

2009	Zhang, Rui	Ph.D.	Advisor: T. Kowalewski; R. McCullough	The Impact of Morphology and Molecular Structure on Charge Transport Properties in Thin Film of Polythiophene and its Derivatives
2009	Zatsman, Anna	Ph.D.	Advisor: M. Hendrich	Mechanistic Studies of Multiheme Proteins Using EPR Spectroscopy
2009	Nicolay, Renaud	Ph.D.	Advisor: K. Matyjaszewski	Enhancing Control of Macromolecular Architecture by Synergistic Combination of ATRP, NMP and RAFT Polymerization
2009	McCullough, Lynne A.	Ph.D.	Advisor: K. Matyjaszewski	Nanostructured Conducting Materials Templated on Block Copolymers
2009	Lusvarghi, Sabrina	Ph.D.	Advisor: B. Armitage	From Molecules to Organisms: Molecular Recognition Using Proteins, Peptides and Peptide Nucleic Acids
2009	He, Wei	Ph.D.	Advisor: C. Achim	Structural Characterization of Non-Modified and Modified Peptide Nucleic Acids
2009	Gunderson, William	Ph.D.	Advisor: M. Hendrich	Spectroscopic Studies of Intermediates in Metalloenzymes and Biomimetic Complexes
2009	Cusick, Brian	Ph.D.	Advisor: T. Kowalewski	Techniques for Proximal Probe Characterization of Designer Surfaces Tailored by Controlled Radical Polymerization
2009	Constantin, Tudor	Ph.D.	Advisor: B. Armitage	Selection and Characterization of RNA Aptamers that Bind Fluorogenic Cyanine Dyes
2009	Bencherif, Sidi	Ph.D.	Advisors: N.R. Washburn; K. Matyjaszewski	Synthesis, Characterization, and Evaluation of Biodegradable Polymers and Biomimetic Hydrogel Scaffolds for Biomedical Applications
2009	Battistel, Marcos	Ph.D.	Advisor: M. Llinás	Profiling Plasminogen Kringle Domains According to Ligand Specificity
2008	Wu, Wei	Ph.D.	Advisors: T. Kowalewski, K. Matyjaszewski	Control, Manipulation, Characterization and Complex Crystallization Behavior of Macromolecular Assemblies
2008	Watson, Richard	Ph.D.	Advisor: C. Achim	Metal Binding to Peptide Nucleic Acids Modified with 8-Hydroxyquinoline or 2,2'-Bipyridine
2008	Tang, Wei	Ph.D.	Advisor: K. Matyjaszewski	Kinetics of Atom Transfer Radical Polymerization
2008	Stadler, Andrea Benven	Ph.D.	Advisor: B. Armitage	DNA Templated Supramolecular Assemblies of Cyanine Dyes
2008	Siegwart, Daniel	Ph.D.	Advisor: K. Matyjaszewski	Application of Controlled Radical Polymerization (CRP) in the Design of Functional Biomedical Architectures
2008	Sherwood, Gizelle	Ph.D.	Advisor: L. Peteanu	The Effects of Aggregation on the Photophysics of Oligomers Related to MEH-PPV and CN-PPV
2008	Min, Ke	Ph.D.	Advisor: K. Matyjaszewski	Atom Transfer Radical Polymerization in Aqueous Dispersed Media
2008	He, Gaofei	Ph.D.	Advisor: D. Ly	Development of Conformationally-Preorganized γ -Peptide Nucleic Acid (γ -PNA) for Recognition of Double helical B-form DNA (B-DNA)
2008	Gao, Haifeng	Ph.D.	Advisor: K. Matyjaszewski	Synthesis of Functional Polymers with Controlled Architecture by ATRP of Monomers in the Presence of Cross-Linkers: From Stars to Gels
2008	Cooper, Jessica	Ph.D.	Advisor: R. McCullough; T. Kowalewski	Chain-end Functionalized Regioregular Poly(3-hexylthiophenes): Synthesis, Characterization and Applications
2008	Braunecker, Wade	Ph.D.	Advisor: K. Matyjaszewski	Catalyst Development in Atom Transfer Radical Polymerization from a Thermodynamic

				Perspective
2008	Bombalski, Lindsay	Ph.D.	Advisor: Michael R. Bockstaller	Growth and Effect of Polymeric Ligands on Colloidal Particles and Tailoring the Optical Properties of Particle Additives
2007	Stadler, Matthew	Ph.D.	Advisor: T. J. Collins	A New Family of Fe-TAML Peroxide Activators for Green Oxidation Chemistry: Synthesis, Characterization, and Properties
2007	Sage, Amy	Ph.D.	Advisor: N. Donahue	Atmospheric Oxidation of Organic Compounds: Gas-Phase Reactivity, Gas-to-Particle Conversion, and Particle Aging
2007	Roy, Subhadeep	Ph.D.	Advisor: B. Armitage	Exploring Interactions of Peptide Nucleic Acids with Quadruplex Forming DNA Motifs
2007	Robertson, Kelly	Ph.D.	Advisor: B. Armitage	Nucleic Acid Reagents for Imaging and Detection
2007	Popescu, Delia-Laura	Ph.D.	Advisor: T. J. Collins	Green Oxidation Technologies for Environmental Applications: Degradation of Persistent Pollutants by FeIII-TAML® Activated Peroxides and Kinetic and Mechanistic Studies
2007	Li, Xin	Ph.D.	Advisor: D. Sholl	Transition States for Surface-Catalyzed Reactions
2007	Lee, Hyung-il	Ph.D.	Advisor: K. Matyjaszewski	Macromolecular Brushes: From Synthesis to Functional Material
2007	Jakubowski, Wojciech	Ph.D.	Advisor: K. Matyjaszewski	From New Initiating Systems for Atom Transfer Radical Polymerization to Block Copolymers
2007	Huang, Jinyu	Ph.D.	Advisor: K. Matyjaszewski	Functional Polymers and Surfaces via Atom Transfer Radical Polymerization
2007	Dragulescu-Andrasi, Alina	Ph.D.	Advisor: C. Achim	Spin-Crossover and Charge-Transfer Phenomena in Iron-Based Polynuclear Complexes
2007	Chanda, Arani	Ph.D.	Advisor: T. J. Collins	Iron-TAML Activators of Peroxide — A Green Catalytic Oxidation System: Environmental Applications, Kinetic and Mechanistic Studies
2007	Beach, Evan S.	Ph.D.	Advisor: T. J. Collins	Fe-TAML Catalyzed Oxidation Chemistry for Water Cleaning Applications
2007	Banerjee, Deboshri	Ph.D.	Advisor: T. J. Collins	Green Oxidation Catalysis with Fe-TAML/Peroxide: Novel Applications in Microbial Deactivation, Kinetic and Reactivity Studies
2006	Zhou, Peng	Ph.D.	Advisor: D. Ly	Synthesis and Properties of Guanidine-Peptide Nucleic Acid
2006	Yu, Liping	Ph.D.	Advisor: L. Peteanu	Single Molecule Spectroscopy of Pre-RNA Splicing with Fluorescence Resonance Energy Transfer (FRET)
2006	Ye, PingPing	Ph.D.	Advisor: A. Gellman	Hydrogenation and β -Hydride Elimination on Pt(III) and Ni/Pt(III) and Surface Segregation in a PdCu Alloy
2006	Tang, Chuanbing	Ph.D.	Advisor: T. Kowaleski; K. Matyjaszewski	Nanostructured Carbon from Well-Defined Polyacrylonitrile (Co) Polymers Obtained by Controlled/Living Radical Polymerizations: From Synthesis and Characterization to Devices
2006	Stubna, Audria	Ph.D.	Advisor: E. Münck	Mössbauer Spectroscopy and DFT Studies of High-Valent Fe(IV) Species
2006	Stoian, Sebastian	Ph.D.	Advisor: E. Münck	Mössbauer and Quantum Chemical Studies of Fe(I) and Fe(II) Diketiminato Complexes, and of a Short-Lived Aqueous Fe(IV)=O Intermediate
2006	Smith, Timothy	Ph.D.	Advisor: L. Peteanu	Spectral Properties and Photophysics of Conjugated Polymers in Electric Fields
2006	Manjari, Swati R.	Ph.D.	Advisor: H. Kim	Thermodynamics of Solvation - A Continuum Perspective

2006	Liu, Lu	Ph.D.	Advisor: D. Yaron	Effects of Rotation on the Photophysics of Conductive Polymers
2006	Hannah, Kristen	Ph.D.	Advisor: B. A. Armitage	The Effects of Nucleic Acid Template and Dye Structure on Cyanine Dye Aggregation: An NMR and Optical Spectroscopic Investigation
2006	Dragulescu-Andrasi, Anca	Ph.D.	Advisor: D. Ly	Development of Cell-Permeable and Helically Preorganized Peptide Nucleic Acids
2006	Douglas, Justin	Ph.D.	Advisor: M. Llinás	Spectroscopic Characterization of the Interactions Between Peptide Ligands and the Multi-Domain Proteins Plasminogen and Matrix Metalloprotenase 2
2006	de Oliveira, Filipe Alexandre Ferreira Tiago	Ph.D.	Advisor: E. Münck	Mössbauer, Electron Paramagnetic Resonance and Density Functional Theory Studies of Iron (IV) and Iron (V) Complexes Involving Tetraamido Macrocyclic Ligands
2005	Tsarevsky, Nicolay V.	Ph.D.	Advisor: K. Matyjaszewski	Synthesis of Well-Defined Polymeric Materials with Polar Functional Groups by Atom Transfer Radical Polymerization
2005	Marin, Violeta L.	Ph.D.	Advisor: B. A. Armitage	Thermodynamic and Kinetic Investigation of Nucleic Acid Molecular Recognition by Synthetic Oligomers and Small Molecules
2005	Legleiter, Justin	Ph.D.	Advisor: T. Kowalewski	Atomic Force Microscopy for Studying Physicochemical Aspects of Alzheimer's Disease
2005	Janesko, Benjamin	Ph.D.	Advisor: D. Yaron	New Methods in Semiempirical Quantum Chemistry
2005	Dorairaj, Sudha	Ph.D.	Advisor: H. J. Kim	Solvation in Quadrupolar Solvents: A Continuum Approach
2004	Upadhyay, Anup	Ph.D.	Advisor: M. P. Hendrich	Spectroscopic Characterization of Multiheme Proteins from Nitrosomonas Europaea
2004	Tomlinson, Aimeé	Ph.D.	Advisor: D. Yaron	Modeling the Photophysics of Biological Dye Assemblies
2004	Sheina, Elena	Ph.D.	Advisor: R. D. McCullough	Synthesis and Characterization of Novel Regioregular Thiophene Polymers with Polyetheric Substituents
2004	Liu, Limin Angela	Ph.D.	Advisor: D. Yaron	Modeling the Effects of Disorder on the Photophysics of Organic Materials
2004	Kunz, Christopher	Ph.D.	Advisor: M. Kaplan	Charged Kaon Ratios and Yields Measured with the STAR Detector at the Relativistic Heavy Ion Collider
2004	Gu, Zhenyu	Ph.D.	Advisor: G. D. Patterson	Nano-Scale Structures of Supramolecules: From Fractal Bio-Microgels to Micellar Aggregates
2004	Ghosh, Anindya	Ph.D.	Advisor: T. J. Collins	Design, Synthesis and Mechanistic Studies of Iron-TAML Catalytic Activators of Hydrogen Peroxide and a New Activation Chemistry of Dioxygen by Iron
2004	Dilek, Isil	Ph.D.	Advisor: B. A. Armitage	Supramolecular Structures Involving Peptide Nucleic Acid
2004	Datta, Bhaskar	Ph.D.	Advisor: B. A. Armitage	Molecular Recognition Involving Guanine-Quartets and Hybrid Aptamers
2004	Cao, Rong	Ph.D.	Advisor: B. A. Armitage	Biomolecular Recognition: From Cyanine Dye-DNA Complexes to Recyclable Enzymes
2004	Bui, Hy	Ph.D.	Advisor: G. C. Berry	Viscoelastic Study of Reversible Gels and Block Copolymer Melts
2003	Pierce, Bradley	Ph.D.	Advisor: M. P. Hendrich	The Use of Quantitative EPR Techniques to Observe Active Site Assembly Within the Small Subunit of Ribonucleotide Reductase
2003	Golombek, Adina	Ph.D.	Advisor: M. P. Hendrich	EPR and Mössbauer Studies of Manganese and Iron Small Molecule Model Complexes and Proteins

