Laboratory Visitors and Their Projects (as of 5/12)

Professor Karen Peterson, University of Rhode Island, 7/4/93, (CO)
Professor Jim LoBue, Ursinus College (now Georgia Southern University), 7/5 - 7/9/93, further conformations of dipropyl ether
Professor Robert Bohn and Lou Qi, University of Connecticut, 7/19 - 7/27/93, methyl ethyl nitrosamine
Dr. Dan Kohn, Department of Chemistry, Harvard University, 8/2 - 8/6/93, various radicals including CF, and HCCCH, using Peter Chen's flash pyrolysis source
Professor Kimberley Grant, College of St Elizabeth, 8/9 - 8/13/93, PF HCl and NF HCl
Dr. Mike McCarthy, Center for Astrophysics, Harvard Smithsonian, 8/17 - 8/20/93, various radicals including HCCCH, HNCN, SO, and HCCN
Brian Bean, Amherst College, (Brian is an undergraduate student of Professor Mark Marshall, he spent the summer in the lab as a NECUSE student and participated in all the projects, his own personal project was:) HBr OCS
Professor Robert Bohn, UCONN, 12/13 - 12/15/93, 3,6 dichloropyridazine
Professor Jim LoBue, Georgia Southern University, 12/20/93 - 12/24/93, CO C H
Brian Bean, Amherst, 1/3 - 1/7/94, to continue work on HBr OCS
Professor Kimberley Grant, College of St Elizabeth, 1/10 - 1/14/94, (PF )
Professor Karen Peterson, University of Rhode Island, 5/13, 17, 19, 25/94, NO H O
Professor Robert Bohn, University of Connecticut, 5/31 - 6/3/94, methyl ethyl formamide,
CH(NCHO)CH CH
Professor Karen Peterson, University of Rhode Island, 6/7, 8, 22, 24/94, NO H O
Professor Kimberley Grant, College of St Elizabeth, 8/1 - 8/5/94, Ar NF
Professor Jim LoBue, Georgia Southern University, 8/8 - 8/12/94, CO C H
Professor Robert Bohn, University of Connecticut, 8/18 - 8/19/94, 3-hexyn-2-one,
CH C=C(CO)CH
Professor Wallace Pringle and David McCamant, Wesleyan University, 8/29 - 9/2/94,
Ar (CH ) (Argon cyclopropane)
Professor Wallace Pringle and David McCamant, Wesleyan University, 9/19 - 9/23/94,
Ar (CH ) S (Argon trimethylene sulfide)
Dr. Mike McCarthy and Dr. Michael Travers, Center for Astrophysics, Harvard Smithsonian, 12/1 - 12/2/94, 13C substituted · C=C=C=C-H radical
Professor Wallace Pringle and David McCamant, Wesleyan University, 1/13/95, Ar (CH ) S
Professor Wallace Pringle and Ranjith Premasiri, Wesleyan University, 1/14 - 1/15/95,
Ar (CH ) O (Argon trimethylene oxide)
Professor Robert Bohn, University of Connecticut, 1/16 - 1/20/95, methyl ethyl formamide,
CH(NCHO)CH CH
Professor Wallace Pringle, David McCamant, Ranjith Premasiri, Wesleyan University, 2/13 - 2/24/95, Ar (CH ) S and Ar (CH ) O
{At this point, Professor Pringle and his students, who are just down the hall from the SNEMC lab, become such frequent spectrometer users that individual visits and projects are no longer noted on this list}
Professor Robert Bohn, University of Connecticut, 3/20 - 3/21/95, methyl ethyl formamide,
CH(NCHO)CH CH
Dr. Michael Travers, Harvard Smithsonian Center for Astrophysics, 4/27 - 4/28/95,
13 C isotopomers of :C=C=C=CH
Dr. Mike McCarthy, Harvard Smithsonian Center for Astrophysics, 5/4/95, measurement of the Zeeman effect in · C=C-C=C-H
Professor Robert Bohn, University of Connecticut, 5/16 - 5/17/95, methyl ethyl formamide,
CH(NCHO)CH CH
Professor Karen Peterson, San Diego State University, 6/21 - 6/23/95, NO H O
Dr. Michael Travers, Harvard Smithsonian Center for Astrophysics, 7/6/95, :C=C=C=CD
Professor Kimberley Grant, College of St Elizabeth, 7/10 - 7/14/95, $\text{Ar NF}_3$
Dr. Michael Travers, Dr. Mike McCarthy, Peter Kalmus, Harvard Smithsonian Center for Astrophysics, 8/8/95 $\text{H-C}_2\text{C}==\text{C-C}==\text{C-H}$
Dr. Michael Travers, Harvard Smithsonian Center for Astrophysics, 8/22 - 8/23/95 deuterium of $\text{C}_3\text{H}_3$

Professor Jimmy LoBue, Georgia Southern University, 8/28 - 9/1/95, $\text{Ar (CH}_3)_2\text{S}$
Professor Jens-Uwe Grabow, Kiel University and National Institute of Standards and Technology, 10/2/95 - 10/8/95, Install and set up automation software and equipment for the spectrometer.
Dr. Michael Travers, Harvard Smithsonian Center for Astrophysics, 11/1/95 test of K rotational temperature in the discharge using $\text{CF}_2\text{C}==\text{C-H}$

