FOREWORD

This new, up-to-date faculty vita book of the College of Arts and Science has a simple yet important purpose: to help colleagues in the College become better acquainted. When an academic division like ours grows large and complex, the threads of cohesion and familiarity are in danger of wearing thin: we seem to run into more and more nameless faces and faceless names in our midst, and our sense of collegiality and of the supportive milieu of a larger community may erode.

Miami, fortunately, is still a congenial place. In a small way, perhaps, efforts like this vita book will help keep it that way.

Entries in this book are necessarily brief--the space is just enough for some basic personal information, including a picture, and a sampling of scholarly or professional contributions. Many entries include indications of interests and expertise as well. An up-to-date vita book would not have been possible without the cooperation of many colleagues in providing current information about themselves. Special credit is due to several members of the Dean's Office staff for assembling that information and preparing the manuscript.

On behalf of the Dean's Office, I am pleased to present copies of this vita book to the Faculty of the College.

November 1986

Stephen M. Day
Dean

JOSEPH S. CANTRELL



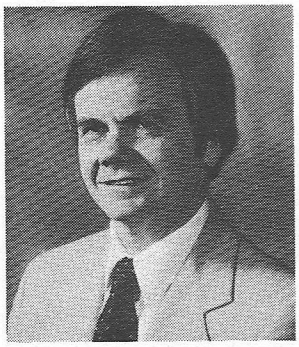
Professor (1985)
Department of Chemistry (1965)

Degrees
PhD Kansas State University 1961
MS Kansas State University 1957
AB Emporia State College 1954

Selected Publications
"Thermal Stability of Hydrides of Disordered and Amorphous Alloys." In Hydrogen in Disordered and Amorphous Solids, R.C. Bowman and G. Bambikidis, eds. New York, NY: Plenum Press, Inc., 1986. (With R.C. Bowman, Jr. and G. Bambakidis.)
"Crystal Structures, Bonding and Hydrogen Bonding in Flavonoid Compounds." In Plant Flavonoids in Biology and Medicine, V. Cody, E. Middletown, Jr. and J. Harborn, eds. New York, NY: A.R. Liss, Inc., 1986.
"X-ray Powder Diffraction of Polychlorinated Dibenzodioxins and Dibenzofurans." In Chlorinated Dibenzodioxins and Dibenzofurans in Perspective, C. Rappe, G. Choudhary, and L.H. Keith, eds. Chelsea, MI: Lewis Publ. Inc., 1986. (With T.A. Beiter and P.A. Slonecker.)

Interests/Expertise
Single crystal X-ray diffraction. Phase identification. Residual stress analysis. Crystallite-particle size analysis. Low-temperature X-ray diffraction. Thermal analysis. Differental scanning calorimetry.

JAMES A. COX



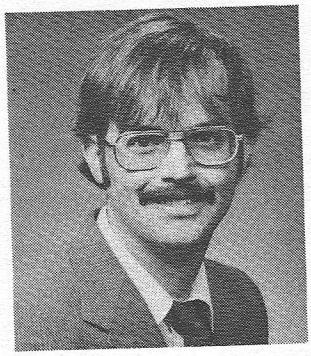
Professor and Chair (1986)
Department of Chemistry (1986)

Degrees
PhD University of Illinois 1967
MS University of Illinois 1965
B.Chem. University of Minnesota 1963

Selected Publications
"Voltammetric Determination of Nonelectroactive Ions at a Modified Electrode." Analytical Chemistry 57, 1985, 2739. (With B. Das.)
"Donnan Dialysis Preconcentrator for the Ion Chromatography of Anions." Analytical Chemistry 57, 1985, 2370. (With N. Tanaka.)
"Metal Speciation by Donnan Dialysis." Analytical Chemistry 56, 1984, 650. (Co-author.)

Interests/Expertise
Use of membranes to design sample introduction systems for electrochemical, atomic spectrometric, and ion chromatographic instruments; these samplers are intended to function in complicated media that would otherwise interfere with the measurements. Electrochemistry with emphasis on the development of modified electrode surfaces for use in catalysis, the development of new sensors, and metal speciation. Environmental chemistry.

