Fund of the American Chemical Society (ACS-PRF) Undergraduate Research Fellowship at Keene State under the direction of Dr. Jasinski. His research results were aptly displayed as poster papers presented at the first Academic Excellence Conference on March 29, 2001 at KSC and at the 30th American Chemical Society Northeast Regional Meeting (NERM) in Durham, NH on June 26, 2001. Two or three papers are expected to be published from this work.

Juan Cueva (Jr., BS, Chem.) is spending the summer at the Chemistry Department at UCLA under the direction of Professor Richard B. Kaner, University of California, Los Angeles as part of a NSF sponsored 10 week Summer Research Program in Solid State Chemistry in which the participants join one of numerous academic or industrial laboratories. The program, coordinated through Clemson University (<http://chemistry.clemson.edu/nsfsrpssc.html>), provides research experiences to talented upper level undergraduates in the area of solid state chemistry with all stipends and travel expenses paid for by NSF. Juan was one of 15 awardees from over 80 candidates accepted into this year's program. He is studying in the areas of "Separation of enantiomers using conducting polymers", and "Rapid solid state synthesis of nitrides and nanotubes."

Ryan Harrington (So, BS, Chem.) finished a Coop Experience at Vermont Yankee Power Corporation during the first half of the summer. In July he will travel to Clemson University to complete a 6-week program in Nuclear Chemistry sponsored by the NSF.

Alumni News

Sam Apakarian (BS, '97) has been employed for the past few years as a Chemist at the Markem Corporation, Keene, NH.

Bob Bowblis (BS, '92) was promoted to Research Chemist at the Markem Corporation, Keene, NH where he has been employed for the past decade.

Joe Bourassa (BS, '85) was last known to be employed by the Vermont Yankee Nuclear Power Corporation, Vernon, VT.

Benjamin Brown (BS, '89) has been employed by the Markem Corporation for the past decade or so.

Jeffrey Brum (BS, '87; Ph.D., Tulane University, Texas, '95) was last known to be employed by a government lab in the Washington, DC area.

Ora (Holcomb) Carter (BA, '97) is currently finishing her Ph.D. in Plant Biochemistry at Washington State University, Pullman, WA. She is considering a career in college teaching.

Ian Christopher (BS, '97) visited the Department earlier this spring and indicated that he was working for RHEOX, Inc., Hightstown, NJ as a Technical Service Representative.

Mike Choquette (BS, '91) and **Terry Jutras** (BA, '90) were married several years ago and have been working for Surgical Sealants, Inc. for the past couple of years.

Jennifer Comstock (BS, '86) was last known to be employed by the Portsmouth Naval shipyard, Portsmouth, NH.

Terry Connors (BS, '01) is a chemist at the Markem Corporation, in Keene, NH where he has been employed for the past several years.

Jason Crooks (BA, '96) was last known to be in the Peace Corps in South America.

Jay Crystal (BS, '83) is still the proud owner and operator of Chemserve, Milford, NH.

Josh Cummings (BS, '98) and **Daniel Crosby** (BA, '01) are currently working in the "Big Dig" area around Boston for Severn Trent Envirotest, a Division of Severn Trent Laboratories, Inc., Westfield, MA.

Jessica (Kyle) Dennis (BS, '98) is currently employed by the Markem Corporation, Keene, NH.

Heather Defoe (BA, '85) was last known to be employed by the Tufts Medical Center, Medford, MA.

Kelly Elkins (BA, '97) is currently in her fourth year in the Biochemistry Ph.D. program at Clark University. She has recently been granted a Fulbright Research Fellowship to complete her degree requirements at the University of Heidelberg, Heidelberg, Germany for the 2001-2002 academic year.

Gary Evans (MST, '86) has been teaching middle school science for the past few years at the Hillsborough-Deering High School, Hillsborough, NH.

Sonja Fetela (BA, '94) reports that she was leaving Polyonics, Westmoreland, NH to take a position as a senior development chemist in the ink's industry in GA.

David Fortier (BS, '98) is currently a chemist with NeoResins US, Wilmington, MA.