Professor Jimmy LoBue and student, Georgia Southern University, 3/19 - 3/22/96, $\text{Ar (CH}_3)_2\text{S}$
Professor Penny Snetsinger, Sacred Heart University, 7/8 - 7/24/96, $\text{HCl H-C}==\text{C-C}==\text{C-H}$
Professor Robert Bohn, University of Connecticut, 7/29 - 8/2/96, multiple conformations of butyl cyanide and n-propyl benzaldehyde, internal rotation in 3-hexyn-2-one and hexadienal
Dr. Mark Nimlos, National Renewable Energy Laboratory, Golden, Colorado, 10/7 - 10/8/96, phenyl radical, $\text{C}_6\text{H}_5$

Professor Robert Bohn and student, University of Connecticut, 12/17 - 12/19/96, methyl propyl formamide, $(\text{CH}_3)(\text{C}_2\text{H}_5)\text{NCHO}$.
Dr. Wei Chen, Harvard Smithsonian Center for Astrophysics, 12/23, 12/27, 12/30-31/96, $\text{H}_2\text{C}_6\text{H}_5\text{N}$ deep scans from methyl cyano acetylene precursor.
Professor Robert Bohn, University of Connecticut, 1/6 - 1/10/97, n-propyl benzaldehyde, $\text{CH}_3\text{CH}_2\text{CH}_2(\text{C}_6\text{H}_5)\text{CHO}$, and internal rotation in t-butyl benzene, $\text{C}_6\text{H}_6\text{C}(\text{CH}_3)_3$
Dr. Wei Chen, Harvard Smithsonian Center for Astrophysics, 1/11 - 1/13/97, search for $\text{H}_2\text{C}_6\text{O}$.
Dr. Rick Suenram, National Institute of Standards and Technology, 1/31/97, visit to observe our production methods of radicals using the pulsed high voltage source, test on $\text{Ar OH}$.
Professor Robert Bohn and David Sedich, University of Connecticut, 3/17 - 3/21/97, 4-t-butyl pyridine, $(\text{CH}_3)_2\text{C}-\text{C}_6\text{H}_5\text{N}$, and 2-pentynal, $\text{CHOCCCH}_2\text{CH}_3$.
Dr. Wei Chen, Harvard Smithsonian Center for Astrophysics, 4/29 - 5/2/97, searches for $\text{H}_2\text{C}_6\text{N}$ using methyl cyano acetylene as a precursor.
Professor Robert Bohn, University of Connecticut, 5/19 - 5/25/97, 3-phenyl-2-propynal, $\text{C}_6\text{H}_5\text{CCCHO}$, and $\text{N,N-diethyl formamide}$, $(\text{C}_2\text{H}_5)_2\text{NCHO}$
Professor Karen Peterson, San Diego State University, 8/2 - 8/6/97, $\text{H}_2\text{O (NO)}_2$
Dr. Wei Chen, Harvard Smithsonian Center for Astrophysics, 8/11 - 8/12/97, sensitivity measurements
Professor Jimmy LoBue, Georgia Southern University, 8/13 - 8/15/97, $\text{Ar (CH}_3)_2\text{S}$
Dr. Wei Chen’, Harvard Smithsonian Center for Astrophysics, 9/8 - 9/12/97, searches for $\text{H}_2\text{C}_6\text{N}$ and $\text{H}_2\text{C}_6\text{H}$
Dr. Wei Chen’, Harvard Smithsonian Center for Astrophysics, 10/6 - 10/10/97, searches for $\text{H}_2\text{C}_6\text{H}_2\text{H}_2\text{C}==\text{C-C}==\text{C-H}$, 2,4-pentadiynyl
Dr. Angela Hight Walker**, National Institute of Standards and Technology, 10/20 - 10/24/97, visit for the purposes of working on fitting the spectrum of O$_2$ SO$_2$ using the "Pickett" programs for this inverting spin triplet complex
Professor Robert Bohn, University of Connecticut, 1/5 - 1/11/98, methyl-ethyl-formamide, $\text{CH}_3(\text{NCHO})\text{C}_2\text{H}_5$; ethyl pentafluoro propionate, $\text{CH}_3\text{CH}_2\text{O(OC)}\text{CF}_2\text{CF}_3$; ethyl heptafluoro butyrate, $\text{CH}_3\text{CH}_2\text{O(OC)}\text{CF}_2\text{CF}_2\text{CF}_3$
Dr. Wei Chen’, Harvard Smithsonian Center for Astrophysics, 1/12 - 1/15, 1/26 - 1/30/98 searches for $\text{H}_2\text{C}_6\text{H}_2\text{H}_2\text{C}==\text{C-C}==\text{C-H}$, 2,4-pentadiynyl
Professor Jimmy LoBue, and an undergraduate student of his, James Thorton,
Georgia Southern University, 3/24 - 3/30/98, \textit{Ar (CH)}_{3}^{34}\text{S}  \\
Dr. Wei Chen, Harvard Smithsonian Center for Astrophysics, 4/27 - 4/30/98, searches for \textit{H}_{2}\text{C-H}, \textit{H}_{2}\text{C-C}=\text{C-C}=\text{C-H}  \\
Professor Robert Bohn and Colleen Coulter (grad student), University of Connecticut, 5/11 - 5/15/98, \textit{methyl thiolformate}, \textit{CHO(CSH}_{2}, \textit{diethyl formamide}, \textit{C}_{2}\text{H}_{5}(\text{NCHO})_{2}\text{C}_{2}\text{H}_{5}, and 2\text{-pentynal}, \textit{CHOCCCH}_{2}\text{CH}_{3},  \\