NEIL D. DANIELSON



Associate Professor (1983)
Department of Chemistry (1978)

Degrees
PhD University of Georgia 1978
MS University of Nebraska 1974
BS Iowa State University 1972

Selected Publications
"Determination of ethylene glycol using periodate oxidation and liquid chromatographpy." Analyst 110, 1985, 1073. (With Y.P. Wu and L.G. Miller.)
"Determination of methylmalonic acid after diazonium derivatization by HPLC." Anal. Chim. Acta 170, 1985, 301. (With D.K. Morgan.)
"Liquid chromatrographic characterization of picolyl Kel-F as a reverse-phase, weak anion-exchange column packing." Anal. Chem. 57, 1985, 340-346. (With M. Kruempelman.)
"Colorimetric determination of carboxyglutamic acid in the presence of other amino acids." Anal. Chem. 57, 1985, 185. (With Y.P. Wu, D.K. Morgan and J.L. Glajch.)

Interests/Expertise
High performance liquid chromatography. Gas chromatography. Fluorescence.

JOHN H. EICHER



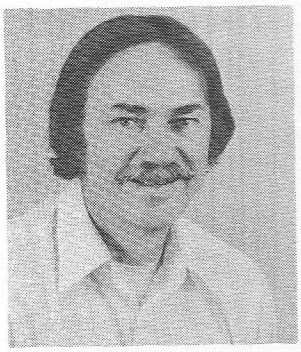
Professor (1978)
Department of Chemistry (1952)

Degrees
PhD Purdue University 1952
BS Purdue University 1942

Selected Publications
Experiments For Chemistry 111. Miami University, 1986. (With W.S. Hogue.)
Organic Chemistry in the Laboratory. Third Edition, Miami University, 1985.
"Chemistry of aliphatic and alicyclic nitro compounds XI. A new reaction of alpha-nitro esters." Journal of the American Chemical Society 78, 1956, 1494-1497. (With N. Kornblum.)
"The viscosity of gaseous uranium hexafluoride." Journal of the American Chemical Society 74, 1952, 2758-2761. (With A.L. Myerson.)
Governmental Report: "The viscosity of uranium hexafluoride." United States Atomic Energy Commission. MDCC 494, 1945. (With A.L. Myerson.)

Interests/Expertise
Stereoisomerism. The organic chemistry of nitrogen compounds. History of the faculty of Miami University. Philosophy of Science.

HARLAN E. FIEHLER

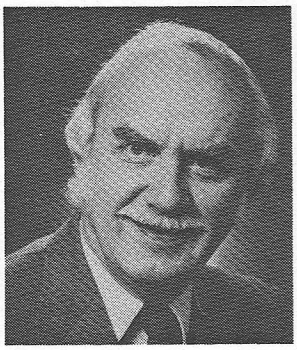


Associate Professor (1980)
Department of Chemistry, Middletown Campus (1966)

Degrees
PhD University of Missouri 1959
BS Southeast Missouri State University 1950

Interests/Expertise
Microcomputer applications in chemistry.

GILBERT GORDON



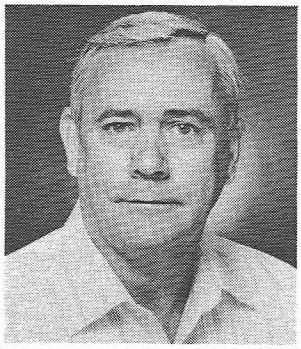
Ernest Volwiler Distinguished Research Professor (1984)
Department of Chemistry (1973)

Degrees
PhD Michigan State University 1959
BS Bradley University 1955

Selected Publications
"Automated Iodometric Method for the Determination of Trace Chlorate Ion Using Flow Injection Analysis." Anal. Chem. 57, 1985, 734-737. (With K.G. Miller and G.E. Pacey.)
"Residual Ozone Determination by Flow Injection Analysis." Anal. Chem. 56, 1984, 1973-1975. (With M.R. Straka and G.E. Pacey.)
"Lower Detection Limits Found for Chlorine Dioxide Contaminants." J. Am. Water Works Assoc. 76, 1984, 98-101. (With Y. Ikeda.)
"A Detailed Comparison of Analytical Methods for Residuals Ozone Measurement." Ozone Science and Engineering 6, 1984, 203-223. (With J. Grunwell, J. Benga, and H. Cohen.)

Interests/Expertise
The chemical properties of ozone and chlorine dioxide as used in water disinfection. Analytical and kinetic properties of strong oxidizing agents. Wine testing and evaluation.