Ann (Hill) Fretag (MST, '87) has been teaching chemistry and physics at Hinsdale High School for the past twelve years. Ann is congratulated for being the recipient of the American Institute of Chemists (AIC) outstanding chemistry teacher award in the state of New Hampshire for the year 1999.

David Geissler (BS, '96) is enjoying life as a synthetic chemist for the Strem Chemical Company, Newburyport, MA. See his picture featured (first page of article) in C & E News (7/9/01, p 65; <http://pubs.acs.org/cen/coverstory/7928/7928finechemicals.html>)

Graham Gitchell (BS, '97) is currently a chemistry/physics teacher at Keene High School, Keene, NH where he has been teaching for the past four years.

Paul Graff (BS, '80) and Steve Allen (BS, '84) were both last known to have finished Medical School at Dartmouth College in the mid to late '80's.

Patrick Gwinn (BS, '88) was last known to be employed by Metcalf & Eddy, Burlington, MA.

Rick Heathwaite (B.S., '99) is currently a staff chemist for the Vermont Yankee Nuclear Power Corporation in Vernon, VT where he has been employed for the past year.

Heidi (Wright) Hill (BA, '99) is currently employed by the Markem Corporation in Keene, NH.

Paul Kaiser (BS, '83; Ph.D. Vanderbilt, '97) is currently an Associate Professor of Chemistry at the US Naval Academy, Arlington, VA.

David Keene (BA, '97) visited the campus recently and informed us that he is returning to the Flagstaff, AZ area after a year of working in Atlanta, GA. He completed his MS degree a year ago at the University of Northern Arizona in Flagstaff and is looking for employment in that area.

Edward King (BA, '91) and **Leslie Loberant** (B.A., '93) were recently married after they both completed their residencies and finished requirements for the MD degree at the Philadelphia School of Medicine, Philadelphia, PA. last year.

Richard Larson (BS, '90; Ph.D., UMASS-Amherst, '99) is currently Chief Chemist at the Markem Corporation, Keene, NH.

Joe Laughton (BS, '89) was last known to be employed by the Handex, Corporation in southeastern, MA.

Gale Lawrence (MALS, '85) was last known to be working for the Uniroyal Corporation, in Nagautuck, CT.

Kristie Legassie (BA, '97) is enjoying life working for the Disney Corporation in a variety of Disney roles. Her activities have taken her from Orlando, FL to Japan where she has continued her activities there recently.

Yu Li (BA '96) is currently working towards his Ph.D. in biochemistry at Brandeis University in Waltham, MA.

Scott Lindberg (BS, '95) visited the Department last fall and indicated that he was still with the IVEX Packaging Corporation, Newton, MA.

Sean Mackey (BS, '91) was last known to be employed by Knoll Pharmaceuticals, in NJ.

Christopher Marrinan (B.A., '88) is currently with Pharmacia LKB Biotechnology, Inc., Piscataway, NJ.

Mark Morse (BA, '88) was last known to be employed in the Environmental Laboratory area by the State of Vermont, Montpelier, VT.

Cynthia Myhaver (BS, '92) and **Jeb Evans** (BS, '87) have last been known to be employed by Simms Portex, Keene, NH.

Alan Naber (BS, '87) is a chemist at Geo-Serve, Milford, NH.

Mark Newton (BS, '87; Ph.D., University of Texas at Dallas, '94) worked for several years with a chemical firm in Florida before relocating to the Manchester, NH area where he was last known to be employed by a small chemical firm.

Mike Ozenich (BS, '87) is last known to have been employed by Eastern Scientific Corporation, in southwestern, CT.

Ernest Paight (B.S., '90) has returned to the Pfizer Corporation, Groton, CT, as a research chemist after a short stint with a different pharmaceutical company in the Chicago, Ill area.

Kathy Pittaway (BS, '83) was last known to have completed Medical School at the University of Vermont in the late '80's.

Martha Poirier (BS, '86) was last known to be employed by the Roy Weston Corporation, Burlington, MA.