Professor Robert Bohn, Colleen Coulter, Dorothy Bancroft, University of Connecticut, 6/4 - 6/5/98, 2\text{-pentynal}, \textit{CHOCCCH}_{2}\text{CH}_{3}, and \textit{methyl thiolformate}, \textit{CHOCH}_{3},  \\
Professor Robert Bohn, Colleen Coulter, University of Connecticut, 11/24/98,  \\
\textit{methyl thiolformate}, \textit{CHOCH}_{3},  \\
Professor Robert Bohn, Colleen Coulter, University of Connecticut, 1/7 - 1/8/99,  \\
\textit{methyl thiolformate}, \textit{CHOCH}_{3},  \\
Professor Robert Bohn, Colleen Coulter, University of Connecticut, 2/11 - 2/13/99, \textit{butylacetylene}, \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH},  \\
Professor Robert Bohn, Karissa Atticks, Colleen Coulter, University of Connecticut, 5/11 - 5/15/99,  \\
\textit{four conformations of butylacetylene}, \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH}, (1\text{-hexyne}),  \\
Professor Robert Bohn, Karissa Atticks, Colleen Coulter, University of Connecticut, 1/18 - 1/20/99, \textit{cyclopropyl benzene}, \textit{C}_{3}\text{H}_{4}\text{C}_{6}\text{H}_{5},  \\
Professor Robert Bohn, Amanda Willis, Karissa Atticks, Colleen Coulter, University of Connecticut, 7/12 - 7/16/99, \textit{cyclopropyl benzene}, \textit{C}_{3}\text{H}_{4}\text{C}_{6}\text{H}_{5}, \textit{butylacetylene}, \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH}, and \textit{allyl benzene}, \textit{CH}_{2}\text{CHCH}_{2}\text{CH}_{3},  \\
Professor Robert Bohn, Karissa Atticks, University of Connecticut, 8/17 - 8/19/99, isotopomers of conformers of \textit{butylacetylene}, \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH}, (1\text{-hexyne}),  \\
Professor Robert Bohn, Karissa Atticks, Lauren Nedell, University of Connecticut, 1/3 - 1/00, isotopomers of conformers of \textit{butylacetylene}, \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH}, \textit{ortho-phthalaldehyde}, \textit{C}_{5}\text{H}_{4}(\text{CHO}),  \\
Professor Robert Bohn, University of Connecticut; Stacy Broadbent, Holy Cross, 6/22 - 6/23/00, \textit{vinyl chloroformate}, \textit{CICOOCHCH}_{2},  \\
Professor Jim LoBue, Georgia Southern University, 7/17 - 7/21/00, \textit{Ar (CD)}_{3}^{34}\text{S}  \\
Karissa Atticks, University of Connecticut; Stacy Broadbent, Holy Cross, 7/24 - 7/26/00, \textit{vinyl chloroformate}, \textit{CICOOCHCH}_{2},  \\
Professor Robert Bohn, Karissa Atticks, University of Connecticut, 8/14/00, isotopomers of conformers of \textit{butylacetylene}, (1\text{-hexyne}), \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH}, \textit{allyl benzene}, \textit{CH}_{2}\text{CHCH}_{2}\text{CH}_{3},  \\
Professor Robert Bohn, Karissa Atticks, University of Connecticut, 10/27/00, isotopomers of conformers of \textit{butylacetylene}, (1\text{-hexyne}), \textit{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{CH}_{2}\text{C}=\text{CH},  \\
Professor Robert Bohn, Karissa Atticks, University of Connecticut, 11/17 - 11/20/00, \textit{13C isotopomers of vinyl chloroformate}, \textit{CICOOCHCH}_{2},  \\
Professor Robert Bohn, Karissa Atticks, University of Connecticut, 12/19 - 12/20/00 \textit{allyl nitrite}, \textit{O}=\text{N-O-CH}_{2}-\text{CH}=\text{CH},  \\
Professor Robert Bohn, Karissa Atticks, University of Connecticut, 1/11 - 1/12/01 conformers of \textit{1,2-difluorocyclohexane}, \textit{C}_{5}\text{H}_{10}\text{F}_{2}, \textit{phenyl propargaldehyde}, \textit{C}_{6}\text{H}_{5}\text{CCCHO}  \\
Professor Robert Bohn, Karissa Atticks, Elizabeth Trosell, University of Connecticut, 1/18 - 1/19/01, \textit{1-phenyl-1-butyne}  \\
Professor Robert Bohn, Elizabeth Trosell, University of Connecticut, 3/15 - 3/19/01 ax-ax conformer of \textit{trans-1,2-difluorocyclohexane}, \textit{C}_{5}\text{H}_{10}\text{CCH}, \textit{propargylbenzene}  \\
Professor Robert Bohn, Joanna Riccobono, Karissa Atticks, University of Connecticut, 5/31 -
6/02/01, phenyl isopropyl acetylene, C₆H₅-C≡C-CH(CH₃)₂; propanol, CH₃CH₂CH₂OH; 1-propanol, CH₂CH₂CH₂OH