2002	Zhai, Lei	Ph.D.	Advisor: R. D. McCullough	Fabrication of Micro- and Nanostructures from Functionalized Regioregular Poly (3-alkylthiophenes)
2002	Wang, Miaomiao	Ph.D.	Advisor: B. A. Armitage	Interactions of Cyanine Dyes with DNA or PNA Duplexes: Formation of Supramolecular Structures
2002	Savin, Daniel	Ph.D.	Advisor: G. D. Patterson	Rayleigh-Brillouin and Photon Correlation Spectroscopy of Poly (n-hexyl methacrylate) Near the Glass Transition, and Light Scattering and Thermal Characterization of Hybrid Nanoparticles
2002	Pyunn, Dong-Chul (Jeff)	Ph.D.	Advisor: K. Matyjaszewski	Synthesis of Nanostructured Organic/Inorganic Hybrid Materials Using Controlled/Living Radical Polymerization
2002	Pintauer, Tomislav	Ph.D.	Advisor: K. Matyjaszewski	Structural and mechanistic aspects of copper catalyzed atom transfer radical processes
2002	Pasquinnelli, Melissa	Ph.D.	Advisor: D. Yaron	An Effective Particle Approach to the Photophysics of Conjugated Polymers
2002	Liu, Jinsong	Ph.D.	Advisor: R. D. McCullough	End-Group Functionalization of Regioregular Head-to-Tail Poly(3-alkylthiophenes) and its Application to the Synthesis of Well-Defined Rod-Coil Block Copolymers: Tuning the Self-Assembly and Functional Properties of Conducting Polymers
2002	Kushon, Stuart	Ph.D.	Advisor: B. A. Armitage	A Thermodynamic and Kinetic Study of the Binding of PNA Probes to DNA and RNA Hairpin Structures
2002	Immaraporn, Boonchuan	Ph.D.	Advisor: A. Gellman	Kinetics Study of Acid Deprotonation and Dechlorination Reactions on Single Crystal Metal Surfaces
2002	Hangun, Yelda	Ph.D.	Advisor: T. J. Collins	Design and Study of Catalytic Activators of Hydrogen Peroxide Promising Rapid Efficient Petroleum Desulfurization and Bleaching Technologies
2002	Gupta, Sayam Sen	Ph.D.	Advisor: T. J. Collins	Iron-TAML Activators of Hydrogen Peroxide: Synthesis, Characterization and Environmental Applications
2002	Gehrmann, Marion	Ph.D.	Advisor: M. Llinás	Structural and Functional Similarities Between FII and Kringle Domains
2002	Chowdhury, Arindam	Ph.D.	Advisor: L. A. Peteanu	Electronic delocalization and charge-transfer properties of chemical and biological systems as measured by Stark spectroscopy
2001	Weibel, Jason	Ph.D.	Advisor: D. Yaron	New Methodologies for Electronic Structure Calculations on Organic Materials
2001	Pilston, Richard	Ph.D.	Advisor: R. D. McCullough	Synthesis and Characterization of Novel Regioregular Polythiophenes, Random Copolymers of Thiophene and Studies of the GRIM Polymerization Method for the Synthesis of Polythiophenes
2001	Paik, Hyun-Jong	Ph.D.	Advisor: K. Matyjaszewski	Kinetic studies and applications of atom transfer radical polymerization
2001	Jeon, Jonggu	Ph.D.	Advisor: H. J. Kim	Solvation and solute electronic structure in a continuum solvent picture
2001	Hu, Tom Chih-Chuang	Ph.D.	Advisor: A. Koretsky	Cardiac Magnetic Resonance Imaging of Mice: Assessment of Left-Ventricular Function, and Development of Manganese as a Functional Contrast Agent
2001	Grishaev, Alexander	Ph.D.	Advisor: M. Llinás	CLOUDS: A Computational Protocol for Protein Structure Elucidation via NMR Proton Densities
2001	Davis, Kelly A.	Ph.D.	Advisor: K. Matyjaszewski	Segmented copolymers by atom transfer radical polymerization

2000	Yoo, Sun Jae	Ph.D.	Advisor: E. Münck	Spectroscopic studies of novel metal clusters in iron-sulfur proteins
2000	Williams, Stacy Alayne	Ph.D.	Advisor: T. J. Collins	Synthesis, characterization and reactivity of high-valent copper complexes of macrocyclic tetraamido-N ligands
2000	Willard, Belinda Belle	Ph.D.	Advisor: S. T. Graul	Experimental and theoretical investigations of the metastable dissociations of organosilicon ions
2000	Vuocolo, Leonard Domenick	Ph.D.	Advisor: T. J. Collins	The preparation of iron complexes as green catalytic oxidant activators of hydrogen peroxide
2000	Qiu, Jian	Ph.D.	Advisor: K. Matyjaszewski	Atom transfer radical polymerization in aqueous dispersed media
2000	Premvardhan, Lavanya Louisa	Ph.D.	Advisor: L. A. Peteanu	Electrostatic properties of charge-transfer systems
2000	Popescu, Victoria-Codrina	Ph.D.	Advisor: E. Münck	Mossbauer and EPR studies of the hydrogen-cluster of the iron-hydrogenases from <i>C. pasteurianum</i> and of synthetic complexes designed to model the iron sites of the [(2)iron](H)-subcluster and Mossbauer studies of the transcription factor FNR of <i>Escherichia coli</i>
2000	Moore, Eric Edward	Ph.D.	Advisor: D. Yaron	Solid-state effects on the electronic structure of conjugated polymers
2000	Loewe, Robert Scott	Ph.D.	Advisor: R. D. McCullough	Synthesis, characterization, and development of structurally homogeneous polythiophenes (pts) and polythienylene vinylenes
2000	Beers, Kathryn L.	Ph.D.	Advisor: K. Matyjaszewski	Design, synthesis and properties of comb copolymers with variable grafting density by controlled radical polymerization
1999	Xia, Jianhui	Ph.D.	Advisor: K. Matyjaszewski	Development and Applications of New Catalysts in Atom Transfer Radical Polymerization
1999	Peterson, Matthew L.	Ph.D.	Advisor: S. W. Staley	1. Molecular Structure, Electronic Properties and Crystal Packing of 6-Arylfulvenes; 2. Charge Transfer in Biphenyl Bridged Dicyclooctatetraenes
1999	Miller, Peter	Ph.D.	Advisor: K. Matyjaszewski	Atom Transfer Radical Polymerization and the Synthesis of Well-Defined Inorganic/Organic Hybrid Polymeric Materials
1999	Martin, Gregory S.	Ph.D.	Advisor: S. W. Staley	Dynamic processes of monosubstituted cyclooctatetraenes, bridged dicyclooctatetraenes and bridged dicyclooctatetraenyl dianions
1999	Locknar, Sarah	Ph.D.	Advisor: L. A. Peteanu	Calculations and Experimental Measurements of the Effects of Solvent and External Electric Fields on the Absorption and Resonance Raman Spectra of Donor-Acceptor Polyenes and Retinals
1999	Kehlbeck, Joanne	Ph.D.	Advisor: S. W. Staley	Dynamic Processes of Cyclooctatetraenes and Aryl-Bridged Dicyclooctatetraenes and their Dianions
1999	Briknarová, Klára	Ph.D.	Advisor: M. Llinás	The second and third fibronectin type II modules from human matrix Metalloproteinase 2: Structure, function and dynamics
1998	Unlu, Mustafa	Ph.D.	Advisor: J. S. Minden	Identification of proteins involved in ventral furrow formation in <i>Drosophila melanogaster</i> embryos using difference gel electrophoresis: A modified two-dimensional gel electrophoresis technique
1998	Miller, Christine	Ph.D.	Advisor: T. J. Collins	Synthesis, characterization, and reactivity of high-valent manganese complexes of macrocyclic-tetraamido N-ligands
1998	Li, Feirong	Ph.D.	Advisor: J. S. Lindsey	New approaches for synthesizing meso-substituted porphyrins, and the synthesis and

			photophysical properties of light-harvesting model system
1998	Bursulaya, Badry	Ph.D. Advisor: H. J. Kim	Truncated adiabatic basis-set approach to the modeling of molecular polarizability in computer simulation studies
1998	Achim, Catalina	Ph.D. Advisor: E. Münck	Electron transfer involving mixed-valence metal clusters
1997	Randolph, John B.	Ph.D. Advisor: A. Waggoner	Design and optimization of multiply-labeled fluorescent DNA probes
1997	Kauffmann, Karl E.	Ph.D. Advisor: E. Münck	Mössbauer studies of model complexes relevant to the active sites of dioxygen-reducing enzymes
1997	Jayaraman, Manikandan	Ph.D. Advisor: R. D. McCullough	Synthesis and characterization of HT-Poly(3-Alkylthiophenes), HT-Random and alternating copolymers of 3-Alkylthiophenes and HT-Amphiphilic alternating copolymers of thiophenes & langmuir-blodgett assembly of HT-Amphiphilic alternating copolymers of thiophenes
1997	Grimm, Russell A.	Ph.D. Advisor: S. W. Staley	Dynamic processes of cyclooctatetraenes and bridged dicyclooctatetraenyl dianions
1997	Greszta, Dorota	Ph.D. Advisor: K. Matyjaszewski	Synthesis of novel gradient copolymers via atom transfer radical polymerization
1997	Gaynor, Scott G.	Ph.D. Advisor: K. Matyjaszewski	Branched and hyperbranched polymers by atom transfer radical polymerization
1997	Brown, Craig Matthew	Ph.D. Advisor: M. Kaplan	Statistical evaporation of light charged particles in heavy ion induced nuclear reactions
1997	Bartos, Michael J.	Ph.D. Advisor: T. J. Collins	Development and study of high valent iron complexes
1996	Young, William S.	Ph.D. Advisor: C. L. Brooks	Computational approaches to modeling simple protein folding events
1996	Williams, Shawn P.	Ph.D. Advisor: R. D. McCullough	The synthesis and properties of regioregular poly(2-substituted thiophenes) with polyetheric substituents, some properties of regioregular poly(3-alkylthiophenes), and efforts toward the synthesis of well-defined poly(Pyrrole) derivatives
1996	Vijaykumar, Sudha	Ph.D. Advisor: G. C. Berry	Rheological and rheo-optical studies on nematic solutions of a rodlike polymer: Poly(1,4-phenylene-2, 6-benzobisthiazole)PBZT)
1996	Ewbank, Paul C.	Ph.D. Advisor: R. D. McCullough	Synthesis of regioregular thiophene oligomers and polymers with amino and carboxylic acid substituents, protection of 3-(aminomethyl)thiophene by a novel, reversible thienopyrrole synthesis, and ionochromism in 2,5-poly(thiophene-3-propionic acid).
1995	Zhu, Zhengrong	Ph.D. Advisor: A. Waggoner	Study of fluorescent dns probes and optimal labeling methods
1995	Johnson, Thomas Erik	Ph.D. Advisor: J. S. Lindsey	Porphyrin-based light-harvesting arrays: Synthesis, characterization and photophysics
1995	Hu, Chih-Kao	Ph.D. Advisor: M. Llinás	NMR studies of the antithrombotic peptide PN 7002 and the fibrinolytic protein BM 06.022
1995	Gordon-Wylie, Scott W.	Ph.D. Advisor: T. J. Collins	High valent manganese and cobalt complexes of oxidatively robust n and o donor ligands
1995	Fossum, Eric A.	Ph.D. Advisor: K. Matyjaszewski	Ring opening polymerization of cyclotetrasilanes: A versatile route to polysilylenes
1995	Belot, John A.	Ph.D. Advisor: R. D. McCullough	Synthesis and characterization of new organic, inorganic, and organometallic tetrathiafulvalenes and CdSe hybrid materials
1994	Yue, Sunquiong	Ph.D. Advisor: G. C. Berry	Light scattering studies of intermolecular interactions in polymer solutions
1994	White, Michael L.	Ph.D. Advisor: K. Matyjaszewski	The synthesis and characterization of polyphosphazene copolymers