Roman Pozdniakov (MAT, '92) was last known to be employed by the OLIS Instrument Corporation, Athens, GA.

Seth Reed (BA, '00) has been accepted into the graduate program at the University of North Carolina at Wilmington with a Research Assistantship. He will be starting in the fall '01. He spent the past year working for a Biotech Corporation in West Lebanon, NH as a biotech research assistant.

Chuck Renner (BS, '86) and **Carol Klaski** were both last known to be employed by Chemserve, Milford, NH.

Sherri Smith (BS, '89) and **Steve Zidek** (BS, '94) have last been known to be employed at UPACO, Nashua, NH for the past decade.

Brian Spanglo (BS, '80; Ph.D., The George Washington University, '86) is a Professor of Chemistry at the University of Nevada, Las Vegas, Las Vegas, NV. He has received a NIH Traineeship National Research Award ('86), an NIH Fellowship and National Research Service Award at the University of Virginia ('86 and '87-'88). His expertise is in the biochemistry area and focuses on the identification of intracellular signaling transduction systems utilized by cytokines during the activation of the neuroendocrine system and with the mechanism of interleukin-6 synthesis and release in the hypothalamic-pituitary axis.

Michael St. Martin (BS, '93) was last known to be employed as a chemist by Bradley Labs, Brattleboro, VT.

Chris Taucher (BS, '87) is the Eastern Division Manager associated with Pulp & Paper Chemicals for the Houghton International, Inc., Scarborough, ME.

Travis Wakefield (BS, '00) is currently working at Omega Optical in Brattleboro, VT as a research scientist where he has been working for the past 2-3 years in various capacities. His occasional visits to the Chem. Department are a welcome event.

Jeff Webb (BS, '00) is currently working towards his Ph.D. in chemistry at the University of New York at Stony Brook, Stony Brook, NY..

Bruce Whitman (BA, '99) has been employed as a chemistry/physics teacher at Thayer High School in Winchester, NH for the past year.

Jonathan Whittum (BA, '95) completed his MS in engineering at the University of New Hampshire recently.

Larry Wight (MAT, '92) has been serving as the Principal of Newport Jr./Senior High School in Newport, NH for past three years.

Randy Wint (BA, '87) was last known to be teaching chemistry and biology at Pinkerton Academy, Derry, NH.

Rich Woudenberg (BA, '92) has settled in as a research chemist with the Markem Corporation in Keene, NH, after a short stint in the graduate program in chemistry at the University of New Mexico, Albuquerque, NM.

*If anyone has information on the following KSC Chemistry Alumni it would be appreciated:
(email the Chair: jjasinski@keene.edu)*

Deb Weston, Phillip Peri, Charles Miller, Thatcher Lyle, Bruce Frank, Phil Pitts, Susan Mirante, Chris Stevenson, Robert Andosca, James Corton, Bob Carter, Jim Banks, Chris Fagourie, Karen Young, Glenda Gage, Lisa Gesmndo, Cathy Thompson, Jessica Jordon, Jennifer Underwood, Robert Carter, Laura Collings, Michael Ogg, Jim Rolke, Kathy (Barry) Sheehan, Chris Flood, Michelle Hebert, Mark Januskiewicz, Jonathan Green, Mark Shimmel, Brian Wagner, Martin Dombroski, Robert Dansiewich, Lisa Gesmundo, Ron Severson, John Watt, Phil Chapman, Mark Gilbert, Jim Newcomb and Patricia Rodriguez, Robert Brown, Edward Dardon, Kevin Finnegan, Douglas Martinez, Sean Mackey, Karen Schlichter, Joe Skendarian, Louis Drozd, Cynthia Myhaver, Andrew Paradis, Jennifer Wehner, Carl Beebe, Jennifer Bendiske, Jim Rolke, Michael St. Martin, Valentine Vullev, Brian Deneau, Peter Dickson, Daniel Grummon, William Mahany, James Stewart, Steve Zidek, William Chevalier, Ed Taylor, Justin Thibault, Jason Crooks, Heather Hall, Ann Keleher, Krya Kozak, John Letendre, Crystal Podalsky, Zois Tsekas, Jason Barrett, John Guthrie, Ora Holcomb, James Quinlan, Asa Bagshaw, Candice Walsh, Crystal Alosa, David Kirkman, Dzintars Alksnitis, Victor Jezza, Thy Nguyen and Eden Vinyarszky.