Dr. Mark Nimlos, National Renewable Energy Laboratory (NREL), Golden, Colorado, 6/4 - 6/8/01, phenyl radical, C₆H₅. Dr. Nimlos is bringing his well-engineered flash-pyrolysis (Chen) nozzle, along with his expertise in quantitative production of the phenyl radical.

Dr. Jens-Uwe Grabow, University of Hannover, 6/25 - 6/27/01, upgrade computer-spectrometer interface.

Karissa Atticks¹, Joanna Riccobono², University of Connecticut, 7/10 - 7/12/01, hex-1-nitrile-5-yne, HC≡CCH₂CH₂C≡N, 1-propanol, CH₃CH₂CH₂OH

Dr. Jens-Uwe Grabow, University of Hannover, 7/24 - 8/2/01, upgrade computer-spectrometer interface.

Professor Robert Bohn, Karissa Atticks¹, University of Connecticut, 9/27-9/29/01, various conformers of hex-1-nitrile-5-yne, HC≡CCH₂CH₂C≡N

Professor Robert Bohn, John Bimler², University of Connecticut, 11/1 - 11/2/01, ax-ax conformer of 1,2-difluorocyclohexane; c-C₆H₅F₂, isotopes of vinyl chloroformate, CICOCH₂F;

Professor Robert Bohn, Karissa Atticks¹, University of Connecticut, 1/10 - 1/12/02, phenyl isopropyl acetylene, C₆H₅-C≡C-CH(CH₃)₂; ax-ax and eq-eq conformers of trans-1,2-difluorocyclohexane, c-C₆H₁₀F₂; benzyl alcohol, c-C₆H₅CH₂OH.

Dr. Mark Nimlos, National Renewable Energy Laboratory (NREL), Golden, Colorado, 4/12 - 4/19/02, allyl, phenoxy, and propargyl radicals, and non-radical pyrolysis products such as acetic acid from ethyl acetate. Adventures with flash-pyrolysis.

Professor Robert Bohn, Karissa Atticks¹, University of Connecticut, 5/22 - 5/22/02, benzyl alcohol, c-C₆H₅CH₂OH.

Professor Robert Bohn, Karissa Atticks¹, Russell Giudici², University of Connecticut, 6/6 - 6/7/02, benzyl alcohol, c-C₆H₅CH₂OH.

Dr. Jens-Uwe Grabow, Deike Banser¹, Melanie Schnell¹, University of Hannover, 6/24 - 6/25/02, upgrade computer-spectrometer interface.

Karissa Atticks¹, Russell Giudici², University of Connecticut, 7/11 - 7/12/02, 3-phenyl-1-propyne, (propargylbenzene), c-C₆H₅CH₂C≡CH; hex-1-nitrile-5-yne, HC≡CCH₂CH₂C≡N

Professor Robert Bohn, Karissa Atticks¹, Russell Giudici², University of Connecticut, 7/31 - 8/1/02, isotopomers of 3-phenyl-1-propyne, (propargylbenzene), c-C₆H₅CH₂C≡CH; benzyl alcohol, c-C₆H₅CH₂OH.

Dr. Mark Nimlos, National Renewable Energy Laboratory (NREL), Golden, Colorado, 8/2 - 8/5/02, further studies with the flash-pyrolysis nozzle, propargyl radical H₂CC≡H, from propargyl bromide.

Professor Robert Bohn, Karissa Atticks¹, Russell Giudici², University of Connecticut, 10/10 - 10/12/02, propanol, phenethanol, (phenyl hydroxy methyl methane).

Professor Robert Bohn, Karissa Atticks¹, University of Connecticut, 12/18 -12/19/02, deuterated benzyl alcohol, c-C₆H₅CH₂OD.

Professor Robert Bohn, Geoff Churchill³, Karissa Atticks¹, University of Connecticut, 1/14 - 1/17/03, sec-phenethanol, C₆H₅-CH(OH)(CH₃); deuterated benzyl alcohol, c-C₆H₅CH₂OD.