1994	Martin, Paul C.	Ph.D.	Advisor: D. F. Bocian	Spectral characterization of bacterial reaction centers and related model compounds
1994	Hwang, Yunil	Ph.D.	Advisor: G. D. Patterson	Photon correlation spectroscopy of poly(n-hexyl methacrylate) and poly(ethyl methacrylate) as a function of temperature and pressure
1994	Diao, Beibei	Ph.D.	Advisor: G. C. Berry	Rheological and optical studies on solutions of rodlike poly(1,4-phenylene-2,6-benzobisthiazole)
1993	Yu, Hong	Ph.D.	Advisor: A. Waggoner	Development and application of cyanine dye-labeled DNA probes
1993	Siesel, David A.	Ph.D.	Advisor: S. W. Staley	Synthesis and dynamic NMR studies of bridged dicyclooctatetraenes and alkynylcyclooctatetraenes
1993	Montague, Robert A.	Ph.D.	Advisor: K. Matyjaszewski	Synthesis of polyphosphazenes via the catalyzed polymerization of phosphoranimines
1993	Kostka, Kimberly L.	Ph.D.	Advisor: T. J. Collins	Synthesis and characterization of high-valent iron complexes of macrocyclic tetraamido-N ligands
1993	Johnson, Benny G.	Ph.D.	Advisor: J. A. Pople	Development, implementation and performance of efficient methodologies for density functional calculations
1993	Hrkach, Jeffrey Scott	Ph.D.	Advisor: K. Matyjaszewski	Synthesis of graft copolymers with a polysilane backbone and organic side chains
1993	Bokman, Anne Marguerettaz	Ph.D.	Advisor: M. Llinás	Urokinase kringle domain: solution structure and ligand-binding properties
1992	Workman, Jose Mari	Ph.D.	Advisor: T. J. Collins	Routes to multimetallic high oxidation state transition metal complexes
1992	Strnad, Jeffrey T.	Ph.D.	Advisor: S. W. Staley	Structural and electronic effects on the spectroscopy of [pi]-electron systems: 1. Electron transmission spectroscopy ; 2. Nuclear magnetic resonance spectroscopy
1992	Ruehl, Karen E.	Ph.D.	Advisor: K. Matyjaszewski	Synthesis and characterization of functionalized oligo- and polysilanes
1992	Replogle, Eric S.	Ph.D.	Advisor: S. W. Staley; J. A. Pople	The development and application of electron correlation methods
1992	Rejante, Marita R.	Ph.D.	Advisor: M. Llinás	Proton NMR studies on the structure and ligand-binding properties of human plasminogen kringles 1 and 4
1992	Procyk, Alexander D.	Ph.D.	Advisor: D. F. Bocian	Spectroscopic analyses of hydroporphyrin [sic] model complexes
1991	Tobias, Douglas J.	Ph.D.	Advisor: C. L. Brooks	The formation and stability of protein folding initiation structures
1991	Sneddon, Scott F.	Ph.D.	Advisor: C. L. Brooks	Modelling electron transfer in peptides and proteins
1991	Lisicki, Mark	Ph.D.	Advisor: A. A. Bothner-By	Magnetic susceptibility studies using high field NMR
1991	Lin, Chih-hwa	Ph.D.	Advisor: K. Matyjaszewski	A mechanistic study of living cationic polymerization of alkenes
1991	Lee, Ju M.	Ph.D.	Advisor: A. A. Bothner-By	Transverse nuclear Overhauser effect
1991	Kaatz, Philip Gerald	Ph.D.	Advisor: G. D. Patterson	Optical third harmonic generation from isotropic multilayer media
1991	Foresman, James B.	Ph.D.	Advisor: J. A. Pople	Ab initio molecular orbital theory for excited states
1991	Constantine, Keith L.	Ph.D.	Advisor: M. Llinás	Proton magnetic resonance and modeling studies of ferrichrome peptides and type II domains

1991	Byeon, In-Ja Lee	Ph.D.	Advisor: M. Llinás	NMR studies of the tissue-type plasminogen activator kringle 2 domain
1990	Zimmerman, Janet Warren	Ph.D.	Advisor: B. Imperiali	Investigation of the initial steps of asparagine-linked glycosylation
1990	Wagner, Richard W.	Ph.D.	Advisor: J. S. Lindsey	Synthetic strategies for the preparation of new porphyrin architectures
1990	Sullivan, Vincent Joseph	Ph.D.	Advisor: G. C. Berry	Rheology, phase behavior and dilute solution properties of blends of the rodlike poly(p-phenylene benzobisoxazole) and flexible chain poly(2, 5-benzoxazole) in sulfonic acid solvents
1990	Srinivasarao, Mohan	Ph.D.	Advisor: G. C. Berry	Rheo-optical studies on a polymer liquid crystal under the influence of flow or magnetic fields
1990	Liu, Philip C.	Ph.D.	Advisor: G. C. Berry	Rheological studies on dispersions of magnetic particles
1990	Kim, Hwan Kyu	Ph.D.	Advisor: K. Matyjaszewski	Sonochemical synthesis of well-defined polysilanes
1990	Duchowski, John K.	Ph.D.	Advisor: D. F. Bocian	Spectroscopic studies of lanthanide porphyrin sandwich compounds: effects of strong [pi-pi] interaction
1990	Bickerstaff, Richard David	Ph.D.	Advisor: L. R. Sita	Cyclic and polycyclic stannanes of classical and non-classical structure
1989	Shukla, Rajesh B.	Ph.D.	Advisor: A. A. Bothner-By	Isolation and characterization of locked spin states
1989	Ramaswami, Varadarajan	Ph.D.	Advisor: D. A. Tirrell	A photolabeling technique for the study of polymer-cell surface interactions
1989	Parker, Winifred E.	Ph.D.	Advisor: M. Kaplan	Mechanisms for light charged particle production in the reactions 905 and 1030 MeV (superscript 121)Sb+(superscript 27)Al and 550 and 750 MeV (superscript 86)Kr+(superscript 63)Cu
1989	Kolsky, Kathryn L.	Ph.D.	Advisor: P. J. Karol	Radiochemical studies of very deep spallation reactions
1989	Kim, Seong H.	Ph.D.	Advisor: G. D. Patterson	Static and dynamic light scattering of poly-(α -methyl styrene) in toluene
1989	Jue, Patricia K.	Ph.D.	Advisor: G. D. Patterson	Rayleigh-Brillouin and photon correlation spectroscopy of poly (n-butyl methacrylate) near the glass transition region
1989	Head-Gordon, Teresa L.	Ph.D.	Advisor: C. L. Brooks	Macroscopic and microscopic simulation methods as applied to biological systems
1989	Head-Gordon, Martin P.	Ph.D.	Advisor: J. A. Pople	Direct AB initio molecular orbital methods for the study of large molecules
1989	Chen, Shean-je	Ph.D.	Advisor: G. C. Berry	Physical chemical studies on moderately concentrated solutions of polystyrene in cyclohexane and in carbon disulfide
1988	Stoll, Ford Paul, Jr.	Ph.D.	Advisor: P. J. Karol	Positronium interactions with isolated species in the vapor phase
1988	Masthay, Mark B.	Ph.D.	Advisor: R. R. Birge	Molecular orbital and two-photon spectroscopic studies of conjugated pi-systems
1988	Kim, Churl S.	Ph.D.	Advisor: G. C. Berry	Rheological behavior of blends of rodlike and flexible chain polymers in isotropic solution
1988	Findsen, Leonore A.	Ph.D.	Advisor: R. R. Birge	Molecular orbital studies of biological molecules
1988	Boldt, Nancy J.	Ph.D.	Advisor: D. F. Bocian	Resonance raman studies of biomolecular systems: I. Chlorophyll model compounds. II. Bacterial photosynthetic reaction centers
1988	Atamian, Michael	Ph.D.	Advisor: D. F. Bocian	Effects of peripheral substituents on the redox and spectroscopic properties of metalloporphyrins. I. Model complexes. II. Hemoproteins

1987	Thewes, Theresa	Ph.D.	Advisor: M. Llinás	Purification and initial $^1\text{H-NMR}$ investigations of a unique Kringle 5 domain
1987	Spencer, Cynthia P.	Ph.D.	Advisor: G. C. Berry	Anisotropic phase polymerization kinetics rodlike polymer poly[benzo(1,2-d:4,5-d')bisthiazole-2,6-diyl)-1,4-phenylene]
1987	Skoglund, Cynthia Mae	Ph.D.	Advisor: A. A. Bothner-By	Molecular orientation studies using high field NMR
1987	Prementine, Glenn S.	Ph.D.	Advisor: D. A. Tirrell	Model copolymer reactions
1987	Petros, Andrew M.	Ph.D.	Advisor: M. Llinás	Proton magnetic resonance studies on the kringle 4 fragment from plasminogen
1987	Munoz, Alberto	Ph.D.	Advisor: G. D. Patterson	Rayleigh-Brillouin spectroscopy of some simple globular liquids
1987	Furukawa, Ruth H.	Ph.D.	Advisor: G. C. Berry	Dilute solution characterization of rodlike poly [1,4-phenylene benzobisthiazole] (PBT) and articulated copolymers of PBT and poly [1,4-phenylene benzobisoxazole] (PBO)
1987	Babirad, Stefan Allen	Ph.D.	Advisor: K. Sakan; J. S. Lindsey	Synthetic and conformational analysis of erythronolide derivatives and C-1,4-disaccharides
1986	Wei, Caroline Chao-Hui	Ph.D.	Advisor: G. C. Berry	Study of dilute solution properties of rod and rodlike polymers
1986	Tobin, Michael Joseph	Ph.D.	Advisor: P. J. Karol	Intermediate energy scattering studies by activation techniques
1986	Park, Jung O.	Ph.D.	Advisor: G. C. Berry	Viscoelastic behavior of polystyrene solutions in a good solvent and in a theta solvent
1986	Moses, David John	Ph.D.	Advisor: M. Kaplan	Studies of helium-4/proton emission in fission and deeply inelastic reactions of 485-MeV Fe(56) with Au(197)
1986	McDaniel, Roseann Frances	Ph.D.	Advisor: W. H. Waddell	Synthesis and photochemistry of reactive organic compounds: Part 1. Octatetraene and its deuterated analogue. Part 2. Phenyl azide and its substituted derivatives
1986	Elliott (ne: Jones), Sharon A.	Ph.D.	Advisor: D. A. Tirrell	Model copolymerization reactions: penultimate and complex-participation effects in radical addition to olefins
1985	Turek, Anne B.	Ph.D.	Advisor: D. A. Tirrell	Interaction of ionene polymers with dipalmitoylphosphatidylglycerol bilayers
1985	Smith, Douglas A.	Ph.D.	Advisor: K. Sakan; K.N. Houk	Studies on the intramolecular diels-alder reaction of internally activated trienes
1985	Ramprasad, Dorai	Ph.D.	Advisor: VanDyke	A study of the reactions of organosilicon-substituted alcohols and amines with cationic platinum (II) carbonyl complexes
1985	Murray, Lionel P.	Ph.D.	Advisor: R. R. Birge	Two-photon spectroscopy of biological molecules
1985	Meitz, David W.	Ph.D.	Advisor: G. C. Berry	Complicated rheological properties of a suspension of crosslinked polystyrene particles in a polystyrene fluid and a rheological investigation
1984	Takigawa, Doreen Y.	Ph.D.	Advisor: D. A. Tirrell	Physical studies of polymer-phospholipid mixtures
1984	Shih, Jenn-Shyong	Ph.D.	Advisor: D. A. Tirrell	Synthesis of new reactive polyethers and polysulfides
1984	Peterson, Mark Warren	Ph.D.	Advisor: R. M. Richman	Photochemical and photothermal studies of bis(dibenzoylemethanato)-dioxomolybdenum, bis(diethyldithiocarbamate) dioxomolybdenum, u-oxo-bis((tetraphenylporphinate) iron (III)) and u-oxo-bis((tetra(4-carboxy) phenylporphinate) iron (III))
1984	Gayathri, Chakicherla	Ph.D.	Advisor: A. A. Bothner-By	Molecular orientation effects in high fields NMR of isotropic solutions

1984	Feilchenfeld, Natalie B.	Ph.D.	Advisor: W. H. Waddell	Pulsed-laser and cryogenic spectroscopic investigations on intermediates formed in the photo-initiated autocatalytic chain decomposition (PACD) reaction of phenyl azide and phenyl isocyanate
1984	Abrams, Leatrice	Ph.D.	Advisor: W. E. Brown	Some studies on the interaction of IgG and Clq
1983	Tsai, Hsin-Hsing	Ph.D.	Advisor: G. C. Berry	Phase equilibrium and rheological studies of solutions of rodlike, articulated polymers and their mixtures
1983	Frisch, Michael Jay	Ph.D.	Advisor: J. A. Pople	Studies of chemical reactions using moller-plesset theory
1983	Burchfield, David	Ph.D.	Advisor: G. C. Berry	The photochemistry of the u-oxo-bis-(Pentaamineruthenium (III)) (4+) ion in aqueous solution
1982	Zussman, Melvin P.	Ph.D.	Advisor: D. A. Tirrell	Poly (chloromethylthiirane)-poly (3-chlorothietane): an example of backbone assisted reactivity and dynamic isomerism in polymeric chloroalkyl sulfides
1982	Lecomte, Juliette	Ph.D.	Advisor: M. Llinás	Magnetic resonance studies of crambin and homologous thionins and toxins
1982	Go, Celia Lee	Ph.D.	Advisor: W. H. Waddell	The photoinitiated decomposition of phenyl azide and its derivatives: evidence for a chain reaction
1981	Whiteside, Robert Alfred	Ph.D.	Advisor: J. A. Pople	Small homonuclear clusters of beryllium and boron
1981	Venkatraman, Subramanian S.	Ph.D.	Advisor: G. C. Berry	Studies on the thermodynamic rheological, and rheo-optical properties of a rigid-rod polymer in solution
1981	Mullins, Oliver Clinton	Ph.D.	Advisor: M. Kaplan	Perturbed angular correlation studies of electric field gradients in metalloporphyrins
1981	Krishnan, Akola	Ph.D.	Advisor: M. Kaplan	A Mossbauer spectroscopic study of magnetic relaxation effects in ferric bromide hexahydrate
1981	Denys, Lydia	Ph.D.	Advisor: A. A. Bothner-By	Magnetic resonance studies on the conformational diversity of bradykinin at 600 MHz
1981	Bose, Krishna	Ph.D.	Advisor: A. A. Bothner-By	Studies on the solution conformations of parvalbumin
1980	West, John Lawton	Ph.D.	Advisor: W. H. Waddell	The influence of methyl substitution on the photochemistry of retinal
1980	Raghavachari, Krishnan	Ph.D.	Advisor: J. A. Pople	Electron correlation theories and their application to the study of carbocations
1980	Mokhtarzadeh, Morteza	Ph.D.	Advisor: R. R. Rothfus	Dynamic modeling of low thermal gradient evaporators and condensers
1980	Lee, Kuo-Shin	Ph.D.	Advisor: R. L. Kay	A radio-frequency moving-boundary detector and its application
1980	Clark, James Lewis	Ph.D.	Advisor: A. A. Caretto Jr.	A radiochemical study of the medium energy pion double charge exchange reactions: $[^{209}\text{Bi}(\text{P}i^+, \text{P}i^- x n)^{(209-x)} \text{At}]$
1979	Shiba, Conrad Frank	Ph.D.	Advisor: W. H. Waddell	Synthesis and photochemistry of some platinum (II)-alkoxycarbonyl complexes
1979	Poper, John A.	Ph.D.	Advisor: J. A. Pople	Moller-Plesset electron correlation studies of atoms and small molecules
1979	Metzger, Patricia C.	Ph.D.	Advisor: G. C. Berry	Effects of aggregation and electrostatic repulsions on solution properties of flexible and rodlike polymers
1979	Mance, Andrew M.	Ph.D.	Advisor: VanDyke	Synthesis and characterization of some chromium tricarbonyl complexes of phenylsilanes
1979	Cotts, David B.	Ph.D.	Advisor: G. C. Berry	Polymerization kinetics of the rodlike polymer poly-[benzo(1,2-D:5,4-D') bisoxazole-2,6-diyl]-

			1, 4-phenylene (PBO)
1979	Binkley, John S.	Ph.D. Advisor: J. A. Pople	Meller-Plesset electron studies of atoms and small molecules
1978	Meyers, M. Carol Sister	Ph.D. Advisor: L. J. Boucher	Personalized System of Instruction (PSI) in general chemistry at a small college
1978	Lin, Chia-Cheng	Ph.D. Advisor: T. P. Kohman	Comparison of Sm-Nd and U-Pb dating methods in rare earth and associated minerals from pegmatites
1978	Hanusa, Lothar H.	Ph.D. Advisor: W. L. Mock	A new synthesis of B-epsilon-unsaturated ketones and nitriles. A preparation and acylation of allylic alkyl mercury reagents
1978	Farrell, Mark Oliver	Ph.D. Advisor: L. J. Boucher	Preparation, characterization and catalytic activity of some organometallic rhodium(I) catalysts supported on polyorganosiloxane polymers
1978	Epstein, Joel	Ph.D. Advisor: R. F. Stewart	Model studies for the analysis of scattered intensities from X-ray and high energy electron diffraction
1978	Aromatorio, Debra Kay	Ph.D. Advisor: D. J. Hartshorne	Calcium regulation in smooth muscle: isolation and characterization of the myosin light chain kinase
1977	Seamon, Kenneth	Ph.D. Advisor: A. A. Bothner-By	Magnetic resonance studies on calcium binding protein
1977	Hager, Bruce L.	Ph.D. Advisor: G. C. Berry	Intermolecular interactions in moderately concentrated polymer solutions: a study of polystyrene in several solvents by viscometry and light scattering
1977	Doraiswamy, Krishna C.	Ph.D. Advisor: R. B. Carlin	Some ring opening reactions of bicyclopropyl and related compounds
1977	Aksoy, Mark	Ph.D. Advisor: D. J. Hartshorne	Regulation of Mg ⁺⁺ -ATPase and contraction in smooth muscle
1976	Zemel, Haya	Ph.D. Advisor: R. W. Fessenden	Electron spin resonance and pulse radiolysis studies of the mechanism and kinetics of SO ₄ ⁻ reactions with aromatic compounds in aqueous solution
1976	Yates, Mary Anne	Ph.D. Advisor: A. A. Caretto Jr.	A systematic study of proton- and alpha-induced simple reactions
1976	Wilson, Elizabeth Jane	Ph.D. Advisor: M. Kaplan	Perturbed angular correlation studies of chemically generated electric quadrupole interactions
1976	Poo, Wen-Jen H.	Ph.D. Advisor: D. J. Hartshorne	Studies on the control mechanism of skeletal muscle: relative movement between actin and tropomyosin
1976	Klobuchar, Richard Louis	Ph.D. Advisor: P. J. Karol	Positronium annihilation probe for reaction kinetics: results for hydrogen atoms, oxygen-argon, and ozone-chloro-fluorocarbon systems
1976	Isildar, Mahmut	Ph.D. Advisor: R. H. Schuler	Studies of electron scavenging and fragmentation processes in the radiolysis of hydrocarbons
1976	Harina, Benjamin M.	Ph.D. Advisor: A. A. Bothner-By	NMR and fluorescence studies of a Hapten-antibody interaction
1976	Dhawan, Balram	Ph.D. Advisor: P. L. Southwick	Synthesis of 4, 6-diaminopyrazolo (3,4-d) pyrimidine derivatives. Synthesis of 1-amidino-4-arylpiperazines and a convenient preparation of monoarylpiperazine hydrochlorides
1976	Coe, Charles Gardner	Ph.D. Advisor: L. J. Boucher	Synthesis and characterization of some manganese (III) and manganese (III,IV) Schiff base complexes
1975	Verma, Naresh C.	Ph.D. Advisor: R. W. Fessenden	Time resolved ESR spectroscopy of transient free radicals produced by the pulse radiolysis of aqueous solutions

1975	Thomas, Thomas James	Ph.D.	Advisor: R. B. Carlin	I. The Fischer indole reaction of cyclohexanone 2, 6-dimethylphenyl-hydraxone. II. The low temperature ozonolysis of 2, 8-dimethyl-7-phenyl-6-azabicyclo (3.2.1.) octa-2, 6-diene-8-carboxylic acid and its esters
1975	Shields, Glen Dennis	Ph.D.	Advisor: L. J. Boucher	Coordination chemistry of anchored silica compounds
1975	Rohm, Benita J.	Ph.D.	Advisor: L. J. Boucher	The base hydrolysis of some manganese porphyrin complexes
1975	Miro, Nemesio D.	Ph.D.	Advisor: VanDyke	A study of some silicon-functional silyl and silylmethyl transition metal complexes
1975	Lynch, Kevin Patrick	Ph.D.	Advisor: J. V. Michael	Lyman-[Greek symbol alpha] absorption photometry at high pressure and atom density: kinetic results for hydrogen atom recombination..n Part II,:p Di
1975	Liu, Shih-chun	Ph.D.	Advisor: C. R. Worthington	Sarcoplasmic reticulum membranes: biochemical and low-angle X-Ray diffraction studies
1975	Ku, Thomas Hsiu-Heng	Ph.D.	Advisor: P. J. Karol	Radiochemical investigations of the influence of target composition on alpha spallation of molybdenum isotopes
1975	Keenan, Michael J.	Ph.D.	Advisor: R. B. Carlin	A study of alkyl migrations in dienone-phenol and analogous systems
1975	Driska, Steven Paul	Ph.D.	Advisor: D. J. Hartshorne	Calcium control of smooth muscle contractile proteins
1974	Singh, Rajendra Kumar	Ph.D.	Advisor: P. K. McCurry	Part I. Total synthesis of -Vetivone and Spiro-sesquiterpenoids via novel spiroannulation reactions. Part II. Re-examination of 2, 5-Diketon cyclization and synthesis of Cis-Jasmone and its analogs via the Retroadol-Aldol pathway
1974	Schwab, Thomas Carroll	Ph.D.	Advisor: J. V. Michael	A kinetic investigation of the thermal dissociation of molecular hydrogen in a shock tube using a technique of Lyman-alpha photometric detection
1974	McClure, Michael David	Ph.D.	Advisor: D. L. Weaver	Structural studies of some transition metal triphenylcyclopropenyl complexes
1974	Maciunas, Grazina Maria	Ph.D.	Advisor: D. L. Weaver	Structural studies of some transition metal nitrosyl complexes
1974	Cowfer, Joseph A.	Ph.D.	Advisor: J. V. Michael	I. Experimental and theoretical investigation of nonequilibrium kinetic isotope effects in chemically activated ethyl radicals. II. A kinetic investigation of the reactions of atomic hydrogen and deuterium with silane and mono-, di-, and trimethylsilane conducted in a discharge flow system with mass spectrometric detection
1974	Beres, John Joseph	Ph.D.	Advisor: L. E. Alexander	Crystal structure analysis of two cyclic urethane oligomers
1974	Bently, John J., Jr.	Ph.D.	Advisor: R. F. Stewart	Charge density analysis of coherent X-ray scattering by diatomic molecules
1974	Aufderheide, Brian E.	Ph.D.	Advisor: R. F. Sprecher	Synthesis, boron-11 shift assignments and correlations for halogenated decaboranes, carboranes and derivatives, and thermal re-arrangements of 1-phenyl-3-fluoro-o-carborane
1973	Urbon, John A.	Ph.D.	Advisor: A. A. Caretto Jr.	A study of the reaction mechanisms involved in the formation of ²⁴ Na from ⁷⁵ As at high proton bombarding energies
1973	Murphy, John Richard	Ph.D.	Advisor: P. L. Southwick	Tetracyclic analogues of tryptamine: derivatives of the pyrrolo [3', 4': 4,5] pyrrolo [3, 4-b] indole ring system
1973	Manocha, Amar-Jit Singh	Ph.D.	Advisor: W. G. Fateley	Far-infrared studies of internal rotation about single bonds
1973	Lindsey, John J.	Ph.D.	Advisor: P. L. Southwick	The chemistry of some hitro enols and nitro enol ethers: 1-cyclohexyl-4-nitro-2-oxo-3-pyrrolin-

			3-yl as a protecting group for amino acids
1973	Kite, George F.	Ph.D. Advisor: C. J. Grundmann	Studies of the chemistry of nitrile oxides and related compounds
1973	Keil, David G.	Ph.D. Advisor: J. V. Michael	An investigation of some gas phase reactions of hydrogen atoms with unsaturated hydrocarbons and some isotopic and mixed isotopic variations by mass spectrometric detection in a discharge flow system: absolute rate determinations and mechanism investigations
1973	Hariharan, P. C.	Ph.D. Advisor: J. A. Pople	A study of the use of polarization functions in molecular orbital calculations on organic compounds
1973	Frishberg, Mark David	Ph.D. Advisor: P. L. Southwick	Synthesis of folic acid analogues in the pyrrolo [3, 4-g] pteridine series
1973	Daniel, James L.	Ph.D. Advisor: D. J. Hartshorne	The role of sulfhydryl groups in the regulation of muscle activity
1973	Curtiss, Larry A.	Ph.D. Advisor: J. A. Pople	A study of hydrogen-bonded complexes using ab initio molecular orbital theory
1973	Chawla, Om Prakash	Ph.D. Advisor: R. W. Fessenden	An electron spin resonance study of the mechanism and kinetics of photochemical reactions in aqueous solutions
1973	Bulkowski, John E.	Ph.D. Advisor: VanDyke	The synthesis and study of some organofluorosilanes and germanes and certain o-alkyl transition metal derivatives containing silicon
1973	Bogan, Denis J.	Ph.D. Advisor: C. W. Hand	Kinetics of the reaction of ethylene oxide with O ₃ P atoms
1973	Amarnath, Venkataraman	Ph.D. Advisor: P. L. Southwick	Synthesis of 6, 7-dihydro-5H-pyrrolo[3,4-d] pyrimidine derivatives of antimalarial interest
1973	Ahumada, Jorge J.	Ph.D. Advisor: J. V. Michael	The usefulness of the mercury photosensitized decomposition of molecular hydrogen as a source of hydrogen atoms in chemical kinetics
1972	Williams, Robert Allen	Ph.D. Advisor: A. A. Caretto Jr.	Transfer vs. compound nuclear mechanisms in the reaction of heavy ions with medium-mass targets
1972	Watt, C. Ian F.	Ph.D. Advisor: W. L. Mock	The synthesis of some intermediates directed toward the preparation of pentacyclo [5.3.2.0 ^(superscript 4, 11) .0 ^(superscript 10,8)] dodecatriene
1972	Srinivasan, K. R.	Ph.D. Advisor: R. L. Kay	The pressure dependence of the dielectric constant of polar liquids
1972	Soylemez, Turan	Ph.D. Advisor: R. H. Schuler	The radiation chemistry of aqueous solutions of aliphatic hydrocarbons
1972	Ramarao, Muppalla	Ph.D. Advisor: A. A. Bothner-By	Study of rotational isomerism in acyclic ketones by proton magnetic resonance spectroscopy
1972	Obenauf, Ralph H.	Ph.D. Advisor: C. W. Hand	The reaction of dicyanoacetylene with atomic oxygen and active nitrogen studies in a flow system with mass spectrometric detection
1972	Nugent, Richard M., Jr.	Ph.D. Advisor: W. L. Mock	Stereochemistry of cycloadducts of conjugated dienes and sulfinylamides, and aspects of mechanisms regarding five- and six-membered ring fo
1972	Molecke, Martin A.	Ph.D. Advisor: A. A. Caretto Jr.	A differential recoil and angular distribution study of several (p, pxn) and (p, xn) reactions of ¹³³ Cs with 550 MeV protons
1972	Marcus, Lawrence H.	Ph.D. Advisor: VanDyke	An investigation of alkali metal derivatives of germane and some new fluorosilyl compounds
1972	Lathan, William A.	Ph.D. Advisor: J. A. Pople	Structures and stabilities of small molecules using AB INITIO Lcao-Mo theory