In the News

Keene State honored *Jerry Jasinski* as the first recipient of the KSC Award for Faculty Distinction in Research and Scholarship on May 10, 2001 at the Celebration of Teaching Excellence Dinner in the student center. Since he began teaching at Keene State in 1979, he has published 75 papers in major scientific journals. Jerry looks at the award as both an honor and justification for his approach to scholarship and teaching. In his view teaching and scholarship can't be separated. He believes that it's possible to integrate both by involving the students in the research. More than 50 students have worked with Jerry the past 19 years, and during the past seven years he has co-authored with undergraduates 39 published papers and 20 presented research papers. "Dr. Jasinski's career at Keene State has been a model for both his students and his colleagues," said Robert Golden, Vice President for Academic Affairs. "He exemplifies the values of hard work and persistence and demonstrates the balance between teaching and research that the College prizes in its faculty." Jerry believes that the award will add to the pursuit of scholarly research at KSC. "It gives Keene State the chance to assert a more scholarly view of the College," he said.

Congratulations are in order to *Sally Jean* who, as the principal investigator, spearheaded the successful National Science Foundation grant entitled "Project INSPIRE: Investigations in Science for Pre-Service Teachers: Promoting and Providing Inquiry-Based Relevant Exercises"

to develop new courses for prospective elementary and middle-school science teachers. She will administer this grant over the next 3 years with the assistance of Dr. Frederick Wolf and Dr. Russell Harkay, from the Physics Department and co-principle investigators on the grant.

Congratulations are in order to *Steve Stepenuck* for his tremendous effort in heading up Keene State as the host site for the 100th Anniversary of the New England Association of Chemistry Teachers Association during the summer of 1998. The numerous speakers and attendees from the entire northeast were treated to an outstanding week-long event and hospitality. As the President of NEACT his leadership in this event was superb. Thanks also go out the rest of the Department for their unending support and making it a most memorable event.

In 1999-2000 the Chemistry under went its first program review and came through in great shape thanks to a coming together and unity within the department. *Rich Blatchly* provided outstanding support with his organizational skills and database management expertise. Outside reviewers visited the campus from UMASS-Amherst (Dr. Beatrice Botch) and St. Anselms College (Dr. Derk Wierda). As a result of this review, the Department renumbered many of its courses and replaced the BS in Industrial Chemistry major with a more traditional but flexible BS in Chemistry that allows for more research to be included in a students senior year and gives more options for students to focus their studies in a professional mode with fewer credits than the “old” major. In addition, it lines up with an ACS approved major in chemistry, something that the Department has been striving for over the past several years. In addition, an option to make students certifiable to teach secondary school chemistry and physics (optionally) was added to the BS in Chemistry/Physics. Also, a new BS degree with a major in physical science was added to address the needs of middle school physical science teachers.

Chemistry Awards

CHEMISTRY DEPARTMENT UNDERGRADUATE AWARDS HISTORY

<u>YEAR</u>	<u>CHEMICAL RUBBER CO. (CRC)</u>	<u>AMERICAN INSTITUTE OF CHEMISTS (AIC)</u>	<u>KSC CHEMISTRY FACULTY AWARD</u>	<u>KSC CHEMISTRY SPECIAL ACHIEV. AWARD</u>
2001	Gene Garcia	Daniel Crosby		Terry Connors
2000	Amber LeClair	Travis Wakefield	Seth Reed	
1999	Juan Cueva	Bruce Whitman	Heidi Wright	
1998	Amy Piispanen	Candice Walsh		
1997	Charles Dib	Kelly Elkins	Kelly Elkins	
1996	Travis Wakefield	Yu Li	David Geissler	
1995	Kimberly Pond	Edward Taylor	Scott Lindberg	William Chevalier
1994	Leonard Kinney	Daniel Grummon		
1993	Jill Simonson	Leslie Loberant	James Rolke	
1992	William Chevalier Jr.	Robert Bowlblis	Jennifer Wehner	
1991	Susan Rolke	Sean Mackey	Michael Choquette	
1990	Edward Taylor	Ernest Paight	Terry Jutras	
1989	Joseph Skenderian	Benjamin Brown	Joseph Laughton	
		Sherri Smith		
1988	Jennifer Underwood	Patrick Qwinn	Mark Morse	