Professor Robert Bohn, Karissa Atticks¹, Eric Shanahan², University of Connecticut,
2/27 - 2/28/03, benzyl alcohol, \(\text{c-C}_6\text{H}_5\text{CH}_2\text{OH}\).
Professor Robert Bohn, Karissa Atticks\(^1\), Geoff Churchill\(^1\), Elizabeth Trosell\(^2\), University of Connecticut, 3/7 -3/19/03, benzyl alcohol, \(\text{c-C}_6\text{H}_5\text{CH}_2\text{OH}\); 3-phenyl-1-propyne, (propargylbenzene), \(\text{c-C}_6\text{H}_5\text{CH}_2\text{C}≡\text{CH}\)
Karissa Atticks\(^1\), University of Connecticut, 5/8 - 5/9/03, 1-hexyne
Professor Robert Bohn, Karissa Atticks\(^1\), University of Connecticut, 5/14 - 5/16/03
isobutylbenzene
Dr. Mark Nimlos, National Renewable Energy Laboratory (NREL), Golden, Colorado, 6/3 - 6/4/03, further studies with the flash-pyrolysis nozzle, attempts to lower the rotational temperature
Professor Robert Bohn, Geoff Churchill\(^1\), Karissa Atticks\(^1\), Ruthanne Hassey\(^2\), University of Connecticut, 6/12 - 6/17/03, 3-hexyne
Professor Robert Bohn, Geoff Churchill\(^1\), Ruthanne Hassey\(^2\), University of Connecticut, 7/09 - 7/10/03, isobutylbenzene and 3-hexyne
Professor Robert Bohn, Eric Shanahan\(^3\), Geoff Churchill\(^1\), Karissa Atticks\(^1\), University of Connecticut, 11/06 - 11/08/03, isobutylbenzene, \(\text{C}_6\text{H}_5\text{CH}_2\text{C}≡\text{CH}\), 5-hexynenitrile, \(\text{N}=\text{C}–\text{CH}_2–\text{CH}_2–\text{CH}_2–\text{CH}_3–\text{C}≡\text{CH}\)
Professor Robert Bohn, University of Connecticut, 1/05 - 1/08/04, propargyl benzene, \(\text{C}_6\text{H}_5\text{CH}_2\text{C}≡\text{CH}\)
Professor Robert Bohn, University of Connecticut, 5/11 - 5/12/04, 4-octyne, di-n-propyl acetylene
Professor Robert Bohn, University of Connecticut, 5/11 - 5/12/04, 4-octyne, di-n-propyl acetylene
Dr. Amy Stevens Miller, ChemMotif, Concord, MA, 6/04/04, beginning of a collaboration on \(\text{HCo(PF)}_3\)_4, delivering and transferring the samples
Professor Jens-Uwe Grabow, University of Hannover, 6/09/04 - 6/10/04, upgrade computer-spectrometer interface.
Professor Robert Bohn, University of Connecticut, 6/30 - 7/01/04, propargyl benzene, \(\text{C}_6\text{H}_5\text{CH}_2\text{C}≡\text{CH}\), partially deuterated; 4-octyne, di-n-propyl acetylene; isobutylbenzene
Professor Karen Peterson, San Diego State University, 7/7 - 7/9/04, argon propane
Professor Robert Bohn, Albeiro Restrepo\(^1\), University of Connecticut, 10/28 - 10/30/04, 5-hexynenitrile, \(\text{N}=\text{C}–\text{CH}_2–\text{CH}_2–\text{CH}_2–\text{CH}_3–\text{C}≡\text{CH}\); heptadiyne, \(\text{HC}=\text{C}–\text{CH}_2–\text{CH}_2–\text{CH}_2–\text{C}≡\text{CH}\)
Dr. Thomas Blake, Pacific Northwest National Laboratory, 11/15 - 11/19/04, tropolone, \(\text{c-C}_6\text{H}_5\text{OOH}\), \(\text{Ar tropolone, water tropolone}\)
Professor Robert Bohn, Albeiro Restrepo\(^1\), Geoff Churchill\(^1\), University of Connecticut, 1/05 - 1/08/05, 1,6-heptadiyne, \(\text{HC}=\text{C}–\text{CH}_3–\text{CH}_2–\text{CH}_2–\text{C}≡\text{CH}\); 2-methyl-3-hexyne, isopropylethylacetylene, \((\text{CH}_3)_2\text{CH}–\text{C}≡\text{C}–\text{CH}_2\text{CH}_3\)
Geoff Churchill\(^1\), University of Connecticut, 2/7/05, 2-methyl-3-hexyne
Geoff Churchill\(^1\), University of Connecticut, 2/28/05, 2-methyl-3-hexyne
Professor Robert Bohn, Albeiro Restrepo\(^1\), Geoff Churchill\(^1\), Lu Ma\(^2\), University of Connecticut, 3/07 - 3/11/05, 1,6-heptadiyne, \(\text{HC}=\text{C}–\text{CH}_3–\text{CH}_2–\text{CH}_2–\text{C}≡\text{CH}\); 2-methyl-3-hexyne, isopropylethylacetylene, \((\text{CH}_3)_2\text{CH}–\text{C}≡\text{C}–\text{CH}_2\text{CH}_3\); 2-methylbutane, isopentane, \((\text{CH}_3)_2\text{CHCH}_2\text{CH}_3\)
Geoff Churchill\(^1\), Kristin Swana\(^2\) University of Connecticut, 4/4/05, isopentane
Professor Robert Bohn, Geoff Churchill\(^1\), Kristin Swana\(^2\), University of Connecticut, 4/18/05, isopentane
Professor Robert Bohn, Albeiro Restrepo\(^1\), 5/9 - 5/11/05, allylbenzene, \(\text{C}_6\text{H}_5\text{CH}_2–\text{C}≡\text{CH}\)
Professor Robert Bohn, Geoff Churchill\(^1\), University of Connecticut, 4/18/05, isopentane
Professor Lu Kang, Union College, Barbourville, KY., 6/18 - 6/26/05, \(\text{H}_2\text{P}_–\text{C}≡\text{C}–\text{CN}\)
Professor Karen Peterson, San Diego State University, 6/27 - 7/1/05, argon propane, neon propane, \(\text{Ne CH}_2\text{CH}_2\text{CH}_3\)
Professor Robert Bohn, Geoff Churchill, Becky Milot, University of Connecticut, 7/21-7/23/05, 4-methyl-1-pentyne, HC=C–CH₂–CH(CH₃)₂

Geoff Churchill, University of Connecticut, 8/15 - 8/19/2005, conformations of 2-methyl-3-hexyne, (CH₃)₂CH–C=CH₂CH₃, isopropylethylacetylene, isopentane

Geoff Churchill, University of Connecticut, 10/11 - 10/13/2005, conformations of 2-methyl-3-hexyne, (CH₃)₂CH–C=CH₂CH₃, isopropylethylacetylene

Professor Robert Bohn, Tanya Povroznyk, University of Connecticut, 10/13 - 10/15/2005, 3-heptyne, CH₃CH₂C=CH₂CH₂CH₃

Professor Robert Bohn, Geoff Churchill, University of Connecticut, 11/8 - 11/12/05, 2-methyl-3-hexyne, and 3-heptyne

Geoff Churchill, University of Connecticut, 11/28/05, 12/7 -12/8/05, 3-heptyne, and n-pentane

Professor Lu Kang, Union College, Barbourville, KY., 12/12/05 - 1/8/06, H₂P–C=C–C=N, phosphacetylnitrile; C₆H₄OCF₃, trifluoroanisol; CF₃OOCF₃, bis(trifluoromethyl)peroxide; CF₃OO, trifluoromethylperoxy radical

Professor Robert Bohn, Geoff Churchill, University of Connecticut, 1/9 - 1/11/06, 3-heptyne, pentane, isopentane

Visiting Professor Jennifer Van Wijngaarden, Mount Holyoke College, 1/12 - 1/20/06, various projects, argon cyclopenteneoxide

Professor Robert Bohn, Christian Acharte, Geoff Churchill, University of Connecticut, 2/13 - 2/14, CF₃COC₂H₅, ethyl trifluoroacetate

Professor Jennifer Van Wijngaarden, Mount Holyoke College, 2/14, argon cyclopenteneoxide

Professor Jennifer Van Wijngaarden, Mount Holyoke College, 2/19 & 2/21/06, CF₃O, trifluoromethoxy radical

Professor Jennifer Van Wijngaarden, Mount Holyoke College, 3/7, 3/14, 3/19-23, 3/28, 4/10, 4/25/06, HPCN radical

Professor Robert Bohn, Christian Acharte, University of Connecticut, 4/12/06, CF₃CO₂C₂H₅, ethyl trifluoroacetate, new conformation in He expansion

Professor Jennifer Van Wijngaarden, Mount Holyoke College, 4/25, 4/30 - 5/2/06, HPCN radical

Professor Robert Bohn, University of Connecticut, 5/9 - 5/11/06, 3-heptyne, CH₃CH₂C=CH₂CH₂CH₃, new conformation in He expansion; 2-methyl-1-hexene-3-yne, ethylpropenylacetylene, CH₃CH₂C=CH(CH₃)CH₃

Professor Robert Bohn, University of Connecticut, 5/30 - 5/31/06, second conformer of 3-hexyne, 1-phenyl-1-ethanol, C₂H₅CH(OH)CH₃

Professor Jennifer Van Wijngaarden, Mount Holyoke College, 6/12 - 6/14/06, HPCN radical

Professor Robert Bohn, Joe Yeager, University of Connecticut, 6/15/06, 2-methyl-1-hexene-3-yne, ethylpropenylacetylene, CH₃CH₂C=CH(CH₃)CH₃

Professor Karen Peterson, San Diego State University, 6/26 - 6/30/06, neon propane, Ne CH₂CH₂CH₃

Professor Lu Kang, Union College, Barbourville, KY., 7/3 - 8/18/06, various projects: CF₃OC₂H₅, Ar O₃, Ne HC₃CN, CO HC₃CN, CO₂ HCCCN

Professor Robert Bohn, Joe Yeager, University of Connecticut, 7/12/06, 2-methyl-1-hexene-3-yne, ethylpropenylacetylene, CH₃CH₂C=CH(CH₃)CH₃

Professor Karen Peterson, San Diego State University, 7/26 - 7/27/06, neon propane, Ne CH₂CH₂CH₃

Professor Robert Bohn, Christian Acharte, William Whalen, University of Connecticut, 10/26 - 10/27/06, 2,5-dimethyl-3-hexyne, diisopropyl acetylene, (CH₃)₂CHCHCH₃, C≡C–(CH₃)₂CHCH₃

Professor Robert Bohn, William Whalen, University of Connecticut, 11/20 - 11/21/06, 2,5-dimethyl-3-hexyne, diisopropyl acetylene

Professor Lu Kang, Union College, Barbourville, KY., 12/11/06 - 1/6/07, HCCCN CO₂, HCCCN CO, neon cyclopentene oxide