CHARLES C. GRIFFIN



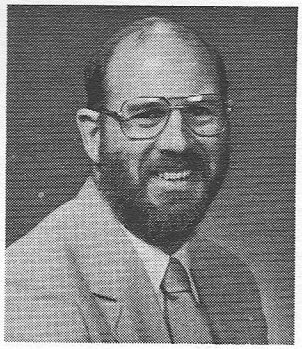
Associate Professor (1974)
Department of Chemistry (1968)

Degrees
PhD Johns Hopkins University 1969
AB Catholic University 1960

Selected Publications
"Kinetics of D-Glucose and 2-deoxy-D-Glucose Transport by Rhodotorula glutinis." Biochim. Biophys. Acta 803, 1984, 278. (With M. Taghikhani, L.W. Lavi, and P.G. Woost.)
"Specificities of the Glucose Transporters in the Rhodotorula glutinis plasma membrane." IRCS Med. Sci. 11, 1983, 1064. (With M. Taghikhani, L.W. Lavi, and D.A. McClintock.)
"Carrier-Mediated Transport of D-Ribose by Rhodotorula glutinis." Biochim. Biophys. Acta 648, 1981, 1. (With L.W. Lavi and J.B. Hermiller.)
"A Kinetic Analysis of D-Xylose Transport in Rhodotorula glutinis." Biochim. Biophys. Acta 510, 1978, 361. (With M.E. Alcorn.)

Interests/Expertise
Biochemistry: Membrane transport and enzyme kinetics.

JOHN R. GRUNWELL



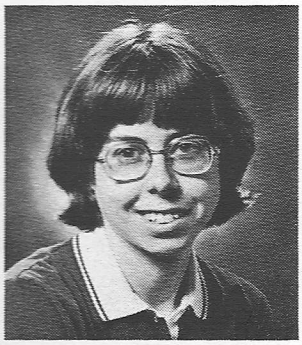
Professor (1980)
Department of Chemistry (1968)

Degrees
PhD Massachusetts Institute of Technology 1967
BS University of Pennsylvania 1963

Selected Publications
"Regiospecific Synthesis of Bromojuglone Derivatives." Tetrahedron Letters 21, 1980, 4305-4309. (With S.W. Heinzman.)
"Some 1,3-Dipolar Cycloaddition Reactions of Nitrile-n-sulfides with Acetylenes and Olefins." Journal of Organic Chemistry 45, 1980, 3753-3758. (With M.J. Sanders.)

Interests/Expertise
Synthesis of small natural products. Photochemistry of pesticides. Origin of terrestial asymmetry.

ANN E. HAGERMAN



Assistant Professor (1982)
Department of Chemistry (1982)

Degrees
PhD Purdue University 1980
AB Occidental College 1976

Selected Publications
"Radial diffusion method for determining tannin in plant extracts." J. of Chemical Ecology, 1986, in press.
"Continuous spectrophotometric assay for plant pectin methyl esterase." J. of Agriculture and Food Chemistry 34, 1986, 440-444. (With P.J. Austin.)
"A plate assay for determining the time of production of protease, cellulase and pectinase by germinating fungal spores." Analytical Biochemistry 151, 1985, 334-342. (With D.M. Blau and A.L. McClure.)

Interests/Expertise
Function and metabolism of plant secondary products, especially phenolics; methods for quantitating the phenolics responsible for reducing digestibility of plant protein and carbohydrate to protect plant from herbivores or pathogens; phenolics as protective compounds, and biosynthesis of protective phenolics.

JAMES W. HERSHBERGER



Assistant Professor (1984)
Department of Chemistry (1984)

Degrees
PhD Iowa State University 1981
BS University of New Mexico 1976

Interests/Expertise
Organic and organometallic chemistry. Mechanistic and preparative electrochemistry.

WALTER S. HOGUE



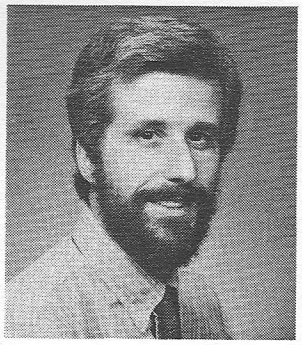
Assistant Instructor (1969)
Department of Chemistry (1969)

Degrees
AB Wittenberg University

Selected Publications
"Shaped articles comprising regenerated cellulose." United States 2,194,414. (With L. Novak.)
"Shaped articles comprising regenerated cellulose." United States 2,768,097. (With L. Novak and H. Homes.)
"Colloidal dispersions of dextran." United States 2,7556,160. (With L. Novak.)
"Carboxy methyl dextran ether-stabilized contrast compositions." United States 2,746,906. (With L. Novak.)
"Laboratory investigations in chemistry." (With J.H. Eicher.)

Interests/Expertise
Director of Laboratories.

ALAN D. ISAACSON

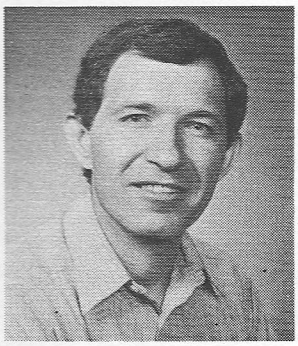


Assistant Professor (1981)
Department of Chemistry (1981)

Degrees
PhD University of California, Berkeley 1978
BA University of Rochester 1974

Selected Publications
"Complex gaussian-type basis functions in the calculation of resonance energies and widths." Journal of Chemical Physics 82, 1985, 1997-2001.
"Improved canonical and microcanonical variational transition state theory calculations for a polyatomic reaction: $OH+H_2$ H_2O+H." Journal of Chemical Physics 82, 1985, 1338-1340. (With M.T. Sund, S.N. Rai, and D.G. Truhlar.)
"Variational transition state theory with least-action tunneling calculations for the kinetic isotope effects in the $Cl + H_2$ reaction: Tests of extended LEPS, information-theoretic, and diatomics-in-molecules potential energy surfaces." Journal of Chemical Physics 82, 1985, 4102-4199. (With S.C. Tucker, D.G. Truhlar and B.C. Garrett.)

JAN G. JAWORSKI



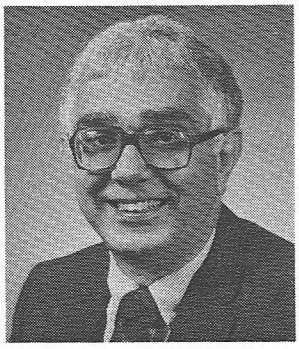
Associate Professor (1980)
Department of Chemistry (1974)

Degrees
PhD Purdue University 1972
BA College of the Holy Cross 1968

Selected Publications
"Characterization and purification of malonyl-coenzyme a acyl carrier protein transacylase from spinach and anabaena variabilis." Biochimica Biophysical Acta 794, 1984, 240-248. (With S.R. Stapleton.)
"Characterization of fatty acid biosynthesis in the cyanobacterium, anabaena variabilis." Biochimica Biophysics Acta 794, 1984, 249-255. (With S.R. Stapleton.)
"Preferential metabolism of linoleic acid by five-day old barley shoots." Lipids 19, 1984, 507-514. (With L.A. Nabors, M.S. Morgan, and D.W. Newman.)

Interests/Expertise
Biochemistry of plants and cyanobacteria.

ANASTAS KARIPIDES



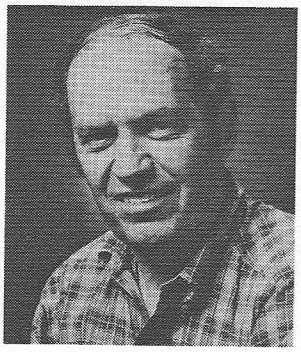
Professor (1984)
Department of Chemistry (1968)

Degrees
PhD University of Illinois 1964
MS University of Illinois 1961
AB Oberlin College 1959

Selected Publications
"The Structure of Tetraaqua (uracil-6-carboxylato)zinc(II) Hydrate and Tetraaqua(uracil-6-carboxylato)nickel(II) Hydrate." Acta Crystallographica, Section C. 1986 in press. (With B. Thomas.)
"Crystal Structure of Calcium 2-Fluorobenzoate Dihydrate: Indirect Calcium...Fluorine Binding Through a Water-Bridged Outer-Sphere Intermolecular Hydrogen Bond." J. Am. Chem. Soc. 106, 1984, 1494. (With C. Miller.)

Interests/Expertise
Solid state inorganic and physical chemistry. X-ray crystallography. Crystallographic and spectroscopic studies of crystal and molecular structures. Structural coordination chemistry. Intermolecular interactions and crystal energetics: Crystal growth from solution, melt and vapor.

JOHN E. KATON



Professor (1972)
Department of Chemistry (1968)

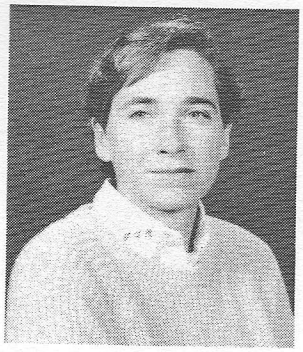
Degrees
PhD University of Maryland 1958
MS Kansas State University 1955
BA Bowling Green State University 1951

Selected Publications

"The Infrared Spectra of Dichloroacetic Acid Derivatives. Characteristic Absorption Frequencies of the - $CHCl_2$ Group." Applied Spectroscopy, 1986. (With T.H. Stout and G.G. Hess.)
"Oriented Polycrystalline Films for Infrared Spectroscopic Studies." Applied Spectroscopy, 1985, 273-278. (With J.M. Landry and. J.M. Hughes.)
"The Polarized Infrared Spectra and Crystal Structure of Dimethyltin Dichloride." Spectrochimica Acta, 1985, 291-298. (With J.M. Landry and J.M. Hughes.)

Interests/Expertise
Molecular microspectroscopy.

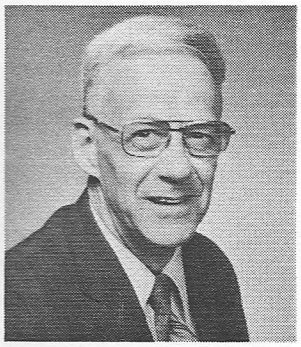
THERESA P. MULLIGAN



Instructor (1975)
Department of Chemistry, Middletown Campus (1975)

Degrees
MS Xavier University 1970
BS University of Dayton 1963

PERCY M. MUNDELL



Professor (1967)
Department of Chemistry (1952)

Degrees
PhD Ohio State University 1953
MA University of British Columbia 1945
BA University of British Columbia 1943

Selected Publications
"Osage Orange Pigments XVI: Structure of Alvaxanthone." Journal of Organic Chemistry 30, 1965, 1088-1091. (With M.L. Wolfrom and F. Komitsky, Jr.)
"Osage Orange Pigments XIV: Structure of Macluraxanthone." Journal of Organic Chemistry 29, 1964, 692-697. (With M.L. Wolfrom, et al.)
"Macluraxanthone and Two Accompanying Pigments from the Root Bark of the Osage Orange." Tetrahedron Letters, 1963, 749-755. (With M.L. Wolfrom, et al.)

MICHAEL NOVAK

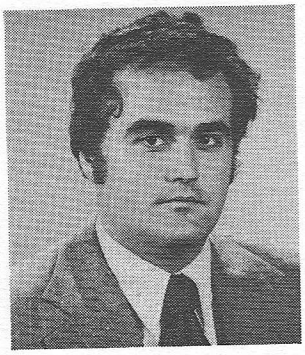
Associate Professor (1986)
Department of Chemistry (1986)

Degrees
PhD Cornell University 1976
MS Cornell University 1974
BS Rensselaer Polytechnic Institute 1972

Selected Publications
"Detection of N-Acetyl-p-benzoquinone Imine Produced During the Hydrolysis of the Model Phenacetin Metabolite N-(pivaloyloxy) phenacetin." Journal of Medicinal Chemistry 29, 1986, 1424. (With M. Pelecanou and J.N. Zemis.)
"Hydrolysis of the Model Carcinogen N-Pivaloxy-4--methoxyacetanilide: Involvement of N-Acetyl-p-benzoquinonimine." Journal of the American Chemical Society 108, 1986, 112. (With M. Pelecanou and L. Pollack.)
"Arylation of Diethyl Phosphate by N-(Sulfonatooxy) acetanildes: A Model for a Possible in vivo Reaction of Carcinogenic Metabolites of Aromatic Amides." Journal of Organic Chemistry, 50, 1985, 4661. (With J.N. Zemis.)

Interests/Expertise
Physical organic chemistry: Solution chemistry of carcinogens and toxic drug metabolites.

GILBERT E. PACEY



Associate Professor (1984)
Department of Chemistry (1979)

Degrees
PhD Loyola University of Chicago 1979
BA Bradley University 1974

Selected Publications
"L. Selectivity Enhancement Obtained by Using Flow Injection Analysis." Anal. Chim. Acta 179, 1986, 259.
"Selective Chlorine Dioxide Determination Using Gas Diffusion Flow Injection Analysis with Chemiluminescent Detection." Anal. Chem. 58, 1986, 1524. (With D.A. Hollowell, J.R. Gord, and G. Gordon.)
"Flow Injection Analysis in Process Control." Proceedings of the Instrument Society of America, 1986, 21.
"Vibrational Molecular Microspectroscopy." Anal. Chem. 58, 1986, 465A. (With J.E. Katon and J.F. O'Keefe.)
"Analytical Measurements of Ozone in Aqueous Solution." Proc. of the AWWA Water Quality Technology Conf., Houston, 1985, 91, 200. (With G. Gordon.)

Interests/Expertise
Analytical reagents, particularly chromogenic crown ethers. Flow injection analysis. Molecular microspectroscopy.

ALICE CHUNG PHILLIPS



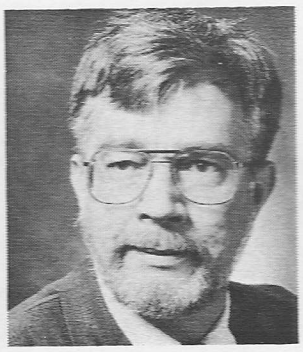
Associate Professor (1973)
Department of Chemistry (1969)

Degrees
PhD University of Chicago 1963
MS University of Chicago 1960
BS University of Chicago 1959

Selected Publications
"Electronic structure of HMN(CO) 5, H 2 FE(CO) 4, and HCO(CO) 4: molecular orbitals, transition energies, and photoactive states." Journal of the American Chemical Society 106, 1984, 7437-7443. (With C.J. Eyermann.)
"Localized atomic orbitals for atoms in molecules. III. polyatomic molecules." Journal of Chemical Physics 76, 1982, 1885-1896. (With K.H. Aufderheide.)
"Semiempirical molecular orbital calculations of atom-pair interactions in a molecule." Journal of the American Chemical Society 101, 1979, 1087-1094.
"A modified CNDD method for saturated hydrocarbons, amines, alcohols, and ethers." Journal of Chemical Physics 65, 1976, 2505-2511. (With J.W.H. Kao.)

Interests/Expertise
Interests: Music. Reading. Expertise: Chinese.

DAVID B. PHILLIPS



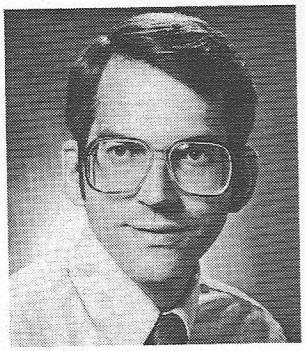
Associate Professor (1976)
Department of Chemistry (1965)

Degrees
PhD University of California, Berkeley 1965
AB Miami University 1961

Selected Publications
"Structure, hydrogen bonding and vibrational spectra of pyruvic acid." Journal of Molecular Structure 74, 1981, 75-84. (With W.J. Ray and J.E. Katon.)
"Infrared spectra of crystalline acetic acid. A hydrogen-bonded polymer." Applied Spectroscopy 31, 1977, 110-115. (With P.F. Krause, J.E. Katon, and J.M. Rogers.)
"Infrared spectroscopy at subambient temperatures." Applied Spectroscopy Reviews 7, 1973, 1-45. (With J.E. Katon.)

Interests/Expertise
Physical chemistry. Vibrational spectroscopy. Computer uses in instructional laboratories.

THOMAS L. RIECHEL



Associate Professor (1983)
Department of Chemistry (1978)

Degrees
PhD University of California, Riverside 1976
BS University of California, Davis 1972

Selected Publications
"Characterization of [Bis(acetylacetone)-ethylenediiminato] dichlorovanadium(IV), VCl_2(acen), and its Hydrolysis Product, [Bis(acetylacetone)ethylenediiminato]chlorooxovanadium(IV) Chloride, [VO(H_2acen)Cl]Cl." Inorg. Chem. 25, 1986. (With R. Seangprasertkij.)
"Synthesis of [Bis(salicylaldehyde) ethylenediiminato]diphenylvanadium(IV). Methanol, A Novel Organovanadium Compound." Inorg. Chem. 25, 1986, 3121. (With R. Seangprasertkij.)
"A Reinvestigation of the Bonding in Bis[N-(thioethyl) salicylidiniminato]oxovanadium(IV)." Inorg. Chem. 24, 1985, 1115. (With R. Seangprasertkij.)
Interests/Expertise
Bioinorganic chemistry, esp. use of electrochemical techniques (such as cyclic voltammetry and coulometry) and spectroscopy (UV-visible and IR) to study inorganic complexes serving as models for oxidation-reduction metalloenzymes.

ARLYNE M. SARQUIS



Senior Instructor (1986)
Department of Chemistry, Middletown Campus (1977)

Degrees
MS Texas A & M University 1973
BS University of California 1964

Selected Publications
"The Gelation of Polyvinyl Alcohol with Borax." Journal of Chemical Education 63, 1986, 57. (With E.Z. Cassassa and C.H. Van Dyke.)
"A Dramatization of Polymeric Bonding Using Slime." Journal of Chemical Education 63, 1986, 60.
"1st Annual Workshop at the Interface of High School and College Chemistry." Journal of Chemical Education 58, 1982, 226. (With H.V. Taylor.)
"Selenium: Its Chemistry and Occurrences." Journal of Chemical Education 57, 1980, 886. (Co-authored by C.D. Mickey.)
"Arsenic and Old Myths." Journal of Chemical Education 56, 1979, 815.

Interests/Expertise
Chemical education. Chemical demonstrations. Chemistry at the secondary and elementary levels. Chemistry in the community.

JERRY L. SARQUIS



Associate Professor (1980)
Department of Chemistry (1975)

Degrees
PhD Texas A & M University 1974
MS University of California, Davis 1968
BS California State University, Fresno 1965
AA College of the Sequoias 1963

Selected Publications
"A Syllabus for a One Semester Chemistry Course for Health Professions: Report of the Task Force on Chemical Education for Health Professions." J. Chem. Ed. 61, 1984, 620. (With M. Treblow and J.M. Daly.)
"Colloidal Systems." J. Chem. Ed. 57, 1980, 602.

Interests/Expertise
Developing and utilizing lecture demonstrations to illustrate chemical phenomena to facilitate student learning. Active in working with pre-college (kindergarten through high school) teachers to encourage them to utilize hands-on science activities and demonstrations with their classes.

JOHN F. SEBASTIAN



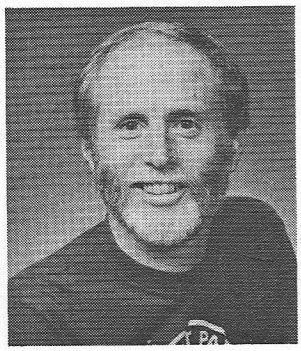
Professor (1980)
Department of Chemistry (1967)

Degrees
PhD University of California, Riverside 1965
BS San Diego State University 1961

Selected Publications
"The Synthesis of 2.7-Dioxabicyclo(3.2.1.) Octanes." Synthetic Communications 12, 1982, 607-612. (With F.T. Oakes and R.W. Saylor.)
"Allylic vs. Vinylic Deprotonation of Cyclic Vinyl Ethers. 7-Lithio-2,3,4,5-Tetrahydrooxepin: Synthesis and Carbon-13 Nuclear Magnetic Resonance Spectrum." Journal of Organic Chemistry 47, 1982, 3094-3097. (With F.T. Oakes and F.A. Yang.)
"Inhibition of Carboxypertidase a Catalyzed Peptide Hydrolysis by 3-Phenylpropandate at Activating and Nonactivating Substrate Concentrations." Canadian Journal of Biochemistry 57, 1979, 357-365. (With R. Poorman, M. Kud, D.I. Johnson, and S. Lin.)

Interests/Expertise
Biochemistry and organic chemistry: nucleic acids, enzymes, FTNMR, MO calculations, physical organic chemistry, organolithium compounds.

ROBERT P. STEWART, JR.



Professor (1984)
Department of Chemistry (1972)

Degrees
PhD University of Wisconsin 1970
BS University of California, Berkeley 1966
AA American River College 1964

Selected Publications
"Rhodium-Catalyzed Hydroformylations of Unsaturated Nitrogen Heterocycles: Regio- and Steroselectivity in the Synthesis of Tropane and Piperidine Carboxaldehydes." J. Mol. Catal. 31, 1985, 15-37. (With D. Banach, et al.)
"Conversion of Coordinated Carbon Monoxide into Carbon Dioxide Via Oxygen-Atom Transfer from Coordinated Nitrite: Thermolysis of $Ru(NO_2)_2(CO)_2(PPh_3)_2$." Journal of the American Chemical Society 103, 1981, 3388-3395. (With D.T. Doughty and G. Gordon.)
"X-Ray Diffraction Studies of the Influence of Lattice Effects on the Metal Carbonyl Framework of the $[Mo_2(CO)_{10}(U-H)]$-Monoanion." Journal of Organometallic Chemistry 208, 1981, 55-71. (With J.L. Petersen and A. Masino.)

HARRIET V. TAYLOR

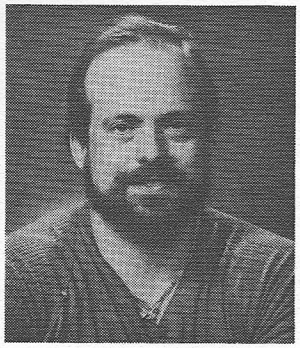


Associate Professor (1980)
Department of Chemistry (1977)
Executive Director, Hamilton Campus (1984)

Degrees
PhD Northwestern University 1972
MS Northwestern University 1971
BS Ursinus College 1967

Selected Publications
"First Annual Workshop at the Interface of High School and College Chemistry." Journal of Chemical Education 58, 1981, 266-268.
"Conservation Energy." Journal of Chemical Education 58, 1981, 158-161.
"An Electron Spin Resonance Study of the Phosphorescent States of Some 4- and 4,4'-Substituted Biphenyls." Journal of the American Chemical Society 95, 1973, 3216-3219.

RICHARD T. TAYLOR



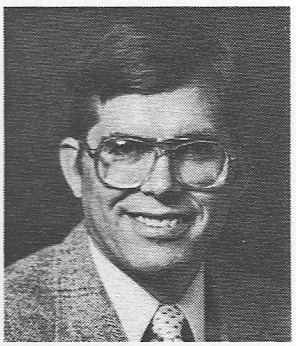
Associate Professor (1983)
Department of Chemistry (1978)

Degrees
PhD Ohio State University 1977
BS University of Delaware 1972

Selected Publications
"Polymer-Bound Oxidizing Agents." Chapter in ACS Symposium Series 308: Polymeric Reagents and Catalysts, 1986, 132-154.
"1,6-Dimethyltricyclo 4.1.0.0 2.7 Hept-3-Ene." Organic Synthesis 61, 1983, 39-42. (With L. A. Paquette.)
"Polystyrene-bound Phenylseleninic Acid: Catalytic Oxidations of Olefins, Ketones, and Aromatic Systems." Journal of Organic Chemistry 48, 1983, 5160-5164. (With L.A. Flood.)
"Reactivity of Kel-F Polymers with Organolithium and Organomagnesium Compounds." I & EC, Product Research and Development 22, 1983, 303-307. (With N.D. Danielson, J.A. Huth, R.W. Siergiej, J.G. Galloway, and J.B. Paperman.)

Interests/Expertise
Polymeric reagents. Synthesis. Organosilicon chemistry. Strained rings.

JOHN WILLIAMS



Assistant Professor (1985)
Department of Chemistry, Hamilton Campus (1985)

Degrees

PhD Ohio State University 1975
MS University of Wyoming 1970
BS University of Wyoming 1969

Selected Publications

"Computer Learning Package Review" of Prelab Studies for General, Organic and Biological Chemistry, by S.L. Olmsted and R.D. Olmsted. J. Chem. Educ. 62, A29, 1985.

"Instructor's Manual" to second editions of Chemistry by Bailar, et al., and Chemistry with Inorganic Qualitative Analysis by Moeller, et al. Academic Press, 1984. (With C. Metz.)

"Student Solutions Manual" to second editions of Chemistry by Bailar, et al., and Chemistry with Inorganic Qualitative Analysis by Moeller, et al., Academic Press, 1984. (With C. Metz.)

Interests/Expertise

Chemical education. Organo transition metal chemistry. History of chemistry.