1972	Laroff, Gary P.	Ph.D.	Advisor: R. W. Fessenden	Electron spin resonance studies of the structure and proton transfer kinetics of some radiation produced free radicals in aqueous solution
1972	Huey, James M.	Ph.D.	Advisor: T. P. Kohman	Lead and thallium abundances and isotopic composition in chondrite meteorites
1972	Herrington, Daniel R.	Ph.D.	Advisor: L. J. Boucher	Stereochemistry of B-Diketone complexes of cobalt (III)
1972	Hartman, Marvis E.	Ph.D.	Advisor: A. K. Colter	A new B-Keto Ester synthesis: the triethyloxonium ion catalyzed homologation of ketones with diazoacetic esters
1972	Finch, Mary A.	Ph.D.	Advisor: VanDyke	The synthesis and study of some selected organosilyl fluorides, fluorosilyl isocyanates, and mixed silyl germyl chalcogen compounds
1972	Dufresne, Richard Frederick	Ph.D.	Advisor: P. L. Southwick	Thermal cyclizations of 3-(2-arylhydrazino)-3-pyrroline derivatives: a study of the Fischer indole synthesis
1972	Balaram, Padmanabhan	Ph.D.	Advisor: A. A. Bothner-By	A proton magnetic response study of the binding of lysine-vasopressin and peptide analogs to bovine neurophysin-II
1971	Yeh, Chuin-Tih	Ph.D.	Advisor: J. V. Michael	The Lyman(alpha) photometric measurements of the steady-state hydrogen atom concentrations from the mercury photosensitized decomposition of molecular hydrogen
1971	Williams, Lawrence F.	Ph.D.	Advisor: A. A. Bothner-By	Nuclear magnetic resonance studies of nematic phase solutions of hexafluorobenzene 3, 3, 3-trifluoropropene and propene
1971	Pribadi, Krishnahadi S.	Ph.D.	Advisor: R. L. Kay	Ionic mobilities at high pressures
1971	Miller, Don Paul	Ph.D.	Advisor: J. A. Pople	AB initio calculations of some first and second order properties
1971	Lloyd, Roger V.	Ph.D.	Advisor: D. E. Wood	EPR study of free radicals in an adamantane matrix
1971	Kostelnik, Robert James	Ph.D.	Advisor: A. A. Bothner-By	A cadmium-113 nuclear magnetic resonance study of cadmium (II): ligand binding in aqueous solutions
1971	Infelta, Pierre P.	Ph.D.	Advisor: R. H. Schuler	Some considerations on ion recombination process in the radiolysis of hydrocarbons: application to studies at low temperature
1971	Hehre, Warren Joseph	Ph.D.	Advisor: J. A. Pople	The development of Gaussian basis sets for use in AB Initio molecular orbital calculations on organic molecules
1971	Boynton, William Vandegrift	Ph.D.	Advisor: E. J. Green	An investigation of the thermodynamics of calcite-rhodochrosite solid solutions
1970	Tuggle, Richard Michael	Ph.D.	Advisor: D. L. Weaver	Structural studies of triphenylcyclopropenium transition metal complexes
1970	Tuazon, Ernesto C.	Ph.D.	Advisor: W. G. Fateley	Vibrational studies
1970	Sullivan, Daniel Stephen, III	Ph.D.	Advisor: P. L. Southwick	Reactions in angularly substituted pyrrolo [3, 4-b] indoles
1970	Osborne, David M.	Ph.D.	Advisor: J. V. Michael	Absolute rate constants and relative third body effects for the reactions: H + C ₂ H ₄ , H + C ₂ D ₄ , D + C ₂ D ₄ , H + C ₂ H ₂ , H + O ₂ , and H + NO
1970	McKenna, Arthur L., III	Ph.D.	Advisor: A. K. Colter	Chemical behavior of charge-transfer complexes: an investigation of donor catalytic effectiveness in the acetolysis of 2,4,7-Trinitro-9-Fluorenyl, p-Toluenesulfonate
1970	Kuo, Agnes Tze-Wen	Ph.D.	Advisor: R. J. Kurland	Nuclear magnetic resonance studies of cupric acetate dimer exchange with bulk acetic acid

1970	Klijanowicz, James E.	Ph.D.	Advisor: P. L. Southwick	The chemistry of certain 3-hydroxypyrazolidine and 3-hydroxy-pyrazoline derivatives
1970	Ammons, Vernon G.	Ph.D.	Advisor: G. C. Berry	Determination of synthesis parameters and molecular characterization of polybisbenzimidazo-benzophenathroline-dione
1969	Yevich, Joseph P.	Ph.D.	Advisor: P. L. Southwick	Synthesis of tryptamine analogs containing the pyrrolo [3, 4-b] indole and pyrrolo [3', 4':4, 5] pyrrols [3, 4-b] indole ring systems
1969	Viswanathan, Narayanasamy	Ph.D.	Advisor: VanDyke	A study of some new silicon, germanium and tin derivatives
1969	Unangst, Paul Charles	Ph.D.	Advisor: P. L. Southwick	Imidates and amidines containing a conjugated acetylenic bond: some reactions of amines with derivatives of o-chlorophenylpropionic acid
1969	Turkos, Robert C.	Ph.D.	Advisor: A. K. Colter	Chemical behavior of charge-transfer complexes. Investigation of the catalytic effects of pi - acceptors on the rate of aromatic donors
1969	Tirman, Alvin	Ph.D.	Advisor: J. P. Fugassi	The rate of anodic polarization of iron and iron alloys
1969	Stalker, Allan C.	Ph.D.	Advisor: A. A. Caretto Jr.	A recoil study of (p, n) and (p, 2n) reactions for proton bombarding energies of 100 to 400 MeV
1969	Snyder, Carroll A.	Ph.D.	Advisor: P. L. Southwick	Compounds in the pyrrolo [3, 4-d] pyrimidine series and compounds in the dipyrrolo [3, 4-b: 3', 4'e] pyridine series
1969	Pietrzak, Theodore	Ph.D.	Advisor: D. E. Wood	Electron spin resonance studies
1969	Ostlund, Neil Sinclair	Ph.D.	Advisor: J. A. Pople	Finite perturbation theory with applications to the calculation of nuclear spin coupling constants
1969	Osband, Arthur N.	Ph.D.	Advisor: P. L. Southwick	Carboxylic acids and lactones derived from 2, 3-dioxopyrrolidines
1969	O'Connor, John Gerald	Ph.D.	Advisor: P. L. Southwick	The chemistry of the 3-hydroxypyrazolidine system: 5-alkyl-3-aryl-6a-hydroxy-6-oxooctahydropyrrolo [3, 4-c] pyrazoles
1969	Kersting, R. James	Ph.D.	Advisor: A. K. Colter	An investigation on the effect of molecular complex formation upon acid-base equilibria by a kinetic method
1969	Hooper, John Bradford	Ph.D.	Advisor: R. B. Carlin	I. The reaction of benzaldehyde with indole in aqueous media. II. The base-induced rearrangements of 3-bromo-2-phenyl-3a, 5-dimethyl-3a, 4, 7, 7a-tetrahydro [3H] pseudoindoline-4
1969	Dobosh, Paul A.	Ph.D.	Advisor: J. A. Pople	A semi-empirical orbital theory with intermediate neglect of differential overlap (Indo) and its application to the calculation of isotropic hyperfine coupling constants
1969	Bastian, Ernest John, Jr.	Ph.D.	Advisor: R. J. Kurland	Ionization and solvent effects on one-bond carbon-13 proton coupling constants in organic acids
1969	Barker, John R.	Ph.D.	Advisor: J. V. Michael	Experimental determination of the oscillator strength of the $2P\ 3/2, 1/2 \leftarrow 2S\ 1/2$ transition of atomic hydrogen; Absolute rate constants for the reaction $H^+ C_2H_4$ and $H^+ C_2D_4$.
1968	Welsh, David Albert	Ph.D.	Advisor: P. L. Southwick	The chemistry of a 4-nitro-2, 3-dioxopyrrolidine
1968	Wang, Jin Tsai	Ph.D.	Advisor: VanDyke	Synthesis and study of some new silicon and germanium hydride derivatives
1968	Schall, Roy Franklin, Jr.	Ph.D.	Advisor: A. A. Caretto Jr.	Simple nuclear reactions on the separated isotopes of tellurium at 300 MeV

1968	Reith, Robert Alan	Ph.D.	Advisor: A. K. Colter	The stereochemistry of 1, 3-hydride shifts in bicyclic systems
1968	Ray, G. Joseph	Ph.D.	Advisor: R. J. Kurland	Carbon-13 nuclear magnetic resonance spectroscopy of triarylcarbonium ions and triarylcarbinols
1968	Larson, John W.	Ph.D.	Advisor: L. G. Hepler	Thermochemical studies in aqueous solutions and aqueous mixtures
1968	Kifer, Edward William	Ph.D.	Advisor: VanDyke	Some selected synthetic and calorimetric studies on the chemistry of group IV elements
1968	Goldberg, Robert N.	Ph.D.	Advisor: L. G. Hepler	Thermodynamic investigations
1968	Gibbon, Gerst A.	Ph.D.	Advisor: VanDyke	Synthesis and study of some new germanium hydride derivatives
1968	Gedansky, Lewis M.	Ph.D.	Advisor: L. G. Hepler	Thermodynamic considerations
1968	Buben, David	Ph.D.	Advisor: A. K. Colter	An investigation of molecular complexing and its effect on acid-base equilibria by a potentiometric method
1968	Bosch, Hendrik Willem	Ph.D.	Advisor: R. B. Carlin	The structure of the bromination product of 2-phenyl-3a, 5-dimethyl 3a, 4, 7, 7a - tetrahydro {3H} pseudoindolone-4 and its derivatives
1967	Weber, Leon	Ph.D.	Advisor: J. P. Fugassi	The sorption of polar vapors by polynuclear aromatic quinones and hydrocarbons
1967	Walker, Dorothy M.	Ph.D.	Advisor: P. L. Southwick	Reactive intermediates in the Fischer indole synthesis
1967	Ronan, Zalman	Ph.D.	Advisor: B. J. Mair	Composition of the branched paraffin-cyclo-paraffin portion of petroleum, 140' to 180' D
1967	Nieckarz, Aline F.	Ph.D.	Advisor: R. B. Carlin	A study of trimethyl- and dimethylphenylhydrazones of two five-membered ring ketones in the Fischer reaction
1967	Miller, Ralph E., Jr.	Ph.D.	Advisor: A. K. Colter	Electronic and steric effects in E2 reactions of aryl 2-pentyl sulfones
1967	Kiely, F. Michael	Ph.D.	Advisor: A. A. Caretto Jr.	Detailed study of some simple reactions on light-A nuclei
1967	Gordon, Mark S.	Ph.D.	Advisor: J. A. Pople	Applications of approximate molecular orbital theory to organic molecules
1967	Fink, Thomas Edwin	Ph.D.	Advisor: P. L. Southwick	Diazepine derivatives from flavones and chromones
1967	Emrich, William O.	Ph.D.	Advisor: P. L. Southwick	Selective reduction of polyfunctional pyrrolidine derivatives
1967	Brown, Alpert P.	Ph.D.	Advisor: M. B. Rubin	The absence of long-range conformational transmission effects in B-ring substituted 20-ketopregnanes
1966	Wu, Ay-Ju A.	Ph.D.	Advisor: F. O. Ellison	Semiempirical studies of first row diatomic hydrides, H ₂ O ₂ , and HO ₂
1966	Vaux, James E., Jr.	Ph.D.	Advisor: M. B. Rubin	C-ring modifications of 20 ketopregnanes
1966	Tiernan, Thomas Orville	Ph.D.	Advisor: G. J. Mains	Part I. Radiation chemistry of monosilane. Part II. Mass spectrometric investigations of ion-molecule reactions in monosilane
1966	Sivaramakrishnan, Parameswar	Ph.D.	Advisor: R. B. Carlin	I. The Fischer reactions of cyclohexanone 2, 6-diethyl and 2, 6-diethyl-4-methylphenylhydrazones. II. The dione-phenol rearrangement as a device for studying migratory aptitudes
1966	Segal, Gerald A.	Ph.D.	Advisor: J. A. Pople	Approximate self-consistent molecular orbital theory

1966	Nieckarz, William J., Jr.	Ph.D.	Advisor: A. A. Caretto Jr.	Proton induced reactions on the separated isotopes of cadmium from 70 to 400 mev
1966	Lewis, David	Ph.D.	Advisor: G. J. Mains	The photolysis of methyl iodide
1966	La Barge, Robert Gordon	Ph.D.	Advisor: G. J. Mains	Photochemical additions to camphorquinone
1966	Hui, Sai Hong	Ph.D.	Advisor: A. K. Colter	Charge-transfer complexes in acetolysis of 2-nitro- and 2,4,7- trinitro-9-fluorenyl p-toluene-sulfonates.: I. a survey of some aryl ether donors.: II. Stereochemical consequences of charge-transfer complexing
1966	Gusik, Frederick Francis	Ph.D.	Advisor: A. K. Colter	Chemical behavior of charge-transfer complexes: synthesis and acetolysis of some polynitrofluorenyl and polynitrobenzhydryl P- toluenesulfonates
1966	Goel, Om Prakash	Ph.D.	Advisor: R. B. Carlin	Medium effects on methyl migration during the Fischer indole synthesis
1966	Fitzgerald, James Allen	Ph.D.	Advisor: P. L. Southwick	The synthesis of compounds in the pyrrolo (3,4-d) pyrimidine and pyrrolo (3,4-g) pteridine series: synthetic studies leading to a 4-nitro-2, 3-dioxypyrrolidine
1966	Davis, Donald Guy	Ph.D.	Advisor: R. J. Kurland	Carbon-13 nuclear magnetic resonance of paramagnetic iron group cyanide complexes
1966	Church, Larry Borden	Ph.D.	Advisor: A. A. Caretto Jr.	A study of (p,xn) reactions
1966	Biordi, Joan Concetta	Ph.D.	Advisor: G. J. Mains	The flash photolysis of HI in the presence of deuterated hydrocarbons
1965	Wilson, Nancy Keeler	Ph.D.	Advisor: R. J. Kurland	Nuclear magnetic resonance studies o intramolecular hydrogen bonding
1965	Schuster, Ingeborg Ida	Ph.D.	Advisor: A. K. Colter	Studies related to conformations of triarylcarbonium ions
1965	Pfiever, Gary Vincent	Ph.D.	Advisor: F. O. Ellison	A diatomics-in-molecules study of the configurations and vibrations of some polyatomic systems
1965	Patel, Jashbhai C.	Ph.D.	Advisor: F. O. Ellison	Application of diatomics-in-molecules theory to three and four atom systems
1965	Millero, Frank Joseph, Jr.	Ph.D.	Advisor: L. G. Hepler	Thermodynamic investigations
1965	Hopkins, Harry Phones, Jr.	Ph.D.	Advisor: L. G. Hepler	Aqueous solution to thermochemistry of weak electrolytes
1965	Hassell, John Allan	Ph.D.	Advisor: J. P. Fugassi	Sorption of alcohols and water on polycyclic aromatic hydrocarbons with polar functionalities
1965	Glover, Alan Donald	Ph.D.	Advisor: G. J. Mains	Photochemical dimerization and cycloaddition reactions of conjugated steroid dienones
1965	Fitzgerald, Berenice McGrew	Ph.D.	Advisor: P. L. Southwick	Ketones and enols in the pyrrolidine series: Studies of the selectivity and stereochemistry of hydride reductions
1965	Dedinas, Jonas	Ph.D.	Advisor: G. J. Mains	Radiation chemistry of tetramethylsilane
1964	Zwitkowitz, Pauline Margit	Ph.D.	Advisor: M. B. Rubin	Photochemical reactions of 9, 10-phenanthrenequinone
1964	Yew, Foch Fu-Hsie	Ph.D.	Advisor: B. J. Mair	Isolation and identification of C13 to C17 alktnaphthalenes, alky;biphenyls and alkyldibenzofurans from the 275'to 305'C dinuclear aromatic
1964	Wise, William Bernard	Ph.D.	Advisor: R. J. Kurland	Nuclear magnetic resonance spectra and barriers to internal rotation of 4-4'-disubstituted biphenyls
1964	Snow, Austin Matthew, Jr.	Ph.D.	Advisor: R. B. Carlin	Evidence of 1, 4-methyl migration during the Fischer reaction of cyclohexanone 4-ethyl-2, 6-

				xylylhydrazone
1964	Sarma, Tadepalli P.	Ph.D.	Advisor: T. P. Kohman	Dating of marine sediments by ionium and protactinium methods
1964	Milliman, George Elmer	Ph.D.	Advisor: P. L. Southwick	Nuclear magnetic resonance studies of stereo-chemistry and tautomerism
1964	McKelvey, Donald Richard	Ph.D.	Advisor: A. K. Colter	Electronic effects in E2 reactions
1964	Magistro, Angelo Joseph	Ph.D.	Advisor: R. B. Carlin	An N ¹⁵ tracer study of the Fischer reaction of acetophenone 2,6-xylylhydrazone: the Fischer indole reaction of α -tetralone 2
1964	Lee, Sung Ki	Ph.D.	Advisor: P. L. Southwick	Compounds in the pyrrolo [3,4-b] Indole series: the indoline intermediates in the Fischer Indole synthesis
1964	Huffman, Allan Murray	Ph.D.	Advisor: R. B. Carlin	Rearrangement of 2, 2'-Polymethylene dioxyhydrazobenzenes
1964	Huff, Norman Thomas	Ph.D.	Advisor: F. O. Ellison	A diatomics-in-molecules study of some three and four atom systems in reaction and vibration
1964	Cressy, Philip John, Jr.	Ph.D.	Advisor: T. P. Kohman	Cosmogenic radionuclides in stone meteorites
1964	Choby, Edward G., Jr.	Ph.D.	Advisor: P. L. Southwick	Compounds in the pyrrolo [3,4-e]-1,4-Dizepine series
1963	Wu, Clara Ching-Hsien	Ph.D.	Advisor: L. G. Hepler	Calorimetric investigations and molecular orbital calculations
1963	Treytl, William Joseph	Ph.D.	Advisor: A. A. Caretto Jr.	A systematic study of (p, n) reactions in the 100-400 men region
1963	Reuland, Donald J.	Ph.D.	Advisor: A. A. Caretto Jr.	A 2π - differential recoil study of the Cu65 (p,pn) Cu64 reaction at incident proton energies of 396 MeV and 130 MeV
1963	Parker, Duane Howard	Ph.D.	Advisor: R. B. Carlin	An investigation of synthetic methods directed toward the synthesis of 2-Phenyl-3a, 5-Dimethyl-3a, 4, 7, 7a-Tetrahydro [3H] Pseudoindolone-4 and some reactions of 2-Phenacyl-2-methylcyclohexan-1, 3-Dione
1963	Musso, Rocco Carmen	Ph.D.	Advisor: A. K. Colter	The neighboring cyclopropane ring in solvolytic reactions
1963	Mayer, T. Jack	Ph.D.	Advisor: B. J. Mair	Composition of the dinuclear aromatics, C 12 to C 14, in the light gas oil fraction of petroleum
1963	Kaye, James Herbert	Ph.D.	Advisor: T. P. Kohman	Cosmogenic X-Ray and B-Ray emitters in iron meteorites
1963	Hu, Andrew Teh	Ph.D.	Advisor: L. G. Hepler	Calorimetric investigations
1963	Hofmann, George Henry	Ph.D.	Advisor: P. L. Southwick	Compounds in the Pyrrolo [3,4-d] Pyrimidine series
1963	Ho, Hon Chung	Ph.D.	Advisor: L. G. Hepler	Thermodynamic investigations
1963	Hipps, George Edward	Ph.D.	Advisor: M. B. Rubin	Photochemical dimerization of 4, 6-diene-3-keto steroids
1963	Hauk, Peter	Ph.D.	Advisor: R. G. Parr	A one-center approach to molecular electronic energies
1963	Fischer, Leewellyn Clarence	Ph.D.	Advisor: G. J. Mains	The flash photolysis of diethyl ketone and diethyl mercury
1963	Clemens, Lawrence Martin	Ph.D.	Advisor: A. K. Colter	Medium effects in the racemization of optically active biphenyls
1963	Carter, Richard Powell, Jr.	Ph.D.	Advisor: R. R. Holmes	The heats of reaction of antimony pentachloride with alkyl substituted pyridines. Part II. A proton nuclear magnetic resonance investigation of methylaminophosphines and their 1:1

				triethylborane adducts
1963	Barnewell, James Melvin	Ph.D.	Advisor: B. J. Mair	Composition of the mononuclear aromatic material in the light gas oil range, low refractive index portion, 230 [degrees] - 305 [degrees] C
1962	Zaczek, Norbert M.	Ph.D.	Advisor: P. L. Southwick	Reductions and a-Methylene reactions of 2, 3-dioxopyrrolidines
1962	Pirog, Joseph Anthony	Ph.D.	Advisor: G. J. Mains	The mercury sensitized photolysis and radiolysis of ethane
1962	Nonemaker, Larry Franklin	Ph.D.	Advisor: R. B. Carlin	I. An investigation of hydrazone ene-hydrazine tautomerism. II. Some observations on the Diels-Reese reaction
1962	Niki, Hiromi	Ph.D.	Advisor: G. J. Mains	I. The formation of Benzene in the radiolysis of acetylene. II. Ultra violet-, and X-ray induced exchange reaction between hydrogen and deuterium
1962	Martinez-Pico, Jose L.	Ph.D.	Advisor: B. J. Mair	The triunclear aromatic hydrocarbons in the heavy gas oil and light lubricating distillate of petroleum
1962	Martin, John Perry, Jr.	Ph.D.	Advisor: D. S. McKinney	An infrared study of interaction between certain secondary amines and other polar compounds
1962	Kuntz, Robert Roy	Ph.D.	Advisor: G. J. Mains	Mercury photosensitized decomposition of some liquid alkanes
1962	Heredy, Laszlo Aladar	Ph.D.	Advisor: J. P. Fugassi	I. Studies on the chemistry and mechanism of transbenzlation. II. Extraction of bituminous coal with phenanthrene
1962	Harrison, John William	Ph.D.	Advisor: R. B. Carlin	Acetophenone mesitylhydrazone and cyclohexanone 2, 6-xylyhydrazone in the Fischer indole synthesis
1962	Goel, Parmatma Saran	Ph.D.	Advisor: T. P. Kohman	Cosmogenic carbon-14 and chlorine-36 in meteorites
1962	Forstner, James A.	Ph.D.	Advisor: R. R. Holmes	Synthetic and structural studies in phosphorus-nitrogen chemistry: the reation sequence from phosphorus trihalides to analogues of phosphorus pentoxide
1962	Blossey, Erich Carl	Ph.D.	Advisor: M. B. Rubin	Steric effects on the 20-keto-steroid side chain
1961	Wilmot, William Heywood	Ph.D.	Advisor: J. P. Fugassi	Sorption of methanol on polynuclear compounds with polar functionalities
1961	Whelan, William Joseph	Ph.D.	Advisor: R. B. Carlin	The homogeneous aqueous solution kinetics of the benzidine rearrangement
1961	Wang, Samuel Shan-Ning	Ph.D.	Advisor: A. K. Colter	Charge transfer complexes in solvolysis ; Synthesis and acetolysis of 2, 4, 7-trinitro-9-fluorenyl p-toluenesulfonate
1961	Wagner, Raymond Peter	Ph.D.	Advisor: R. R. Holmes	Part I. Acid properties of triply connected phosphorus ; Part II. Reactions of dimethylaminomethylphosphines with boron trihalides and trialkyls
1961	Vida, Julius Adalbert	Ph.D.	Advisor: P. L. Southwick	The synthesis and stereochemistry of pyrrolidines and 3, 3'-Bipyrrolidines
1961	Sigal, Paul	Ph.D.	Advisor: J. P. Fugassi	The catalytic polymerization of nitrobenzene
1961	Shaub, Harold	Ph.D.	Advisor: R. B. Carlin	The structure of the basic reaction product from the Fischer indole reaction of N, N'-Dimethyl-2, 5-Xylyhydrazine and dibenzylketone
1961	Morrison, David Lee	Ph.D.	Advisor: A. A. Caretto Jr.	A systematic study of (p, xp) reactions in the 100-400 mev region
1961	Ludwig, Oliver George	Ph.D.	Advisor: R. G. Parr	Some studies in quantum chemistry

1961	Lee, Yoon-Chai	Ph.D.	Advisor: P. L. Southwick	The stereochemistry of conjugate additions: configurations of adducts from chalcones and nitroolefins
1961	Johnson, Richard Damerau	Ph.D.	Advisor: A. K. Colter	Reactions of 2-pentyl arenesulfonates with ethanolic sodium ethoxide: a study of electronic effects in base-catalyzed elimination reactions
1961	Hirschberg, Eugene Howard	Ph.D.	Advisor: R. B. Carlin	Kinetics of the rearrangement of 2-chloro-2'-methylhydrazobenzene
1961	Gallagher, William Patrick	Ph.D.	Advisor: R. R. Holmes	A study of the phosphorus pentachloro fluorides
1961	Doepker, Richard Dumont	Ph.D.	Advisor: G. J. Mains	The photolysis of ketones in a fluorinated solvent
1961	Chou, Chih Hsin	Ph.D.	Advisor: P. L. Southwick	Structural studies on some amino compounds derived from flavone
1961	Chao, Jing	Ph.D.	Advisor: B. J. Mair	Heats of combustion, formation, and isomerization of some aliphatic alcohols
1960	Owells, Richard John	Ph.D.	Advisor: P. L. Southwick	Compounds in the Pyrrolo [3, 4-b] indole series
1960	Mitchell, Maurice McClellan	Ph.D.	Advisor: J. P. Fugassi	Kinetics of sorption of methanol on acetylated coals
1960	Masciantonio, Philip	Ph.D.	Advisor: J. P. Fugassi	Sorption studies on coals
1960	Labbauf, Abbas	Ph.D.	Advisor: F. D. Rossini	Part A: Thermochemistry of selected cyclomono-olefin hydrocarbons. Part B: Heat of isomerization of the CIS and transisomers of 9-methyldec
1960	Ely, William Tandy	Ph.D.	Advisor: P. L. Southwick	The synthesis of compounds related to vasicine
1960	Brandau, Betty Lee	Ph.D.	Advisor: R. R. Holmes	I. Preparation of Phosphorus Tri-N-Methylimide. II. Phase studies of the Methyl Amine-Hydrogen Chloride systems
1960	Barnas, Eugene Frank	Ph.D.	Advisor: P. L. Southwick	Aldol conversations of 2.3-dioxopyrrolidines
1960	Almodovar, Ismael	Ph.D.	Advisor: T. P. Kohman	Thorium isotopes method for dating marine sediments
1959	Stemniski, John Roman	Ph.D.	Advisor: P. L. Southwick	The stereochemistry of addition of amines to nitroolefins
1959	Snyder, Lawrence Clement	Ph.D.	Advisor: R. G. Parr	Three studies in quantum chemistry
1959	Saturno, Antony Fidele	Ph.D.	Advisor: R. G. Parr	A one-center wave function for the methane molecule
1959	MacFarlane, Ronald Duncan	Ph.D.	Advisor: T. P. Kohman	Natural alpha radioactivity in medium-heavy elements
1959	Heintzelman, William Joseph	Ph.D.	Advisor: R. B. Carlin	A study of a continuous Fischer indole synthesis and an investigation of the chemistry of 3a, 4, 7, 7a-Tetrahydro-2-Phenyl-3a, 5-Dimethyl (3H) Pseu doindolone-4
1959	Ebner, Herman G.	Ph.D.	Advisor: R. B. Carlin	The synthesis and rearrangement in 2:1 sulfuric acid of 3, 5-Dibromo-3', 5'-Dimethylhydrazobenzene
1959	Bartkus, Edward Alfred	Ph.D.	Advisor: P. L. Southwick	A study of direct aromatic carboxymethylation
1958	Solomon, Joseph Alvin	Ph.D.	Advisor: J. P. Fugassi	Pyrolysis of coal under high vacuum
1958	Peterson, Donald Bruce	Ph.D.	Advisor: G. J. Mains	The photolysis of acetone in some fluorinated solvents
1958	Peffer, John Roscoe	Ph.D.	Advisor: R. B. Carlin	The acid-catalyzed transformations of 4-bromohydrazobenzene

1958	Ostapchenko, George Joseph	Ph.D.	Advisor: J. P. Fugassi	The kinetics of the sorption and desorption of methanol on coals of various rank
1958	Moore, Mead Stephen	Ph.D.	Advisor: R. B. Carlin	Evidence of 1, 4-methyl migration during the Fischer reaction of cyclohexanone mesitylhydrazone
1958	Mayer, David P.	Ph.D.	Advisor: P. L. Southwick	Synthetic studies in the pyrrolidine and 3, 3'-bipyrrolidine series
1958	Laufer, Robert John	Ph.D.	Advisor: R. B. Carlin	A new synthesis of 1, 2-dimethylarylhazirines and their reactions with ketones in the Fischer and related reactions
1958	Krajewski, John Joseph	Ph.D.	Advisor: R. B. Carlin	The Ullmann reactions of four aryl polyhalides
1958	Kirchner, Jack Robert	Ph.D.	Advisor: P. L. Southwick	Part I. The chemistry of 4-aminoflavylum chlorides. Part II. Reactions of the morpholine iodine complex with acetylenic compounds
1958	Companion, Audrey Lee	Ph.D.	Advisor: F. O. Ellison	Quantum mechanical studies of molecular structure. Semi-empirical treatment of mono- and dihydrides of first row element
1957	Shozda, Raymond J.	Ph.D.	Advisor: P. L. Southwick	Stereochemical aspects of conjugate addition reactions
1957	Rockefeller, John David	Ph.D.	Advisor: F. D. Rossini	The thermochemistry of selected monoolefin hydrocarbons
1957	Rightmire, Robert A.	Ph.D.	Advisor: T. P. Kohman	Long-lived aluminum-26
1957	Kropf, Ronald Alois	Ph.D.	Advisor: P. L. Southwick	Structural studies on phenylcinnamylone, a self-condensation product of α -phenylcinnamic acid
1957	Joy, Hubert Whitney	Ph.D.	Advisor: R. G. Parr	A one-center wave function for the hydrogen molecule
1957	Greifer, Bernard	Ph.D.	Advisor: J. P. Fugassi	Vacuum pyrolysis of bituminous coal
1957	Ehmann, William Donald	Ph.D.	Advisor: T. P. Kohman	Cosmic-ray-induced radioactivities in meteorites and tektites
1957	Eberly, Paul E.	Ph.D.	Advisor: F. D. Rossini	Separation of the 132 degrees to 138 degrees Celsius fraction of petroleum: bicyclopentanes in the gasoline fraction of petroleum
1957	Duffek, Edward Frank	Ph.D.	Advisor: P. E. Snyder	An equilibrium study of the system: NiO-CO ₂ -H ₂ O
1957	Casanova, Joseph	Ph.D.	Advisor: P. L. Southwick	A new synthesis of vasicine and 6-methoxyvasicine: Studies of the chemistry of some 2, 3-dioxopyrrolidine derivatives
1957	Carlson, Dana Peter	Ph.D.	Advisor: R. B. Carlin	A study of the mechanism of the Fischer Indole Reaction: the reactions of 2, 6-dimethylphenylhydrazones with zinc chloride
1957	Bridges, Joanne Marie	Ph.D.	Advisor: J. P. Fugassi	The ortho effect: a study of the acid-catalyzed hydrolysis of ortho substituted phenyl acetates and their para isomers
1957	Bertaut, Edgard Francis	Ph.D.	Advisor: R. R. Holmes	The interaction of group Vb chlorides with trimethylstibine and related group Vb trialkyls
1956	Trammell, Margaret Ruth	Ph.D.	Advisor: J. P. Fugassi	The adsorption of organic vapors on coal
1956	Sung, Wei-liang	Ph.D.	Advisor: R. B. Carlin	The transformations of 3, 3'-dichloro-5, 5'-dimethylhydrazobenzene in 2:1 sulfuric acid
1956	Parks, Joe Manford	Ph.D.	Advisor: R. G. Parr	A quantum mechanical study of the formaldehyde molecule
1956	McDougall, Robert Irvin	Ph.D.	Advisor: D. S. McKinney	The association of cyclic amines in tetrachloroethylene

1956	Marculaitis, William J.	Ph.D.	Advisor: F. D. Rossini	Composition of the heavy gas-oil and light lubricating oil fraction of petroleum
1956	Greenshields, JohnBryce	Ph.D.	Advisor: F. D. Rossini	Molecular structure and properties of hydrocarbons and related compounds
1956	Diethorn, Ward Samuel	Ph.D.	Advisor: T. P. Kohman	A methane proportional counter system for natural radiocarbon measurements
1956	Bartolo, Henry Frank	Ph.D.	Advisor: F. D. Rossini	Thermochemistry of the seventeen isomeric hexenes
1956	Anderson, John E.	Ph.D.	Advisor: P. L. Southwick	A stereochemical study of the addition of amines to a nitroolefin
1956	Albright, Denton M.	Ph.D.	Advisor: P. E. Snyder	The high temperature thermodynamic properties of cryolite
1955	Weschler, Mary Charles	Ph.D.	Advisor: J. P. Fugassi	The kinetics of hydrolysis of benzenepolycarboxylic esters
1955	Munsell, Monroe Wallwork	Ph.D.	Advisor: P. L. Southwick	A study of aromatic carboxymethylation
1955	Kealy, Thomas Joseph	Ph.D.	Advisor: R. B. Carlin	The zinc and stannous halide promoted fischer reactions of acetophenone 2-Bromo-6-Chlorophenylhydrazone
1955	Carlson, Herbert E.	Ph.D.	Advisor: P. L. Southwick	A study of the chemistry of 2, 3-Pyrrolidinediones
1955	Amoros-Marin, Luis	Ph.D.	Advisor: R. B. Carlin	A study of 2,4,6-triarylpyridines
1954	Stansfield, Roger E.	Ph.D.	Advisor: P. L. Southwick	The formation of acetyl N, N'-Diaryldipeptides by the acetylation of N-Arylglycines.:n Part II,:p a study of the structure of Phenylcinnamolone, a compo
1954	Selig, Henry	Ph.D.	Advisor: T. P. Kohman	Search for long-lived Beta Radioactivities
1954	Pignocco, Arthur John	Ph.D.	Advisor: F. D. Rossini	Fractionation by distillation at very low pressures
1954	Mason, John H.	Ph.D.	Advisor: R. B. Carlin	The kinetics of the behavior of cyclohexanone phenylhydrazone in 95% ethanolic hydrogen chloride
1954	Markle, Chester H.	Ph.D.	Advisor: J. P. Fugassi	The thermal decomposition of t-Butyl Chloro-acetate: a kinetic study
1954	Madamadiotis, Speros D.	Ph.D.	Advisor: F. D. Rossini	Thermochemistry of naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, cis-Decahydronaphthalene, trans-decahydronaphthalene, and related
1954	Lykos, Peter George	Ph.D.	Advisor: R. G. Parr	Pi-electron theories and the quantum chemistry of the benzene and naphthalene molecules
1954	Loeffler, Mary Constance Sister	Ph.D.	Advisor: J. P. Rossini	Thermochemistry of normal decylcyclopentane, normal decylcyclohexane, 1-hexadecena, normal decylbenzene, and related compound
1954	Imhof, Lawrence G.	Ph.D.	Advisor: J. P. Fugassi	The kinetics of the pyrolysis of Tertiary Amyl Acetate
1954	Henley, William O.	Ph.D.	Advisor: R. B. Carlin	The preparation of some polymethylphenylhydrazones by the Japp-Klingemann reation and the Fischer indole reactions of ethyl pyruvate 2, 6-dimethylphenylhydraone
1954	Hemstreet, Russell A.	Ph.D.	Advisor: D. S. McKinney	The infrared spectra of piperidine, piperazine and triethylenediamine
1954	Browne, Clarence Copeland	Ph.D.	Advisor: F. D. Rossini	Assembly of a thermochemical laboratory and the thermochemistry of cis- and trans-Hexahydroindan
1953	Wich, Grosvenor S.	Ph.D.	Advisor: R. B. Carlin	Kinetics of the hydrogen chloride catalyzed rearrangements of o_-Hydrazoanisole and p_-Hydrazotoluene

1953	Walsh, William L.	Ph.D.	Advisor: P. L. Southwick	The reaction of polyglycolic acids with naphthalene - a synthesis of a-naphthaleneacetic acid ; the addition off an n-bromoamine to an a, B-unsaturated ketone ; the reaction of N-bromomorpholine with benzalacetophenone
1953	Staskiewicz, Bernard A.	Ph.D.	Advisor: P. E. Snyder	The heat of formation of molybdenum trioxide. The high temperature thermodynamic properties of titanium
1953	Rothman, Alan B.	Ph.D.	Advisor: P. E. Snyder	An equilibrium study of the system ZnO-CO ₂ -H ₂ O
1953	Parker, Franklin G.	Ph.D.	Advisor: J. P. Fugassi	Reaction of aqueous alkali on a subbituminous coal at elevated temperatures
1953	McIntyre, William E.	Ph.D.	Advisor: P. L. Southwick	A new synthesis of thyronine
1953	Mahoney, Thomas J.	Ph.D.	Advisor: D. S. McKinney	The association of chlorohydrins in dilute carbon tetrachloride solution
1953	Larson, Gerald	Ph.D.	Advisor: R. B. Carlin	Halogen interchange during the zinc halide induced fischer indole reactions of acetophenone 2, 6-dihalophenylhydrazones
1953	Gronholz, Leroy Frederick	Ph.D.	Advisor: J. P. Fugassi	The thermal decompositon of tertiary amyl acetate
1953	Donaruma, L.(Lorraine) Guy	Ph.D.	Advisor: P. L. Southwick	Bromination of methyl stilbyl ketone. A pyrolysis product of a-phenylcinnamoyl chloride
1953	Dimond, Harold L.	Ph.D.	Advisor: P. L. Southwick	Certain reactions of iodomethyl styrl ketone
1952	Taylor, George Russell	D.Sc.	Advisor: R. G. Parr	Studies in molecular quantum mechanics
1952	Swakon, Edward Antone	D.Sc.	Advisor: R. B. Carlin	The reactions of 2, 6-dibromo-4-nitroiodobenzene with copper
1952	Sapper, David I.	D.Sc.	Advisor: P. L. Southwick	Reactions of 1-halogen derivatives of 3-bute-2-one
1952	Mulholland, George I.	D.Sc.	Advisor: T. P. Kohman	Natural radioactivity of lanthanum and neodymium
1952	Heininger, S. Allen	D.Sc.	Advisor: R. B. Carlin	The synthesis and rearrangements of 3,3', 5, 5'-tetrafluorohydrazobenzene
1952	Foltz, George E.	D.Sc.	Advisor: R. B. Carlin	The rearrangements of 3,3'-Dibromo-5, 5'-dimethyl-hydrazobenzene
1952	Crouch, Robert Thomas	D.Sc.	Advisor: P. L. Southwick	The condensation of beta-aminopropionic esters with oxalic acid derivatives
1952	Cosgrove, Lee A.	D.Sc.	Advisor: P. E. Snyder	The heat of formation of BeO: the high temperature thermodynamic properties of MoO ₃
1951	Wilson, Thomas Charles	D.Sc.	Advisor: J. P. Fugassi	A kinetic study of the formation and decomposition of the dimer isopropenyl ketone
1951	OdiOSO, Raymond C.	D.Sc.	Advisor: R. B. Carlin	Kinetics of the rearrangements of hyrazobenzene, orthohydrazotoluene, and metahydrazotoluene
1951	Kant, Arthur	D.Sc.	Advisor: T. P. Kohman	Kinetics of exchange of isotopic carbon between oxalatopentamminocobalti ion and unbound oxalate
1951	Gebhardt, Joseph J.	D.Sc.	Advisor: D. S. McKinney	Infrared absorption study of HCl and HBr in SnCl ₄ , CCl ₄ , CS ₂ , and CHCl ₃
1951	Christman, David R.	D.Sc.	Advisor: P. L. Southwick	Some reactions of unsaturated compounds with iodine-amine complexes
1951	Beard, Arthur Parker	D.Sc.	Advisor: P. E. Snyder	The enthalpy, heat capacity, and entropy of tungsten trioxide between 0 degrees and 1000 degrees centigrade

1950	Woodland, William Charles	D.Sc.	Advisor: J. C. Warner	Acid-based levels of the systems methanol-water and 1, 4-dioxane water
1950	Wallace, John George	D.Sc.	Advisor: R. B. Carlin	II. Studies on the Fischer indole synthesis: the migrations of atoms of positive halogen under conditions of the Fischer synthesis
1950	Vogel, Kenneth Henry	D.Sc.	Advisor: J. C. Warner	Kinetics of ester hydrolysis
1950	Russin, Nicholas C.	D.Sc.	Advisor: J. P. Fugassi	Vapor-liquid equilibrium in n-heptane-n-propyl alcohol mixtures
1950	Reif, Arnold E.	D.Sc.	Advisor: J. P. Fugassi	The mechanism of the carbon monoxide-carbon reaction
1950	Kelly, John C. R., Jr.	D.Sc.	Advisor: P. E. Snyder	Measurement of the low temperature heat capacity of sodium hydroxide: the entropy of sodium hydroxide at 298.16°K
1949	Sadler, Monroe S.	D.Sc.	Advisor: J. P. Fugassi	A kinetic study of the semicarbazone formation of some substituted benzophenones
1949	Pursglove, Laurence Albert	D.Sc.	Advisor: P. L. Southwick	Certain reactions of 1, 4-diphenyl-1-bromo-3-butene-2-one
1949	Pozefsky, Abbott	D.Sc.	Advisor: D. S. McKinney	The infrared spectra of ethylene halohydrins
1949	Hufford, Duane L.	D.Sc.	Advisor: R. B. Carlin	The polymerization of p-chlorostyrene in the presence of polymethylacrylate
1949	Huff, George F.	D.Sc.	Advisor: P. E. Snyder	The heat of formation of tungstic oxide (WO ₃)
1949	Holman, James Lawson	D.Sc.	Advisor: J. P. Fugassi	The kinetics of olefin formation in the pyrolysis of tertiary amyl chloride
1949	Gibian, Thomas George	D.Sc.	Advisor: D. S. McKinney	The infra-red spectra and force constants of chloroform and trichlorosilane
1949	Cowan, George A.	D.Sc.	Advisor: J. P. Fugassi	A kinetic study of the thermal decomposition of tertiary butyl formate
1949	Braithwaite, Charles Henry, Jr.	D.Sc.	Advisor: P. L. Southwick	Synthesis of pteridines
1948	Seivard, Louis Lauther	D.Sc.	Advisor: P. L. Southwick	The ring-closure of N-alkoxalyl-beta-anilinopropionic acids
1948	Numerof, Paul	D.Sc.	Advisor: P. L. Southwick	I. The condensation of d-glucose with p-aminobenzoic and ethyl p-aminobenzoate. II. The reaction of n-bromosuccinimide with phenyl substituted alpha, beta-unsaturated ketones
1948	McCabe, Charles Law	D.Sc.	Advisor: J. C. Warner	A kinetic study of the alkaline and neutral hydrolyses of the ethylene halohydrins
1948	Landerl, Harold Paul	D.Sc.	Advisor: R. B. Carlin	The dehydration of a series of methyl-substituted 1-phenyl-1-cyclohexanols
1948	Forshey, William O.	D.Sc.	Advisor: R. B. Carlin	The rearrangements of three 3,3', 5, 5'-tetra-substituted hydrazobenzenes
1948	Fisher, Earl Eugene	D.Sc.	Advisor: R. B. Carlin	Studies on the Fischer indole synthesis
1947	Toensing, Clarence Herman	D.Sc.	Advisor: D. S. McKinney	Thermodynamic studies on autenitic solid solutions: activity of carbon as a function of composition and temperature in iron and nickel steels
1947	Dienes, G. J.	D.Sc.	Advisor: H. Seltz	Activation energy for the diffusion of coupled pairs of vacancies in alkali halide crystals
1947	Cross, Robert Pershing	D.Sc.	Advisor: G. Stempel	A kinetic study of the semicarbazone formation of some aromatic ketones
1946	Young, Charles William	D.Sc.	Advisor: D. S. McKinney	The infrared spectra of the tetramethyl compounds of group IVB elements
1946	McGraw, Leslie Daniel	D.Sc.	Advisor: H. Seltz	The heat of combustion of tungsten carbide

1945	McGovern, John Joseph	D.Sc.	Advisor: D. S. McKinney	The infrared spectra of the fluor-chloromethanes
1945	Mariella, Raymond Peel	D.Sc.	Advisor: G. Stempel	A comparative study of the reactivity of semicarbazide, hydroxylamine and phenylhydrazine: studies in the cholesterol and cyclobutane series
1944	Snyder, Paul E.	D.Sc.	Advisor: H. Seltz	Heat formation of aluminum oxide
1944	Neuworth, Martin	D.Sc.	Advisor: J. P. Fugassi	The chemical nature of the primary coal hydrogenation products
1944	Colon, Isidoro Alfonso	D.Sc.	Advisor: G. Stempel	Studies in the isobenzofurane series
1943	Warrick, Earl L.	D.Sc.	Advisor: J. P. Fugassi	The kinetics of the thermal decomposition of tertiary butyl propionate
1943	Schaffel, Gerson S.	D.Sc.	Advisor: G. Stempel	A comparative study of the kinetics and mechanisms of formation of the phenylhydrazone semicarbazone, and oxime of d-carvone
1943	Friedel, Robert A.	D.Sc.	Advisor: D. S. McKinney	The infra-red absorption spectrum of liquid and gaseous morpholine
1943	Colon, Angel Alberto	D.Sc.	Advisor: J. C. Warner	Kinetics of the hydrolyses of esters of lactic acid
1942	Stevens, John Ed	D.Sc.	Advisor: J. C. Warner	Reaction between ethylene chlorhydrin and hydroxyl ion in mixed solvents: medium effect and mechanism
1942	Rudy, Charles E.	D.Sc.	Advisor: J. P. Fugassi	A kinetic study of the thermal decomposition of t-butyle acetate
1942	Dunkerley, Frederick J.	D.Sc.	Advisor: H. Seltz	Low temperature heat capacities of tungstic oxide, tungsten carbide, titanium carbide, and tungsten-titanium carbide
1942	Berl, Walter George	D.Sc.	Advisor: J. C. Warner	The Electrical Reduction of Oxygen on Activated Surface Electrodes
1941	DeWitt, Bernard J.	D.Sc.	Advisor: H. Seltz	The heat capacities of nickel oxide, molybdenum oxide, and titanium from 68-298 degrees K
1939	McDonald, Hugh J.	D.Sc.	Advisor: H. Seltz	The heat capacities of titanium dioxide and iron carbide from 68-298°K
1938	Winstrom, Leon O.	D.Sc.	Advisor: J. C. Warner	Kinetic medium and salt effects in the reaction of ethylene chlorohydrin with the hydroxyl ion
1938	Orning, Arthur A.	D.Sc.	Advisor: G. Stempel	The mechanism of the d-glucose phenylhydrazone reaction in relation to the mutarotation reaction
1938	McKinney, David S.	D.Sc.	Advisor: J. C. Warner	The infrared spectra of boron trifluoride and of 1, 4-dioxane
1938	Eagle, Sam	D.Sc.	Advisor: J. C. Warner	Kinetics of the reactions of alkyl halides with bases in hydroxylic solvents
1937	Ablard, James Elbert	D.Sc.	Advisor: J. C. Warner	Equivalent conductance, dissociation constants and heats of dissociation of triethylamine in alcohol-water solutions
1936	Strickler, Herbert S.	D.Sc.	Advisor: H. Seltz	A thermodynamic study of the lead - bismuth
1936	McAteer, James Howard, II	D.Sc.	Advisor: H. Seltz	Part I. An attempt to determine activities in the lead-indium and silver-palladium systems. Part II. The thermodynamic properties of the tellurides of zinc, cadium, tin, and lead
1935	Svirbely, William Julius	D.Sc.	Advisor: J. C. Warner	Electric moments of BF ₃ , d-Pinene, and d-Limonene