Professor Robert Bohn, University of Connecticut, 1/4 - 1/5/07,
5-hexynenitrile, N≡C−CH₂−CH₂−CH₂−C≡CH,
4,4-dimethyl-2-pentyn, methyl t-butyl acetylene, CH₃−C≡C−C(CH₃)₃
Professor Robert Bohn, University of Connecticut, 1/11/07,
4,4-dimethyl-2-pentyn, methyl t-butyl acetylene, CH₃−C≡C−C(CH₃)₃
trimethylsilyl t-butyl acetylene, (CH₃)₂Si−C≡C−C(CH₃)₃
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 3/7 - 3/9/07,
6-methyl-3-heptyn, CH₃CH₂−C≡C−CH₂CH(CH₃)₂, ethyl isobutyl acetylene
Professor Geoff Churchill, Manchester Community College, CT, videotaping how spectroscopy is performed on the FTMW spectrometer, 3/8/07
Professor Lu Kang, Union College, Barbourville, KY., 4/26/07 - 5/3/07, Ne O₂, isotopomers of CO HCCCN
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 5/17 - 5/18, 5/21 - 5/22/07,
4-octyne, CH₃−CH₂−CH₂−C≡C−CH₃−CH₂−CH₂−CH₃,
6-methyl-3-heptyn, ethyl isobutyl acetylene, CH₃CH₂−C≡C−CH₂CH(CH₃)₂;
isobutylbenzene
Professor Jens-Uwe Grabow, University of Hannover, 6/28 - 6/29/07,
consult on the status of the FTMW spectrometer.
Fumie Sunahori, University of Kentucky, 7/2 - 7/18/07, CCP radical, HGeBr
Professor Karen Peterson, San Diego State University, 7/22 - 7/25/07,
methane propane, CH₄, CH₂CH₂CH₃
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 8/20 - 8/21/07,
2-methyl pentane, (CH₃)₂CHCH₂CH₂CH₃
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 11/19 - 11/20/07,
2-methyl pentane
Professor Wei Lin, University of Saint Mary, Leavenworth, KS, 12/13 - 12/18/07,
Ne methylenecyclobutane, H₂O CF₃CN, Ne CF₃CN
Professor Lu Kang, Union College, Barbourville, KY., 12/15/07 - 1/04/08,
DSiCl, HGeBr, DGeBr
Professor Robert Bohn, James Dombrowski, Joseph Fournier, Greg Salber,
University of Connecticut, 1/07 - 1/08/08, isobutylbenzene, hexane
Professor Robert Bohn, James Dombrowski, University of Connecticut, 3/11 - 3/12/08,
hexane, ethyl trifluoroacetate
Professor Stephen Cooke, University of North Texas, visit planned for 4/29 - 5/2/08, to study our methods of producing radicals with a discharge nozzle and methods of scanning the spectra
Professor Lu Kang, Union College, Barbourville, KY., 5/16 - ~8/15/08, various projects including HGeBr
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 5/27 - 5/28, 6/9 - 6/10/08
hexane; perfluoropentane; ethyl-2-pentynoate, CH₃CH₂C≡CCOOCH₂CH₃
Professor Karen Peterson, San Diego State University, 6/23 - 6/27/08,
methane propane, CH₄, CH₂CH₂CH₃
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 5/27 - 5/28, 6/9 - 6/10/08
hexane; perfluoropentane; ethyl-2-pentynoate, CH₃CH₂C≡CCOOCH₂CH₃
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 10/2 - 10/4/08
perfluoropentane
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 11/6 - 11/7/08
¹³C isotopomers of perfluoropentane
Professor Robert Bohn, Joseph Fournier, University of Connecticut, 11/20 - 11/21/08
¹³C isotopomers of perfluoropentane, 3,5-octadiyne (diethylidiceteylene)
Professor Lu Kang, Union College, Barbourville, KY., 12/18/08 - 1/9/09, DSiI,
OC H−C≡C−C≡N
Professor Robert Bohn, Joseph Fournier, James Dombrowski, University of Connecticut, 1/12 - 1/13/09, ¹³C isotopomers of perfluoropentane, conformers of isopentane
Professor Robert Bohn, James Dombrowski\textsuperscript{2}, Tin Phan\textsuperscript{2}, University of Connecticut, 2/5 - 2/6/09, \textit{perfluorohexane, 2-methylbutane}
Professor Robert Bohn, University of Connecticut, 3/5 - 3/6/09, \textit{3,5-octadiyne}, CH\textsubscript{2}CH\textsubscript{2}C\textequivC\equivC\equivC\equivCH\textsubscript{2}CH\textsubscript{3}
Professor Wei Lin, University of Saint Mary, Leavenworth, KS, 3/8 - 3/14/09, \textit{3-pyrroline}, c-NHCH\textsubscript{2}CH\equivCHCH\equivC\equivCH\textsubscript{2}C\textsubscript{2}H\textsubscript{5}N
Professor Karen Peterson, San Diego State University, 3/31 - 4/5/09, \textit{methane propane}, CH\textsubscript{4}CH\textsubscript{2}CH\textsubscript{2}CH\textsubscript{3}
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 6/8 - 6/10/09, \textit{octadiyne; perfluoroheptane}, C\textsubscript{7}\textsubscript{F}\textsubscript{16}; 1-H-perfluoropropane, CHF\textsubscript{2}CF\textsubscript{2}CF\textsubscript{3}
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 7/28 - 7/30/09, \textit{octadiyne; 1-H-perfluoropropane}, CHF\textsubscript{2}CF\textsubscript{2}CF\textsubscript{3}
Professor Robert Bohn, James Dombrowski\textsuperscript{2}, University of Connecticut, 9/25 - 9/26/09, \textit{13\textsuperscript{C} isotopologues of sec-phenethanol}, C\textsubscript{6}H\textsubscript{5}CH(OH)(CH\textsubscript{3})
Professor Robert Bohn, James Dombrowski\textsuperscript{2}, Contin Phan\textsuperscript{2}, University of Connecticut, 11/23 - 11/24/09, \textit{5-hexyne nitrile}, HCC(CH\textsubscript{3})\textsubscript{2}CN
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 12/21 - 12/22/09, \textit{3,5-octadiyne}
Professor Robert Bohn, James Dombrowski\textsuperscript{2}, University of Connecticut, 1/06 - 1/07/10, \textit{secondary phenyl ethanol}, CH\textsubscript{2}CHCH(C\textsubscript{2}H\textsubscript{5})OH; 1-H-perfluorobutane, HCF\textsubscript{2}CF\textsubscript{2}CF\textsubscript{3}
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 1/14/10, \textit{3,5-octadiyne; 1-H-perfluorobutane}
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 2/25 - 2/26/10, \textit{3,5-octadiyne}
Professor Robert Bohn, University of Connecticut, 4/8 - 4/9/10, \textit{sec-phenethanol}, C\textsubscript{6}H\textsubscript{5}CHOHCH\textsubscript{3}
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 5/19 - 5/20/10, \textit{3,5-octadiyne}
Professor Robert Bohn, University of Connecticut, 7/27 - 7/28/10, \textit{benzylmethylether}, C\textsubscript{6}H\textsubscript{5}CH\textsubscript{2}OCH\textsubscript{3}; \textit{pentafluoroaniline}, C\textsubscript{6}F\textsubscript{5}NH\textsubscript{3}
Professor Karen Peterson, San Diego State University, 9/22 - 10/02/10, \textit{methane propane}, CH\textsubscript{4}CH\textsubscript{2}CH\textsubscript{2}CH\textsubscript{3}
Professor Wei Lin, University of Texas, Brownville, TX, 12/8 - 12/15/10, (CH\textsubscript{3}CHClF); \textit{propyl methyl ether}
Professor Andrea Minei, Joy Cote, Kyle Firmenter, College of Mount Saint Vincent, 4/19/11 visit to introduce students to the laboratory in preparation for future experiments
Professor Robert Bohn, University of Connecticut, Lecturer Geoff Churchill, Curry College, 5/12 - 5/13/11, \textit{3,5-octadiyne; 1-H-nonafluorobutane}, HCF\textsubscript{2}CF\textsubscript{2}CF\textsubscript{3}
Professor Robert Bohn, University of Connecticut, 2/25 - 2/26/10, \textit{3,5-octadiyne}
Professor Robert Bohn, University of Connecticut, 7/27 - 7/28/10, \textit{sec-phenethanol}, C\textsubscript{6}H\textsubscript{5}CHOHCH\textsubscript{3}
Professor Robert Bohn, Joseph Fournier\textsuperscript{2}, University of Connecticut, 5/19 - 5/20/10, \textit{3,5-octadiyne}
Professor Robert Bohn, University of Connecticut, 7/27 - 7/28/10, \textit{benzylmethylether}, C\textsubscript{6}H\textsubscript{5}CH\textsubscript{2}OCH\textsubscript{3}; \textit{pentafluoroaniline}, C\textsubscript{6}F\textsubscript{5}NH\textsubscript{3}
Professor Karen Peterson, San Diego State University, 9/22 - 10/02/10, \textit{methane propane}, CH\textsubscript{4}CH\textsubscript{2}CH\textsubscript{2}CH\textsubscript{3}
Professor Wei Lin, University of Texas, Brownville, TX, 12/8 - 12/15/10, (CH\textsubscript{3}CHClF); \textit{propyl methyl ether}
Professor Andrea Minei, Joy Cote, Kyle Firmenter, College of Mount Saint Vincent, 4/19/11 visit to introduce students to the laboratory in preparation for future experiments
Professor Robert Bohn, University of Connecticut, Lecturer Geoff Churchill, Curry College, 5/12 - 5/13/11, \textit{3,5-octadiyne; 1-H-nonafluorobutane}, HCF\textsubscript{2}CF\textsubscript{2}CF\textsubscript{3}
Starting in August 2011, \textit{Professor Stephen Cooke***}, of the State University of New York at Purchase, is housing two of his spectrometers, a Chirp/Cavity and a Cavity FTMW spectrometer in our laboratory at Wesleyan. Professor Cooke will be visiting the laboratory ever other week for the next few years.
Professor Robert Bohn, University of Connecticut, Dr. Geoff Churchill, Norwell, MA, School District, 8/25 - 8/26/11, \textit{1-H-nonaffluorobutane}, HCF\textsubscript{2}CF\textsubscript{2}CF\textsubscript{3}
Professor Wei Lin, University of Texas, Brownville, TX, 12/8 - 12/12/11, \textit{CF\textsubscript{2}CF\textsubscript{2}COOH, pentafluoroprionic acid; H\textsubscript{2}O CF\textsubscript{3}CF\textsubscript{2}COOH; thioxanthone}, C\textsubscript{8}H\textsubscript{8}OS; all data taken on the Chirp Spectrometer.
Professor Andrea Minei, College of Mount Saint Vincent, 7/22 - 7/23/11, \textit{perfluorodecanonitrile}, CF\textsubscript{3}(CF\textsubscript{2})\textsubscript{3}CN
Frank DeChirico\textsuperscript{2}, SUNY Purchase, 3/5/12, Frank accompanied his research advisor, Professor \textit{Stephen Cooke***}, to work on \textit{propyl methyl ether} on the Chirp Spectrometer
Nadeen Alkhawam\textsuperscript{2}, SUNY Purchase, 5/12, accompanied her research advisor, Professor \textit{Stephen Cooke***} to work on \textit{phenyl chloride}
Professor Wei Lin, University of Texas, Brownville, TX, 5/24 - 5/30/12, \textit{pentafluoropropionic
acid, 2,2,3,3-tetrafluoropropionic acid, 2,3,3,3-tetrafluoropropionic acid, H₂O
2,3,3,3-tetrafluoropropionic acid

* From Sept. 1, 1997 through Aug. 31, 1998, Dr. Chen was half time with Professor Thaddeus and half time with S. Novick. Thus these visits do not, strictly, belong in the same category with those of "outside" visitors.

** This visit involved only theory, not use of machine time.

1 Graduate Student
1a Graduate student of Dennis Clouthier, University of Kentucky
2 Undergraduate Student
2a Summer RUI student from Salisbury State, Salisbury, MD.
2b Summer RUI student from College of the Holy Cross, Worcester, MA.
2c Summer RUI student from Houghton College, Houghton, NY.
2d Summer RUI student from Providence College, Providence RI.
2e Summer RUI student from Centre College, Danville KY.

*** Professor Stephen Cooke moved from the University of North Texas to SUNY Purchase in the summer of 2011. Two of Steve’s spectrometers, a cavity FTMW, and a Chirp FTMW now resided in my lab, where my students and I use and help maintain these spectrometers. However, they remain Professor Cooke’s spectrometers. Thus when Steve comes alone to visit & use his own spectrometers, I do not include these visits (which occur about every other week) unless he brings a SUNY Purchase student with him; these visits I will include in this diary.