1987	John Curran	Kathleen Barry Jeffrey Brum	Christopher Tausher
1986	Jeffrey Winterling	Martha Poirier	Jennifer Comstock
1985	Glen Pocock	Michael Ogg	Heather Defoe
1984	David Morier	Charles Miller	Mary Anne Halligan
1983	Charles Miller	Jay Crystal	Paul Kaiser
1982	Paula Quatromoni	Gregory Lawrence	
1981	Francis Sheehan		
1980	Barbara Gardner		

The **CRC Award** is given to the outstanding individual in Freshman Chemistry (Chem. 111/115 and Chem. 112/116).

The **AIC Award** is given to the outstanding senior majoring in Chemistry, Biochemistry, or Chemical Engineering.

The **KSC Chemistry Faculty Award** is given to the outstanding senior majoring in Chemistry, Chemistry/Physics or the Chemistry related dual major programs who contributes the most to the continuing development of the Chemistry Program at Keene State.

The **KCS Chemistry Special Achievement Award** is given to an outstanding senior majoring in Chemistry, Chemistry/Physics or a Chemistry related dual major program who has demonstrated outstanding academic, research or other significant achievement in the chemistry or chemistry related area.

General Chemistry (Jeudi Davis) Special Laboratory Awards

<u>YEAR</u>	Golden Bunsen Burner	Silver Crucible	Rubber Ducky
2001	Lisa Bennett	Ani Hawkinson	Danielle Jacques
2000	Marty Davis	Susan Steiner	
1999	Karen Johnson	Fawn Geilenberg	
1998	Dawn Fischer	Kristin Sears	
1997	Diane Reed	Linda Bean	
1996	Alicia Collins	David Kirkman	
1995			
1994	Rebecca Hunt		
1993	Michael Majersky & Deborah Powers		
1992			
1991			
1990			
1989	James Lunn		

The **Golden Bunsen Burner** Award is given annually for outstanding achievement in the General Chemistry laboratory (Chemistry 115/116).

The **Silver Crucible** Award is given annually for the best formal laboratory report in the General Chemistry laboratory (Chemistry 115/116).

The **Rubber Ducky** Award is given annually for the best poem about soap in the General Chemistry laboratory (Chemistry 115/116).

Chemistry Gifts

The Department is beginning to benefit enormously in the past four years from the generosity of alumni. We are grateful to all of those alumni who have been so generous in the past. The gift account has now risen to the point where we may soon be able to make substantive additions to some of the unique lab and undergraduate research experiences than will be offered to our students as our newly revised BS Chemistry major takes hold. As more donations are received, we hope to offer a summer research award to a deserving student in the future and provide support to our instrumentation fund allowing us to maintain our focus on hands-on experiences in our undergraduate laboratories. I'm sure that it will come as no surprise to all of us who know education in New Hampshire that we can always do better. If you wish to learn how you can make a difference to the Department, please do not hesitate to contact us.

Alumna Profile

When we get responses from our alumni we plan on profiling our most distinguished respondent.

Let Us Hear From You

Please return this page with any news, address changes, professional and/or job status, inquires or comments to the address below. Send email to Jerry Jasinski (jjasinski@keene.edu) or connect with us on the web: (<http://www.keene.edu/programs/chem>)

Name _____ KSC Degree _____ Year Received _____

Other Degrees/Year/University _____

Present Position/Address _____

Home Address _____

Phone Number/Fax/email _____

News about yourself or other alumni: