The UW-EC Office of Institutional Studies annually compiles lists of faculty projects, programs, research, and publications. The first three editions *, 1968, 1969, and 1970, are separately bound and on file in the Office of Institutional Studies and in many departments and offices. Subsequent annual reports are filed on the following pages. For each year the pages of Current Projects, Programs and Research are numbered 585YY.PP, in which YY is the last two digits of the year covered and PP is a page number between 00 and 49. The pages of Faculty Publications are numbered 585YY.QQ in which each QQ is a page number between 50 and 99.

Each report is an attempt by the Office of Institutional Studies to communicate the extent to which UW-EC faculty participate in research and related activities. Information for the compilation is provided by faculty members through the department chairman to the Office of Institutional Studies. This cooperation is appreciated; continuing success of the project is dependent upon it. Suggestions for improvement and notification of errors are solicited.

* These editions do not contain listings of faculty publications. See the appropriate volume of WSU's Publication Abstracts. The 1970 edition is the last of that series.
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ACCOUNTANCY

Chairman: Lawrence Ozzello

1. Research and Investigation

Ozzello, Lawrence M.
An Occupational Follow-up of Accounting Majors from the University of Wisconsin-Eau Claire

Funding: Status:
An occupational analysis of all accounting majors having graduated from the UW-EC. The study analyzes type of work, job classification, type of accounting major, remuneration, promotional potential, professional examinations, and mobility. It further looks at each of the above by year graduated.

Wallum, Joel P. Collaborator: Abbas Ahvesrawil
Gill: The Political Utility
Funding: None, other than personal
Status: In progress

4. Dissertation Research

Knutson, Dennis L.
An empirical study of perceptions about the importance of selected disclosure requirements for companies of different sizes and types

Funding: None, other than personal
Status: In progress

ALLIED HEALTH PROFESSIONS

Chairman: John Gerberich

1. Research and Investigation

Gerberich, John
C.A. Abele's History and Development of Grade A Milk Program

Funding: None, other than personal
Status: Complete

C.A. Abele, one of the founders of the Grade A Milk organization, gave his historical background on tape. This was transcribed, edited, printed, and distributed to those interested in the development of one of America's basic foods. Mr. Abele passed away three months after this material was taped.

Klun, Carol L. Supervised Student: Dennis Lamb
A Comparison of Duties and Synthesis of a Typical Job Description for Supervisory Personnel in the Hospital Laboratory

Funding: None, other than personal
Status: Complete

A questionnaire was mailed to 150 hospitals throughout the United States to adequately analyze the supervisor's job and to obtain related information. Information concerning business background, exposure to literature on job descriptions, and whether or not the respondents had job descriptions for their jobs.

Supervised Student: Thomas Olson
Education for Educators in Medical Technology

Funding: Other
Status: In progress

2. Artistic Production, Showing, or Recital

Gerberich, John Collaborators: R.J. Fuller, R. Stahl

Environment Is Your Profession, Multi-Media Presentation (International Association of Milk and Food Society)

Funding: Departmental
Status: Complete

Illustrating how a group of professional sanitarians have developed three training programs for their own needs: the B.S. in environmental and public health for the new employees, continuing education for the practicing sanitarians, and a proposed M.S. in environmental and public health for professional sanitarians.

5. Institutional Study

Gerberich, John
History and Development of the Health Care Administration Degree (Housed in UW-EC Archives)

Funding: None, other than personal
Status: Complete

This is an outline of how an interdisciplinary curriculum was developed and how various steps needed approval before becoming implemented.

ART

Chairman: Charles Campbell

2. Artistic Production, Showing, or Recital

Bansing, William A.
Three Intaglio Prints

Funding: None, other than personal
Status:

Campbell, Charles T.
Continuing Production of Paintings, Drawings

Funding: None, other than personal
Status: In progress

Jostin, R. W.
Production of ceramic art work

Funding: None, other than personal
Status: In progress

Katrosits, Stephen R.
Artistic Production - Experiment with airbrush painting

Funding: None, other than personal
Status: In progress

Ortiz, Signe M. Supervised Students: Six Fibers Students
1. Ecumenical weaving with 4 students
2. Weavings for the "Scandinavian Festival"

Funding: Other
Status: In progress

Pearson, William A.
Creating and Exhibiting Art

Funding: None, other than personal
Status: In progress

Shafer, Andra
Exhibition in Foster Gallery

Funding: None, other than personal
Status: Complete
3. Major Student Research

Joslin, Richard W.  
Supervised Student: Paul Gustafson  
Ceramic Glaze Testing With the Aid of a Computer

Funding: Departmental  
Status: in progress  
BIONGY  
Chairman: Marcus Fay

1. Research and Investigation

Balding, Terry A.  
Life History of the Blue Jay (Cyanocitta cristata)  
Funding: None, other than personal  
Status: in progress  
Fay, Marcus  
The Flora and Plant Communities of the Pigeon Lake Region,  
Chequamegon National Forest, Bayfield County, Wisconsin  
Funding: None, other than personal  
Status: in progress  
Font, William F.  
A Survey of the Helminth Parasites of Vertebrates in the Eau  
Claire Area  
Funding: Departmental  
Status: in progress

Distribution and Life Studies on the Trematode Genus  
Alloglossidium  
Funding: University Research Grant  
Status: in progress  
Supervised Student: Carol Nelson  
Incidence of Dog Roundworm, Toxocara canis in Eau Claire  
and Its Relationship with Visceral Larval Migrans  
Funding: Departmental  
Status: Complete  
Dog feces were examined for eggs of Toxocara canis using the  
zinc sulfate concentration technique. The overall incidence  
was 20% of the dogs infected. The highest incidence was  
found in puppies, 91% rate of infection. Random samples  
were made of dog feces in city parks. Fourteen percent of  
these samples were positive for eggs. A potential health  
hazard exists because of the role this parasite plays in  
a disease known as visceral larval migrans.

Supervised Student: Patricia Thorpe  
Survey of the Helminth Parasites of Shrews in the Eau Claire  
Area  
Funding: Departmental  
Status: Complete  
Twenty-seven short-tailed shrews, Blarina brevicauda,  
and eleven masked shrews, Sorex cinereus, were examined  
for internal helminth parasites. 97% of the Blarina  
brevicauda were parasitized, along with 64% of the  
Sorex cinereus. Three species of trematodes, eight of  
estodes, and eight of nematodes were found in this survey.

Ho, Yul T.  
Collaborator: R.E. Comstock  
Combining superior alleles from two homozygous populations  
in a cross-fertilizing species  
Funding: Other  
Status: in progress

Jewell, Thomas R.  
Intestinal Flora of Freshwater Fish  
Funding: University Research Grant  
Status: in progress

Thermophilic Fungi in Natural Materials  
Funding: Departmental  
Status: in progress  
Lawke, Robert E.  
Foraging Strategy of Permanent Summer and Winter Resident  
Birds  
Funding: None, other than personal  
Status: Complete  
Foraging strategy of summer and winter resident birds as groups  
were found to be significantly different from permanent residents,  
thus excessive competition between groups was avoided.

Supervised Student: John McGowen  
Bird Census of Lower and Upper Putnam Park Floodplain  
Funding: None, other than personal  
Status: in progress

Snudden, Birdell  
Microbial Ecology of the Waters of Northwestern Wisconsin  
Funding: None, other than personal  
Status: in progress

3. Major Student Research

Decker, Gene P.  
Supervised Student: Noel T. Carlson  
The Nutrition of Athletics: A Literature Review  
Funding: None, other than personal  
Status: in progress  
Lim, John K.  
EMS-Induced Delayed Mutations in Drosophila  
Funding: Departmental  
Status: in progress  
Supervised Student: Jorge Won  
Triethylene melamine (TEM)-Induced scute mutants In Drosophila  
Funding: Departmental  
Status: in progress

Snudden, Birdell  
Supervised Student: Thomas E. Adams  
Isolation of Enteropathogenic Escherichia coli from the  
natural water systems of the Eau Claire, Wisconsin area  
Funding: Departmental  
Status: Complete  
Water samples were collected from four sites in the Eau Claire,  
Wisconsin area, over a six week period, to determine the  
presence of enteropathogenic E. coli in the natural water system.  
A total of 186 fecal coliform isolates were tested by sero-  
logical means to determine enteropathogenicity. Thirty-four,  
or 18.26%, of the isolates were identified as enteropatho-  
genic serotypes of E. coli. Additional biochemical tests  
to determine enterotoxigenicity of the isolated strains were  
also included in the study.
I. Wruff, Allen

Research

Occurrence of Pseudomonas aeruginosa in chlorinated swimming pool water in Eau Claire, Wisconsin

Funding: Departmental
Status: Complete

Three swimming pools in Eau Claire, Wisconsin were studied for the presence of Pseudomonas aeruginosa. The water and several sites adjacent to the pools were sampled twice a day, every day for 17 days at times of low and peak bather occupancy. A membrane filtration method was used, with an appropriate media to isolate the fluorescent organisms. Ammonia nitrogen, chlorine, and pH values of the water were determined. Colony counts correlated directly with the number of swimmers and ammonia nitrogen concentration. The counts varied inversely to the concentration of chlorine. It was found that Pseudomonas aeruginosa is indeed a significant contaminant of swimming pool water. The source of contamination is the bather population.

Woodruff, John

Supervised Student: Catherine Carbaugh

The Interrelationships of Abscisic Acid and Gibberellic Acid During Cold Hardening of Winter Wheat

Funding: Departmental
Status: In progress

4. Dissertation Research

Lim, John KI

Supervised Student: Eric Eggers

Mutagen Sensitivity of an X-Chromosome Segment at Two Different Positions in the Genome of Drosophila

Funding: Departmental
Status: In progress

Supervised Student: Ardelle R. Johnson

Induction and Analysis of High-Frequency-Recombination Mutants in Drosophila

Funding: Departmental
Status: In progress

Supervised Student: D. Andrew Schultz

Genetic Analysis of Male Sterility Mutants in Drosophila

Funding: Departmental
Status: In progress

Woodruff, John

Supervised Student: Larry Hunter

Changes in Metabolites of Winter Wheat During the Breaking of Cold Hardiness

Funding: Departmental
Status: In progress

Supervised Student: Alchard Greder

Cold Hardiness in Root Tissue of Winter Wheat During Prolonged Exposure to First Stage Hardening

Funding: Departmental
Status: In progress

BUSINESS ADMINISTRATION

Chairman: D. Wallace Well

1. Research and Investigation

Allen, Stuart J.

Collaborators: R. Decker

Simulation of a Foundry Operation

Funding: Federal
Status: In progress

Cayley, William

Factor Analytic Study of the Personality-Equity Relationship

Funding: None, other than personal
Status: In progress

Collaborators: W. Werner

M.B. Rosenberg-DiShman

Organizational Study - Eau Claire County

Funding: Other
Status: Complete

Organizational Study of Eau Claire County, including job description, organizational charts, wages and salaries, recommendations, and Affirmative Action Plan.

Collaborators: W. Werner

M.B. Rosenberg-DiShman

Personnel Policies and Procedures Manual - Adams County

Funding: Other
Status: Complete

Review of policy, practices, and development of a personnel policy manual for Adams county, Wisconsin.

Lepisto, Lawrence R.

Service Marketing: Implications for Marketing Management

Funding: None, other than personal
Status: Complete

This paper questions the assumption that marketing concepts and practices are equally applicable to both products and services. A classification scheme of services has been proposed to permit the examination of different types of services and their link to traditional marketing practices. When evaluating services, it was noted that their relationship with marketing activities is often not as applicable as would be with products. This paper also raises the questions of service marketing and of buying behavior of services that are not answered by the existing product-oriented marketing literature.

CHEMISTRY

Chairman: Floyd Krause

1. Research and Investigation

Bowers, Delores M.

Collaborator: Steven J. Fritz

Supervised Students: Terry Eckleright

Jack Silkos

Mark Shafeski

Mike Bye

Water Analysis on Seven-Mile Creek, Landfill Walls, and Papermill Sludge Testing Program for City of Eau Claire

Funding: Other
Status: In progress

Demur, Richard

Supervised Student: Dawn Krawczylo

The Determination of the Dissociation Constants of Weak Acids

Funding: Federal
Status: In progress

Supervised Students: Joyce Breitweiser

Craig Koyser

Ann Greenlau

Hydrogen Bonding

Funding: Federal
Status: In progress

Supervised Students: Greg Grase

Lynn Vlasek

Denise K. Hsu

New B-Diketo Metal Complexes I: Synthesis and Characterization

Funding: University Research Grant
Status: In progress
CURRENT PROJECTS, PROGRAMS AND RESEARCH 1976 (continued)

Groutas, William E. Supervised Student: George Melzner
Design and Synthesis of Bio-Active Molecules: Antitumor Agents
Funding: University Research Grant
Status: In progress

Supervised Student: David Heln
Design and Synthesis of Specific and Irreversible Inhibitors of Elastase
Funding: None, other than personal
Status: In progress

Supervised Student: George Melzner
Design and Synthesis of Bio-Active Molecules: Antitumor Agents
Funding: University Research Grant
Status: In progress

Supervised Student: David Heln
Design and Synthesis of Specific and Irreversible Inhibitors of Elastase
Funding: None, other than personal
Status: In progress

Use of the Malonycin Nucleus as a Template for the Development of New Antitumor Agents
Funding: None, other than personal
Status: In progress

Keen, Brian T. Supervised Student: Karen Klekhofer
Halogenation and Dimerization of Various 1,2,4 - Triazine - 1 - Oxides
Funding: Departmental
Status: In progress

Ochrymowycz, Leo Supervised Student: James Sarafin
Synthesis of "Blue Copper" Protein Mixed Aza-Thia Macrocyclic Ligand
Funding: University Research Grant
Status: Complete

Methodology was developed for high yield cyclization of thio-
tosylamides to yield the inner coordination sites of Blue Copper (Type I) proteins. The copper coordination chemistry and properties of the complexes are now under investigation by collaborators at Wayne State University.

Supervised Student: Mark Purgett
Synthesis of Side Chain Substituted Macrocyclic Polyetha-
eres -- Models for Improved Chemotherapeutic Puring Agents
Funding: Federal
Status: Complete

The introduction of side chains into macrocyclic ligands was investigated. Methodology was developed for di- and tetra-substituted ligand of idealized coordinability with Hg (II).

Supervised Students: Dan Gerber
Pichal Chongswangwirot
Synthesis of the Torsionally Strained Monocyclic Polyethylene
2,4,7-Trithiacyclononane
Funding: Federal
Status: Complete

The strained macrocycle was synthesized and its properties investigated. Theoretical calculations which had established its posited instability were refuted. Coordination chemistry of the macrocycle with Cu (II) are in progress by collaborators at Wayne State University and Syracuse University.

Pladziewicz, John Supervised Student: Robert Rasnick
Electron Transfer Reactions of Superoxide Anion
Funding: Other
Status: In progress

Supervised Student: Paul Brown
Studies of the Iron-Sulfur Protein Model Complexes
Funding: University Research Grant
Status: In progress

Supervised Student: Cheryl Wendt
Electron Transfer Reaction of H_2O and Ferrocene
Funding: Other
Status: In progress

Tanaka, Wesley K. Supervised Students: Ellen Zimmerman
Jeff Strong
Donna Busche
Amino Acyl-TRNA Synthetases in Brine Shrimp
Funding: University Research Grant
Status: In progress

3. Major Student Research

Donio, Allen A. Supervised Student: James Zank
A Study of the Properties and Behavior of Polymer Films Cast on Liquid Surfaces and Subsequently Exposed to Ultraviolet Radiation
Funding: University Research Grant
Status: In progress

Wilson, Robert L. Supervised Student: Fred Fleming
Development of a Fluorometric Reaction-Rate Method of Analysis for Amphetamine
Funding: Departmental
Status: In progress

Supervised Student: Richard Pustow
Development of a Fluorometric Kinetics-Based Method for Analysis of Barbiturates
Funding: Departmental
Status: In progress

7. Innovative Pedagogical Project

Klink, Joel R.
Subject Matter Diversification Via Modular Instruction
Funding: Other
Status: In progress

COMMUNICATIVE DISORDERS
Chairman: Theodore Peters

3. Major Student Research

Larson, Vicki Supervised Student: Gail VanTatenhove
Curriculum Guide to Teach Sign Language to the Hearing Impaired Mentally Retarded
Funding: None, other than personal
Status: In progress

4. Dissertation Research

McMillen, Margaret
The Construct Validity of Elicitied Inclination Procedures in Child Language Assessment
Funding: None, other than personal
Status: In progress

COMPUTER SCIENCE
Chairman: David Nuesse

1. Research and Investigation

Larsen, Leonard A. Collaborators: David Nuesse, Richard Baum
PLANIT Implementation on UN-EC Equipment
Funding: University Research Grant
Status: In progress
7. Innovative Pedagogical Project

Headdington, Mark R. Collaborators: R. Decker
S. Allen
F. Wendt

Innovative Pedagogical Project
Funding: University Research Grant
Status: In progress

ECONOMICS
Chairman: Donald Ellickson

1. Research and Investigation

Wassink, Darwin

D11 Production, Pricing, and the International Financial Market
Funding: Other
Status: Complete

Theoretical analysis of pricing of exhaustible resources shows
that improving the attractiveness of international investments of
OPEC countries would benefit everyone. The countries
would have an incentive to increase production and lower
prices.

4. Dissertation Research

Christianson, Rodney W. Collaborator: Philip M. Raup
Minnesota Rural Real Estate Market in 1974, 1975, and 1976 --
Rural Land Prices and Land Market Trends
Funding: Other
Status: in progress

ELEMENTARY EDUCATION
Chairman: Max Poole

5. Institutional Study

Garber, William Jack Collaborators: Burton Spangler
Kevin Heaton
Self-instructional Program Titled "Operation of the Sony
Cassette Tape Recorder"
Funding: Departmental
Status: In progress

ENGLISH
Chairman: Douglas Pearson

1. Research and Investigation

Areta, Esther L.
Supplement to Black American Playwrights, 1974 to Present --
Lives of Three Women Who Lived During the Reign of Louis XIV:
Historical Novel
Funding: None, other than personal
Status: In progress

Curtis, Allen
Construction of the Syllable in Human Infants
Funding: None, other than personal
Status: Complete

The purpose of this project was to study the speech of 6 - 12
month old infants, in order to observe the process by which
they acquire control of the articulatory mechanisms under-
lying syllable production (i.e., CV sequences). The data
gathered strongly suggests a stage-like acquisition of this
ability. A paper reporting the study's findings will be read
at the Minnesota Regional Conference on Language and Linguis-
tics, May 14, 1977, titled "Evaluation of the Syllable in
Human Infants."

Fairbanks, Carol
Women in Literature: Criticism of the Seventies (A supplement)
Funding: None, other than personal
Status: Complete

A 300-page updating of Women in Literature: Criticism of the
Seventies which was published in 1976.

Fairbanks, Carol Collaborators: Eugene Engeldinger
Black Fiction: A Bibliography
Funding: None, other than personal
Status: In progress

Hilger, Michael J.
Anthology of Motorcycle Poetry
Funding: None, other than personal
Status: In progress

Jackson, Alan S.
Alcoholism and Literature
Funding: None, other than personal
Status: in progress

Lestr, Ellen
A Brief History of Women at UW-Eau Claire
Funding: None, other than personal
Status: in progress

Hilde Belli Oxby: A Profile
Funding: None, other than personal
Status: in progress

Morris, Elizabeth
The Common Topic of the New Rhetoric
Funding: None, other than personal
Status: in progress

Spaulding, Kenneth
The Texas Iron: John Haley's Journal of Travels Along the
Red River
Funding: None, other than personal
Status: in progress

Waters, D. Douglas
Shakespeare's Tragedies
Funding: None, other than personal
Status: in progress

2. Artistic Production, Showings, or Recitals

Lindquist, Wayne
A Novel: The New Face
Funding: None, other than personal
Status: in progress
3. Major Student Research

Alexander, Robert A. Supervised Student: Sylvia Gengenbach
Milton's Influence on Keats's Poetry
Funding: None, other than personal
Status: Complete

Keats tried to live his life and write his poetry according to the tenets of Milton. Milton's influence is seen in the earlier poetry, particularly in the narrative poetry.

4. Dissertation Research

Clarke, Eleanor M.
Archetypes in the drama of John Millington Synge
Funding: None, other than personal
Status: In progress

Pearson, Douglas A.
The Cinematic Imagination of Thomas Hardy
Funding: None, other than personal
Status: In progress

5. Program With Federal or Foundation Support

Pearson, Douglas A. Collaborator: Departmental colleagues
Language and Literature in a Democratic Society
Funding: Federal
Status: Complete

This program was a series of lectures and discussions by writers, scholars, and teachers. The purpose was to involve community, university, and individuals in the humanities. A small press or alternative literature conference was the culminating activity.

6. Innovative Pedagogical Project

Olson, James
BASIC Computer-Assisted Institutional Programs In Spelling, Vocabulary, and Reading
Funding: UW-EC Computer Services
Status: In progress

7. Innovative Pedagogical Project

Gunn, Richard L.
Wolfgang Koeppen's Postwar Novels
Funding: None, other than personal
Status: In progress

Fur und wider die Frauen. 14 Briefs (translation)
Funding: None, other than personal
Status: In progress

Geography
Chairman: J. Brady Faust

1. Research and Investigation

Faust, James B. Collaborator: A.R. deSouza
The Lower Levels of the Wisconsin Urban System: Functional Size, Trade Areas, and Nesting
Funding: Federal
Status: In progress

2. Research and Investigation

Goranson, Leonard
A Study of the Growth of U.S. Cities Relative to the Growth of Manufacturing, 1870 to 1970
Funding: None, other than personal
Status: In progress

Seltz, Karl
Field Inspection of Land Use in Rockies and Southeastern U.S.
Funding: None, other than personal
Status: In progress

Tanner, Gilbert
Lend Lease Maps of Bayfield County
Funding: Other Status: Complete

A continuation of the West Central and Northwest planning commission Mapping Project, we have now completed 16 of 18 maps.

Thiede, Roger L.
Geographic Education in Soviet Secondary Schools
Funding: None, other than personal
Status: In progress

Geographical Teaching Objectives in Soviet Secondary Schools: Forms Five and Six
Funding: None, other than personal
Status: Complete

Geography as a secondary school subject begins in the first year of the secondary school (5th Form) in the U.S.S.R. The geography courses of the 5th and 6th forms (ages 12-13) are essentially on the physical environment. Teaching objectives aim toward a basic understanding of the environment from the scale of the immediate locale to continents. What is more significant, however, from the standpoint of the strength of geographical education in the secondary schools is the fact that these early subjects lay the foundations for appreciating the complexity of the components of nature. These forms set out to teach the relationships of the geographical sciences with course work in both the natural and social sciences. The strength and validity of geography as a continuing field of study in itself is further enhanced through the teaching of (physical) geographical laws, spatial relationships, and the work of contemporary geographical researchers.

4. Dissertation Research

Cahow, Adam C.
Glacial Geomorphology of the Southwest Segment of the Chippewa Lobe Moraine Complex, Wisconsin
Funding: Other
Status: Complete

This dissertation consists of an analysis of the landforms, sediments, and general geological conditions of portions of Chippewa, Clark, Rusk, and Taylor Counties, Wisconsin.
7. Innovative Pedagogical Project

Palm, Richard
Physical Geography - A media program with accompanying textbook designed for use by junior college students and freshman and sophomore students at four-year colleges and universities.

GEOLGY
Chairman: Peter Whelan

1. Research and Investigation

Bergstrom, John Supervised Student: John M. Jefferson
Trace Fossils from Jackson County, Wisconsin
Funding: Departmental and other (personal)
Status: In progress

Myers, Paul E. Collaborator: Gene LaBerge
The Central Wisconsin Batholith
Funding: Univ. Research Grant (UW-O)
Status: Complete

A Middle Precambrian batholith comprising numerous epizonal plutons ranging in composition from quartz to granite is sparsely exposed in an area of over 2,000 square miles in central Wisconsin. Broad, north-east-trending shear zones separate the composite batholith and its low-grade, volcanic-sedimentary envelope from horst-like blocks of high-rank gneiss, migmatite, and amphibolite. Lenticular masses of phyllite, ultramafics, and many other rock types occur along the shear zones. Thus, the Middle Precambrian Animikie Basin is broken into a series of northeast-trending fault blocks with preservation of low-grade metavolcanics and younger granitic intrusives for the batholith in the grabens. The grabens may have acted as catchments for horst-derived sediments during faulting.

Zircons in Granitoid Rocks, Harpster area, Idaho
Funding: 
Status: Complete

Geology of the Harpster Quadrangle and Vicinity, Idaho
Funding: Other (Idaho Bureau of Mines & Geology)
Status: Complete

Three major structural elements of the western batholith margin southeast of Harpster, Idaho are fault blocks separated by broad zones of cataclasite and reverse displacement. Structures dip 50-85° east in the south half of the area and 35-80° southeast in the north half. The faults become generally steeper eastward across the area. Cataclasite occurred before, during, and after diapiric uprise of the Idaho batholith during Late Cretaceous time. The northwest (Harpster) fault block contains massive and phyllonitic Seven Devils Volcanics of Permian-Triassic age cut by mafic to ultramafic dikes and younger, contaminated tonalite of the Harpster stock. The serrated, gabbroic roof of the Harpster stock is crowded with mafic xenoliths and plunges gently westward. Its southern contact is an east-west-trending fault.

1. Research and Investigation

Lutz, Howard
Selected writings of Emilie Fogelklou, translated from Swedish with a biographical introduction by H. T. Lutz.
Funding: None, other than personal
Status: In progress

Warloski, Ronald Technology & Society
Funding: Other
Status: In progress

3. Major Student Research

Blackorby, Edward C. Supervised Student: Joan Angel
"Carver's Claim Covers Much of Area" appeared in Our Story 1776-1976; published as a bicentennial production of E. C. Leader-Telegram.
Funding: Departmental
Status: Complete

Supervised Student: Margaret Unhoefer
The Life of James E. Lyons
Funding: Departmental
Status: Complete

Supervised Student: John Jemsvold
Funding: Departmental
Status: Complete

Cochrane, William Collaborator: Mildred Carter Fletcher
Funding: Departmental
Status: Complete

Fischer, Duane Supervised Student: Claire Jacobson
"The Battle of Whitestone Hill"
Funding: Departmental
Status: Complete

Supervised Student: Craig Sheldon
"The Sand Creek Massacre"
Funding: Departmental
Status: Complete
CURRENT PROJECTS, PROGRAMS AND RESEARCH, 1976 (continued)

2. Artistic Production, Showing, or Recital

Baker, David
Composition for Wind Ensemble and Trumpet,
Alto Saxophone and Trombone Solos
Funding: None, other than personal
Status: In Progress

Burky, Kenneth
Faculty Piano Recital
Funding: None, other than personal
Status: Complete

Cunningham, Michael G.
Collaborator: Wil Denson
Aladdin McFaddin (Incidental Music to Children's Play)
Funding: None, other than personal
Status: Complete

The Annunciation (A lengthy composition for women's chorus and piano)
Funding: None, other than personal
Status: In progress

Katherine Sloper of Washington Square (A full-length opera based on Henry James' Washington Square)
Funding: None, other than personal
Status: In progress

Constellations (Three etudes for symphony band and electronic tape)
Funding: None, other than personal
Status: In progress

High School Choral Series
Funding: None, other than personal
Status: In progress

Symphonic Arias - Night (Orchestration of this cycle)
Funding: None, other than personal
Status: Complete

Dick, Beverly A.
Supervised Student: Nancy Rule
Student Recital
Funding: None, other than personal
Status: Complete

Student Recital
Supervised Student: Mary Beth Klein
Funding: None other than personal
Status: Complete

Collaborators: Nancy Rice
Donald George
Faculty Recital
Funding: None, other than personal
Status: Complete

Cacchini, Penelope C.
Collaborator: Paul Kosower
Faculty Recital
Funding: None, other than personal
Status: Complete

The Rachmaninoff Sonata in G Minor, Op. 19 for Cello and Piano
Cecchini, Penelope C.  Supervised Student: Charles Petree

Senior Piano Recital in partial fulfillment of the requirements for the B.M. degree
Funding: None, other than personal
Status: Complete

Solo Keyboard Music of J.S. Bach, Mozart, Debussy, and Ginastera
Collaborator: Richard Johnson

Violin sonatas of Handel, Beethoven, and Franck
Collaborator: Rupert Hohmann

Faculty Piano Recital
Funding: None, other than personal
Status: Complete

J.S. Bach, Brahms, Dello Jolo, and Bartok
Annual Piano Clinic
Funding: Departmental
Status: Complete
Week of study for high-school and junior high-school age pianists; designed exclusively to reinforce regular study.
Collaborator: Richard Johnson

Eighth Annual Contemporary Music Symposium
Funding: Departmental
Status: Complete

Vocal music of John Boden
Collaborator: Richard Johnson

Organ Recital
Funding: None, other than personal
Status: Complete

Organ works by Rameau, Wach, Bach, Debussy, Diemer, Ives, Young, Whiting, and Liszt

Conductor, St. John Passion by Handel, at Our Savior's Lutheran Church
Funding: Other
Status: Complete
Kosower, Paul R.

University Chamber Orchestra Concert
Funding: Departmental
Status: Complete

Works by Haydn, Weber, Cunningham, Stravinsky, and Mozart

University Chamber Orchestra tour
Funding: Departmental
Status: Complete

Performances in Minneapolis - St. Paul of works by Bach, Stravinsky, Cunningham, Mozart, and Haydn.

Performance in Contemporary Music Symposium
Funding: Departmental
Status: Complete

Performed music of John Boda

Organ Recital
Funding: None, other than personal
Status: Complete

Works by Bach, Massiaen, Franck, Stravinsky, Vierne, Liszt, Debussy, Ivas, and Roman

University Chamber Orchestra tour and home concert
Funding: Departmental
Status: Complete

Performances in Minneapolis and on campus of works by Bach, Beethoven, and Mozart

Faculty Cello Recital
Funding: None, other than personal
Status: Complete

Works by Bach, Boccherini, Faure, Bruch, and Rachmaninoff

Lunde, Iver Collaborators: Nancy Rice

Lunde, Manette

Faculty Recital
Funding: None, other than personal
Status: Complete

The recital took place on Sunday, October 10 in the Gartner Concert Hall. The concert featured music for the oboe and English horn of French and Italian origin.

Symphony No. 1 for Orchestra
Funding: None, other than personal
Status: Complete

The symphony has 3 movements. The first movement has 2 equally important themes. The 2nd movement is monothematic, but the theme changes character all the time. The finale is fast and contains large contrasts, ending in a free cadenza for the whole orchestra.

This piece was a winner in a composition contest sponsored by the Oslo Concert Hall, Fall 1976, Oslo, Norway.

Elegy for Symphonic Band, Opus 61
Funding: None, other than personal
Status: Complete

The Elegy was first runner-up in the 1977 ABA-Ostwald Band Composition Contest, it was premiered by the UW-EC symphony band conducted by Donald S. George on March 27, 1977 in the Gartner Concert Hall, UW-EC.

Nine Suggestive Sketches for Piano, Opus 62
Funding: None, other than personal
Status: Complete

The Nine Suggestive Sketches is dedicated to my mother, pianist Karen Hennings Lunde. Each short movement is based on a Twelve-Tone row and utilizes a different effect of creating a sound on the piano.

Embellishments for Trumpet and Tube, Opus 60, #1
Funding: None, other than personal
Status: Complete

This composition is the first of two related works entitled Embellishments. The instruments used in this work are piccolo trumpet in Bb and Tuba. The composition is divided into two parts, one slow, the other fast. A major portion of the content is based on a Twelve-Tone row.

Embellishments for Six Trumpets, Opus 60, #2
Funding: None, other than personal
Status: Complete

This composition is the second of two related works entitled Embellishments. The instruments used in this composition are piccolo trumpet in Bb and five trumpets in Bb. The work is divided into two parts, one slow, the other fast. Each part is twice the length of the similar parts in opus 60, #1. The entire composition is based on a Twelve-Tone row.

Sonata #5 for Piano, Opus 59
Funding: None, other than personal
Status: Complete

The Sonata #5 for Piano is a three-movement composition dedicated to the famous Norwegian pianist Kjell Beekeland. All movements contain melodic material based on a twelve-tone row.

Lunde, Manette

Harpsichord Recital
Funding: None, other than personal
Status: Complete

The recital consisted of the following works: The King's Hunt by John Bull (1562-1628), Pieces de Clavecin by Jacques Duphly (1715-1789), Sonata No. 5 by Bennedetto Marcello (1686-1740), and Parta in d minor (keyboard version by Nanette G. Lunde of the Parta in d minor for unaccompanied violin) by J.S. Bach (1685-1750).

Phillips, Jean L.

Faculty Voice Recital
Funding: None, other than personal
Status: Complete

The preparation and presentation of a recital given May 2, 1976. The accompanist was former faculty pianist Michael Guillotman.

Proctor, Anne Supervised Student: Scott Knight

Junior Voice Recital
Funding: None, other than personal
Status: Complete

The student sang approximately thirty minutes or half of the total program. The purpose of the recital was to give the student an opportunity to perform, thus an opportunity for growth and experience in the performing area.
1. Research and investigation

Johnson, Jack E. Collaborator: Ron Schlattman
A Study to Determine Report Writing Trends in 500 of the
Major Companies of the Country

Funding: None, other than personal
Status: In progress

Mitchell, William
Analysis of Secretaries' Time Away from Desk

Funding: Other
Status: In progress

Schlattman, Ronald Collaborator: Jack Johnson
Methods and Procedures Used for Intra-Office Business
Report Writing (involves 500 of the largest organizations
in the U.S.)

Funding: Departmental
Status: In progress

3. Major Student Research

Missling, Loraine Collaborator: Delta Pi Epsilon
A Collection of Communications Used in Business Today

Funding: None, other than personal
Status: Complete

All types of documents used in communicating were col-
clected from businesses throughout the country. The ma-
terials were categorized according to banking, education,
employment, government, insurance, legal, medical, sales,
and real estate. The documents were then counted in stan-
dard words so they could be used for shorthand dictation.
The book can be used for many activities in Business Edu-
cation classes.

6. Program with Federal or Foundation Support

Omatruch, George E.
IPA Productivity Study: Mechanized Work Order Reporting
System for Employees and Equipment of Municipal Operat-
ing Departments

Funding: Federal
Status: In progress

PHILOSOPHY & RELIGIOUS STUDIES
Chairman: Phillip Griffin

1. Research and investigation

Gertner, Willis S. Collaborator: Wisconsin Council
of Churches, Mad.

Funding: Departmental
Supervised Student: Richard
Callender
Status: Complete

The project attempted to assess attitudes among Wiscon-
sin clergy persons and school administrators regarding
the academic study of religion in the public schools.
The study discovered that clergy are far more positive
than school administrators about such study. Both
groups believe it is important academically and that it
should be done. Also, both groups were clear about the
avoidance of schools furthering the practice of religion.
But neither group seemed aware of the recent Supreme
Court rulings that encourage such academic study of re-
ligion.
Gross, Rita M. Collaborator: Nancy A. Falk
Women and Religion in Cross-Cultural Perspective
Funding: None, other than personal
Status: Complete

Kurth, Stephen J.
Cardiac Rehabilitation Program
Funding: Other (participants)
Status:

The University of Wisconsin-Eau Claire Department of Physical Education maintains an ongoing cardiac rehabilitation program for area residents who have known or suspected coronary disease. The program provides a community service and a unique educational experience for students and faculty. The program has developed through the cooperation and continued service of the community, area medical doctors, nurses and hospital staff, and University faculty and students. It has been supported by participant fees, private donations and volunteer help.

Scott, Robert
Instructional Loop Films on the Sport of Curling
Funding: Departmental
Status: In progress

PHYSICS
Chairman: Frederick Schultz

1. Research and Investigation
Elliott, Robert C. Collaborator: Gabriel Kojol
Supervised Student: Stephen Albrecht
Astrometric Positions of Merkarian Galaxies
Funding: Departmental
Status: In progress

Smathills, William
Fundamental Data of Dwarf M Stars
Funding: None, other than personal
Status: In progress

Collaborator: Robert Elliott
Supervised Student: Randy Olson
UBV Photoelectric (Astronomical) Photometer: Building and Testing Phase
Funding: Departmental
Status: In progress

POLITICAL SCIENCE
Chairman: Robert Gibbso

4. Dissertation Research
Sipress, Horton
A Study of the Degree of Success which the President has in Getting his Legislative Proposals through Congress; 1954-1972
Funding: None, other than personal
Status: In progress

PSYCHOLOGY
Chairman: Elmar Sundby

1. Research and Investigation
Beaumgardner, Steve
Critical Studies in the History of Social Psychology
Funding: Status: Complete

The Limits of Rationality
Funding: None, other than personal
Status:

Vocational Planning: The Great Swindle
Funding: None, other than personal
Status:

Work: A Developmental Perspective
Funding: None, other than personal
Status: In progress

Cred, Thomas
Supervised Student: Shari Ellis
Abrupt vs. Gradual Transformation in the Development of Behavioral Contrast
Funding: Departmental
Status:
CREED, Thomas L. Contingency Management In the Eighth Grade Mathematics Classroom
Funding: Status: Complete

Fuhrer, Richard A Comparison of Hypnosis and Biofeedback
Funding: Status: Complete

Harzem, Peter Learning by Imitation in Severely Retarded Children and Adults
Funding: University Research Grant, Foundation & Other Status: in progress

INVESTIGATION OF THE FACTORS WHICH AFFECT ACQUISITION AND MAINTENANCE OF IMITATIVE BEHAVIORS: In particular, (1) WHAT ASPECTS OF A SITUATION INITIATE IMITATION; (2) WHAT KINDS OF STIMULI REINFORCE IMITATIVE BEHAVIOR; AND (3) UNDER WHAT CONDITIONS CAN IMITATIVE ACQUIRED BEHAVIOR BE MAINTAINED IN THE ABSENCE OF THE MODEL?

Smoot, Kenneth Visual Threshold for Curvature
Funding: None, other than personal Status: in progress

Tomlinson, Robert S. The Effects of Internal-External Locus of Control as Measured by the I-E Scale Upon Information Processing
Funding: None, other than personal Status: Complete

IN AN EFFORT TO IDENTIFY INTERNAL-EXTERNAL LOCUS OF CONTROL, A RECENTLY DEVELOPED SCALE COMPOSED OF BIODATA ITEMS WAS USED. UNDER A VISUAL INFORMATION PROCESSING CONDITION, "INTERNAI" PROCESSED INFORMATION SIGNIFICANTLY FASTER THAN DID "EXTERNALS". THE INTERACTION BETWEEN I-E AND FIELD INDEPENDENCE-DEPENDENCE DID NOT IMPROVE PREDICTION OF INFORMATION PROCESSING EFFICIENCY.

3. Major Student Research
Baumgardner, Steve Supervised Student: David Vandichten Psychology of Work: Where has all the Meaning Gone?
Funding: Status: Complete

Supervised Student: Scott Spoolman
Clinical Therapies as Social Movements
Funding: Status: in progress

Fuhrer, Dick Supervised Student: Joyce Arndt
Hypnotic Phenomena: An Investigation of Their Validity
Funding: None, other than personal Status: in progress

Harper, Jerry Supervised Student: James Stoycheff
Role Changes in School Psychologists' Duties since the Advent of Chapter 89
Funding: Other Status: in progress

FUNDING: $150,000

STUDENT HAS REVIEWED 10 YEARS OF SCHOOL PSYCHOLOGISTS' ANNUAL REPORTS IN THE STATE OF WISCONSIN. HE WILL DETERMINE IF THERE ARE SIGNIFICANT CHANGES IN SCHOOL PSYCHOLOGISTS' ROLES PRI AND POST CHAPTER 89 LEGISLATURE

REACE, William Supervised Student: Mary Browning
Pupils Perception of School Psychological Services
Funding: Other Status: in progress

Supervised Student: Kimberly Morgan
Comparative Analysis of Danish and American Adolescence
Funding: Other Status: in progress

4. Dissertation Research
Lopes, Linda Carol The Relationship Between Selected Cognitive Styles and Cooperation In a Prisoner Dilemma Situation
Funding: None, other than personal Status: Complete

Owens, Anthony The Effects of Question Generation, Question Answering, and Reading on prose Learning
Funding: None, other than personal Status: Complete

THREE GROUPS OF COLLEGE STUDENTS READ A PASSAGE THEN EITHER GENERATED QUESTIONS, ANSWERED QUESTIONS, OR READ THE PASSAGE FOR A LIMITED TIME AND REPORTED THE TIME THEY HAD ATTENDED TO TASK. IMMEDIATE AND DELAYED POST-TESTS SHOWED NO SIGNIFICANT DIFFERENCE BETWEEN TREATMENTS. HOWEVER, SINCE THE QUESTION GENERATING GROUP REPORTED MOST TIME ATTENDING TO TASK EVEN THOUGH THEIR QUESTIONS COVERED LIMITED PARTS OF THE PASSAGE, THE RESULTS HAVE TENTATIVE IMPLICATIONS FOR STUDY METHODS.

7. Innovative Pedagogical Project
Smoot, Kenneth Behavior Modification In a Trade School Child
Funding: None, other than personal Status: Complete

SPECIFIC UNDESIRABLE BEHAVIOR SUCH AS PROcrastination ON SCHOOL WORK AND CHORES AND AGGRESSIVE BEHAVIOR WERE SUCCESSFULLY MODIFIED. PROJECT WAS A FIELD APPLICATION OF OPERANT CONDITION PRINCIPLES.

SECONDARY & CONTINUING EDUCATION
Chairman: Charles Larson

7. Innovative Pedagogical Project
Anderson, Roger Collaborators: Charles Larson Don Schmelzle
Funding: Other (personal) Status: Complete

THE PROJECT IS A SERIES OF 4 FILM STRIPS, AUDIO TAPE OR DEVICES THAT WERE DESIGNED TO IMPROVE SUPERVISION PRACTICES OF TEACHER SUPERVISORS. COMPETENCY DEVELOPMENT IN THE THREE AREAS OF ORIENTATION, INSTRUCTION, AND SUPERVISION ARE DESCRIBED.

Blrr, Donald IGE (Individually Guided Education) In the Secondary Schools
Funding: Other (VIP) Status: Complete

This three-week clinical workshop is designed to help ADMINISTRATORS and TEACHERS ORGANIZE and IMPLEMENT INDIVIDUALLY GUIDED EDUCATION IN THE SECONDARY SCHOOLS.
1. STUDY IGE CONCEPTS, PARTICULARLY THE 35 OUTCOMES PROPOSED BY THE INSTITUTE FOR DEVELOPMENT OF EDUCATION ACTIVITIES (/D/E/A)
2. APPLY IGE CONCEPTS IN A JUNIOR AND SENIOR HIGH SCHOOL SETTING (ORGANIZE AND TEACH IN AN IGE SCHOOL).
3. ANALYZE AND EVALUATE EXPERIENCES WITH IGE FOR POSSIBLE "BACK HOME" APPLICATION.

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1. Research and Investigation

Davidson, J. Kenneth, Sr. Collaborator: Linde Hoffman
Sexual Fantasies and their Association with Marital and Sexual adjustment
Funding: Departmental
Status: In progress

Carr, George
Status: Clarifying Fundling:
None, other than personal
Status: In progress

Sociology
Chairman: J. Kenneth Davidson, Sr.

1. Research and Investigation

Davidson, J. Kenneth, Sr. Collaborator: Linde Hoffman
Sexual Fantasies and their Association with Marital and Sexual adjustment
Funding: Departmental
Status: In progress

Flora, George
Clarifying the Phenomena of Volunteers and Volunteerism through a Role Analysis
Funding: None, other than personal
Status: In progress

This is a project that uses as background my own experience as a volunteer and as a participant in voluntary action: four years as a regular visitor in the Evanston Jail, eight years as the editor of the Wisconsin Sociologist, and several years as a 'hobby farmer'. Papers completed include: "The 'Vocation' of the Volunteer in a 'De-Ethnicized' Society' (presented in the Colloquium on Max Weber at the U-W, Milwaukee on January 27, 1977); and "An Ethnic for Volunteerism' prepared for presentation on April 16, 1977 at the MSS meetings in Minneapolis, Minnesota". An article is in preparation entitled "Volunteerism and Non-Authoritarianism". The two will be connected through a workshop of volunteers and volunteer programs. (This third paper is being prepared for a meeting of Quaker Sociologists at the 1977 meeting of ASA in Chicago, Illinois.)

4. Dissertation Research

Minkus, Helene
Analysis of Akwesin Akan Philosophy
Funding: None, other than personal
Status: In progress

4. Dissertation Research

Herlich, Joseph
The Constraints of Alternate Life Choices on Females and Males in Pursuing Professional Careers.
Funding: None, other than personal
Status: In progress

5. Innovative Pedagogical Project

Flora, George
A Study of the Craft Dimension of Academic Sociology
Funding: None, other than personal
Status: Complete

This has been a typological study that constructs four interrelated types of sociology (scientific sociology, theoretical sociology, descriptive sociology, and typological sociology), each with its own discipline or craft. The study began as a response to the model of sciencesociology' in Walter L. Wallace's Sociological Theory: An Introduction (1969). A paper written in the project ('Scholarship as the Craft Dimension of Academic Sociology') was read on December 4, 1976 at the VSA meetings in Whitewater, Wisconsin.

6. Program with Federal or Foundation Support

Peterson, Wayne
Zero to Three Guidelines Development
Funding: Other
Status: Complete

Contracted with U.W. Extension Department of Continuing Education in Mental Health, Health Sciences Unit and the Division of Mental Hygiene, Bureau of Developmental Disabilities for supervision, direction, and editing of a preliminary draft of Guidelines. The Guidelines are designed for Unified Service Boards and staff in Wisconsin, and direct information about planning services for the zero to three-aged developmental disability youngster. Contract includes organization of preliminary statements, review by invited persons (50) in a two-day workshop, rewriting prior to submission for Division of Mental Hygiene approval. Time period: Various dates, May 76 through December 76.

Speech
Chairman: Fred Whitely

1. Research and Investigation

Quayle, Calvin
Genealogy of James Quayle, Isle of Man 1650-1913
Funding: None, other than personal
Status: In progress

Ridge, Alice
Collaborator: Fred Whitely
Supervised Students: Mark Schmidt

Famous Metaphorical Failures: An Anthology
Funding: None, other than personal
Status: In progress

Whitely, Fred
Collaborator: Alice Ridge
Supervised Students: Mark Schmidt

Funding: None, other than personal
Status: In progress

2. Artistic Production, Showing or Recital

Denson, Will
Aladdin McFadden - A Children's Play
Funding: None, other than personal
Status: Complete

Aladdin McFadden is a modern, up-dated 'hip' version of the Aladdin legend. Using a Dr. Seuss-ish approach, the play is aimed at children from four to twelve.
Wolfert, Wayne

Funding: Other  
Status: Complete

Dr. Wolfert designed scenery and lighting, supervised construction, painting and setting for a 10 performance run of each of the following theatrical productions:

- *Kismet*
- *Small War on Murray Hill*
- *South Pacific*
- *The Crucible*

Also, directed students and townspeople in the dramatic productions of:

- *Small War on Murray Hill*
- *Of Thee I Sing*

4. Dissertation Research

McDonnel, William  Collaborators: Several members of the Music and Art Depts.

Funding: None other than personal  
Status: In progress

5. Institutional Study

Ridge, John W.  Collaborator: B. J. Kyzer-Shealey

1. Follow-through study of Fall 1970-71 New Freshman
2. Impact of High School Class Size Analysis  
Fall 1969-70 New Freshmen

Funding: Departmental  
Status: In progress

Cameron, Richard  Collaborators: Committee on Minimum Standards, UW-System Archives Council.  
Statement on Core Mission and Minimum Standards for University Archives in the University of Wisconsin System.

Funding: None, other than personal  
Status: In progress

**NON-DEPARTMENTAL**

1. Research and Investigation

Engelberger, Eugene  Collaborator: Carol Fairbanks  
Black Fiction: A bibliography (To be published by Scarecrow Press, Fall, 1977)

Funding: None, other than personal  
Status: In progress

Paul, Jane L.  
"A Study of Leadership Behaviors of Presidents of Effective Task-Oriented and Socially-Oriented Recognized Student Organizations, UW-EC, Fall 1976"

Funding: Departmental  
Status: In progress

2. Artistic Production, Showing, or Recital

Bauer, Lawrence J.  Collaborators: Black Student Assn.  
Univ. Activities Comm.  
Harlem Opera Society "Solomon and Sheba" Jazz Opera (Improvisational)

Funding: National Endowment for the Arts, Wisconsin Arts Board  
Status: Complete

Bera, Ada L.  Collaborators: Rupert Mohamann  
Dominic Spera  
Johannes Dahle

Viennese Ball - A University-Community Project designed primarily for public relations plus the acquisition of monies for scholarships for the Music Department.

Funding: Other  
Status: In Progress

4. Dissertation Research

Ryser-Shealey, B. J.  
Knowledge Utilization Activities in Schools, Colleges, and Departments of Education

Funding: None, other than personal  
Status: In progress

5. Institutional Study

Ridge, John W.  Collaborator: B. J. Kyzer-Shealey

1. Follow-through study of Fall 1970-71 New Freshman
2. Impact of High School Class Size Analysis  
Fall 1969-70 New Freshmen

Funding: Departmental  
Status: In progress
ACCOUNTANCY
Chairman: Lawrence Dettilo


The article illustrates a format for presenting the tax advantages and disadvantages of incorporation to owners of a business. The format involves a tabulation customized for a particular firm. It enables the owner to determine at a glance the tax consequences for several combinations of the interacting variables: income of the business and withdrawals by the proprietor.

BIOLOGY
Chairman: Marcus Fay


Putnam Park Trail Guide is a booklet providing information concerning some of the plants of Putnam Park. Plants chosen for inclusion are some of the more spectacular species occurring along Putnam Drive and near the trail which has been constructed through the western portion of the park. The booklet is designed to aid the visitor in understanding the history and uses of the area, and to increase the appreciation of Putnam Park as a valuable instructional asset for the University and as a beautiful recreational asset for the entire community. Forty-two colored photographs of plants are included.


The incidence of Alloglossidium renale in Palaeonastes kadakensis in Louisiana was studied for 16 months. Alloglossidium renale has an annual cycle of infection in its freshwater shrimp host. New infections first appear in autumn and are found in the maximum number of shrimp in spring. The annual cycle of A. renale is closely adapted to the life cycle of P. kadakensis.


Recessive lethal mutations were induced in the giant-white region of the X chromosome inserted into the Y chromosome by feeding 25 mM EMS in 1% sucrose for both 12 and 24 hours. The 12-hour feeding resulted in a frequency of 1% (36/3635) recessive lethals in the transcription region. Complementation tests showed that all but one were single-site mutations. One was a double mutant having two lesions in non-adjacent loci. A lethal frequency of 2.4% (76/3154) was obtained from the 24 hour feeding. Five of these lethals were deletions, three were double mutants and the remaining 68 stocks were single-site mutations. Four of the five deletions were deficient for the entire transposed giant-white region, both breaks having occurred in the Y chromosome. The fifth deletion had one break within 25 units and one 3 and the second break in the Y chromosome. Each of the three double mutants had lesions in two non-adjacent loci. L1M and SNYDER (Genet, Rs, 24: 1-10, 1974) found a frequency of 0.9% recessive lethal point mutations in the giant-white region in the X chromosome after feeding with 25 mM EMS. The present data indicate a more a 2.5-fold increase in the frequency of such lethals after comparable treatment of the giant-white region of the X transposed into the Y chromosome. The break-points associated with the deletions are consistent with the hypothesis of Lim and Snyder that deletions in the euchromatic regions of the Drosophila genome are produced in very low frequency by monofunctional alkylating agents. (Supported by the U.S.-EC Research Grant 102-156)

Witrock, Daniel R., "Structure of cirrus tegument of Quinqueacria-

The cirrus of Quinqueacria quinquevaria is formed by a modulated tegument consisting of numerous spinelike protuberances. Thick layers of circular and longitudinal muscle underlie the tegument. Histochemical tests indicate that glycoproteins form the major component of the cirrus tegument.

CHEMISTRY
Chairman: Floyd Krause


The products of the acid-catalyzed rearrangement of m-chloro-H-Nitro-M-Methylamylene were determined by Isotope dilution analysis to be 13% 3-chloro-H-Methylamylene, 10% 3-chloro-2- nitro-M-Methylamylene, 30% 3-chloro-H-N-Methylamylene, and 32% 3-chloro-6-N-Methylnylene. Comparison of the experimental results with calculated values based on estimated steric effects on an incoming nitro group, support a mechanism for the reaction in which the nitro group is weakly bound, if at all, to the amine moiety so that subsequent attachment is essentially random. These results cannot be accomodated by a mechanism, such as the 'cart wheel' mechanism, in which the nitro group is firmly attached, first to an ortho position and then to a para position.


Phenylalanyl-tRNA synthetase (L-phenylalanine: tRNA ligase (AMP), EC 6.1.1.1) from the ribosomal and the postribosomal call supernatant fractions of rabbit reticulocytes were purified separately and characterized. Phenylalanyl-tRNA synthetase from the ribosomal supernatant fraction was purified 114-fold to a final specific activity of 1603 units/mg and is approximately 90% pure. Phenylalanyl-tRNA synthetase from the postribosomal supernatant fraction was purified 1186-fold to a final specific activity of 257 units/mg. The enzymes from the two fractions appear to be identical based on their elution from various chromatographic media, sedimentation coefficient, pH, Mg2+ and K+optima, and heat stability. Phenylalanyl-tRNA synthetase from rabbit reticulocytes has a molecular weight of approximately 245,000 with an A8, subunit structure, the molecular weights of the subunits being 57,000 and 67,200.


The four possible calibration curve shapes for spectrometric measurements are discussed with respect to their effect on the definition of the detection limit. The theoretical and practical detection limit definitions are presented. The definition of the detection limit must be carefully used for cases in which calibration curves level off at low concentrations. It is suggested that the blank signal should be taken as the extrapolated value and not the measurement value for a blank solution. Use of the extrapolated blank signal will ensure that the detection limit reflects not only the precision and noise characteristics of the measurement system but the sample handling and blank problems. If the calibration curve is linear with a zero intercept, then the theoretical and practical detection limits are equivalent. However, as analytical techniques such as luminescence spectrophotometry and nonluminescence spectrometry are pushed to allow measurement of extremely small concentrations, this may not always be the case.

Infrared and nuclear magnetic spectra are provided. Assignments of chemical shift of proton NMR are made by substitution variation. NMR spectra numbers include Solid State listings: 24197M-24207M, 24527M-24630M and 2576SM-2579SM.


Copper (II) complexes of cyclic and open-chain polyethers and polyethers have been found to exhibit an intense absorption band near 600 nm. These represent the first known low molecular weight complexes which mimic the blue copper proteins. Supporting structural data (x-ray), single crystal spectra and reversible redox properties contradict the prevailing hypothesis that cytochrome c has an intense coordination is involved in the natural protein. Moreover, the data lead to the conclusion that distorted inner-sphere geometry is not required to generate the protein spectra. Distortion is absent in our model system.


The stability constants of the Cu (II) and Hg (II) complexes of a series of cyclic and open-chain polyethers are reported from spectrophotometric, potentiometric and kinetic methods. For effects, cyclic voltammetric measurements and x-ray crystallographic data are correlated to indicate the nature of the configurational effects associated with macrocyclic ligand phenomena.


The redox properties of a series of Cu (II) - polyether and polyethers complexes are reported, which exhibit redox potentials in the blue copper protein region independent of coordinate geometric constraints. The data offer the first conflicting hypothesis to counter the "Enthalpy State" theory of metaloprotein redox behavior.


Procedures and instrumentation for the evaluation of reaction rateometers are discussed and applied to an improved fixed-time reaction rateometer which employs digital integration. The improved rateometer is compared with similar systems described previously. A procedure which allows evaluation of the calculation circuitry with real noise from the reaction monitor is developed; this new procedure provides a much better evaluation of how the rateometer will perform in real reaction measurement situations. Results presented for synthetic slopes with and without artificial noise show typical relative standard deviations and relative errors of less than 0.3%. However, with a significant amount of real noise, the precision of rate measurements is reduced.

Communicative Disorders
Chairman: Theodore Peters


This article describes the clinical record-keeping system developed and used in the University of Wisconsin-Eau Claire Center for Communication Disorders. The system provides for a convenient and efficient mode of information storage and retrieval. Client folders, client identification numbers, and index cards are described and examples are given.


See abstract under Mueller, Peter B.


Experiments were performed to examine changes in the intelligibility of temporally interrupted sentences when noise was introduced during the speech - free interval. In experiment 1, listeners received the test material under two conditions at five interruption rates ranging from 0.77 to 3.85 interruptions per second (ips). In one instance the speech - free interval was silent, in the other it was switched to noise of the same average level as the speech. Experiment 2 examined the intelligibility of the speech message as a function of signal-to-noise (S/N) ratio. The switching rate was held constant at 1.5 ips and S/N ratio was varied from -30 to +18 dB. Results indicated that for the particular interruption conditions selected, speech switched to noise is significantly more intelligible than speech interrupted by silence. In addition, intelligibility of the interrupted sentences in the presence of intervening noise varies with the S/N ratio.

Economics
Chairman: Donald Ellickson


This study was concerned with a number of facets of student performance and student attitude toward the beginning course in economics. It was discovered, first of all, that students enrolling in the principles course in three different kinds of institutions demonstrated about the same level of interest as measured by TUCE. Secondly, it was discovered that there is a close interrelationship between the cognitive and attitudinal dimensions of learning. The analysis presented in this study provides a format for some potentially useful implications. For example, in a given principles course, the attitude dimension of learning deserves much more attention. Further research on the attitude dimension of learning as well as a more closely defined role for the classroom instructor is needed.

Communicative Disorders
Chairman: Theodore Peters


**ELEMENTARY EDUCATION**

Chairman: Max Poole


This book is directed primarily to unit leaders and staff teachers. It is an in-depth presentation of the unit leader's role in the IGE school and is organized into three parts. Part I presents an overview of IGE and a discussion of the strategies of planned change which are basic to the change to IGE. Part II describes roles of the unit leader which differ from those of the staff teacher. The focus for Part III is on the unit leader's role in planning, implementing, and evaluating instructional programming for the individual student.


See abstract under Joyel, Lloyd H.


See abstract under Joyel, Lloyd H.

**ENGLISH**

Chairman: Douglas Pearson


Black Theatre, with its emphasis upon the Black aesthetic, folklore, and social protest, contributes a vital force of energy to the Black community. Recognizing the importance of this vitality to life in America, editors Arata and Rotoli have produced a source book designed to assist instructors, students, and readers interested in research on Black American playwrights, and to expose the tremendous amount of Black writing.


In the April-June 1974 issue of the Bulletin of Bibliography, Professor Thomas Bonner, Jr., provides a useful bibliographical guide to "Mainstream" American Literature in the Thirties. Although his bibliography includes works by white critics about Black writers, Black writers are excluded from all literary genres. This supplementary bibliography includes Black writers who delineated aspects of the American experience in the 30's which were overlooked or ignored by white writers.


This bibliography includes material published in the 1970's relating to women in literature:

1. Literary criticism examining women characters in relation to other women, to men, to family, to work, to community, to the times and cultures in which they live.

2. Literary criticism examining women characters as myth and symbol.

3. Essays appraising feminist criticism as an approach to literature.

4. Biographical and critical studies of women writers.

5. Interviews with women writers.

6. Selected reviews of the works of women writers.

The coverage of the bibliography for selected books and periodicals dates from January 1970 through Spring 1975. The "General Bibliography" includes works which are comprehensive in nature, providing insights into the literature of a particular period or genre, or providing historical, sociological, psychological and philosophical backgrounds for the study of women in literature.

**FOREIGN LANGUAGE**

Chairman: Vernon Gingerich


This article describes Guatemala as seen in a visit six months after the earthquake and contrasts cities, sites, and people as observed in January and August 1976 visits. Earthquake "historias," narrated by an old man, a middle-aged man, and his 10-year-old daughter are retold. The latter story, which recounts a dream, points up the element of superstition in the people's lives.


This article describes two poetry reading competitions similar to those held in medieval Spain which were prepared and presented by Sigma Delta Pi and The Survey of Spanish Literature class members at UW-EC in 1975-1976. The feasibility of presenting a Juegos Florales program at the high school level is discussed, as well as the pedagogical values of such a program.

**FOUNDATIONS OF EDUCATION**

Chairman: Elmer Winters


A description of characteristics which may aid a student who intends to benefit from a foreign study experience is presented.


A short history of educational development in the U.S., with emphasis on Wisconsin. The article describes early educational practices and legislation.

A workbook designed to supplement an audio-tutorial semester course which deals with the earth's atmosphere, weather, climate, and associated world soils and natural vegetation.


A field guide with maps, photos, and text describing the Apostle islands and Bayfield Peninsula.


GEOLGY

Chairman: J. Brady Foust


An overview of the history of oceanographic research around Puerto Rico. In the book is an extensive list of shipwrecks around the island.


The Wausau syenite-quartz syenite pluton in two segments and the more alkaline Stetin syenite pluton are exposed east of the Wisconsin River near Wausau in central Wisconsin. The Middle Precambrian (1500 ± 50 m.y.) plutons are concentrically zoned and show a distinct north-northeastern elongation. Each pluton has a contact metamorphic zone of felsic and wall rocks, an alkaline, laminitic, xenolith-rich wall zone, an intermediate zone, and a core. Silica content increases inward in each pluton.


Geological mapping of over 1500 square miles in Marathon County, Wisconsin, has revealed an extensive complex of volcanic and post-cenetic intrusive rocks. The volcanic rocks, as pendants and xenoliths, are surrounded by granitic intrusions showing an inward decrease in the volume of contaminant material. The volcanic "pendants" generally decrease in size and relative abundance westward across Marathon County, thus suggesting exposure of the eastern portion of a convex batholith roof with its apex extending approximately along the west edge of the county. The batholith comprises at least twenty separate stock-like plutons, each of which has its own contaminated margin. Mafic quartz diorites and quartz monzonites grade inward to a more granitic core. The younger plutons are more felsic. Granitic and aegirine-plagioclase rocks containing scattered xenocrystic ruff pellets. We suggest that this plutonic complex be called the "Central Wisconsin Batholith."


Tony Grove and White Pine basins, two large cirques in the Bear River Range of northern Utah, have large karse landforms developed in the folded Paleozoic dolomites that form the basin floor. Precipitation, largely in the form of snow, averages 50-60 inches per year. The drainage is primarily subterranean and probable successors are three springs south of the basins in Logan Canyon. The spring waters are undersaturated with respect to calcite and dolomite except during winter when reduced flow conditions may exist. Degree of saturation is closely related to residence time of the water in the rock. The rate of surface lowering in the basins is estimated as 53 m/1000 years on the basis of geological data and 46 m/1000 years on the basis of perched blocks. Surface solution features tend to be concentrated in the sector from 95° to 90° east with respect to the nearest ridge. This is the zone most favorable for karstification. Scouring by glacial action has produced dolomite pavement broken by scarpes formed along stream-rich beds. Caves within the basins are small joint-controlled features and are generally restricted to areas peripheral to the path of glacial advance. The anomalous position of the caves relative to present topography, solution breccia, and the occurrence of fluvial-glacial material in the karst features all suggest that primary karstification occurred prior to Bull Lake Glaciation. It is likely that there were several periods of karstification, each followed by a glaciation.

HISTORY

Chairman: Howard Lutz


BLACKBOY, Edward C., "Wisconsin Area had Role in 1776 Events," *Our Story 1776-1976, Eau Claire Leader Telegram*, p. 34.


Popularized account of English background of American revolutionary principles.

JOURNALISM

Chairman: Edward R. Kornment


The article reviews the development of broadcasting from pre-Marconi times to 1923 when there was a lengthy pause to consider the work of the late Clyde S. Van Gorden and his station WTMQ at Osseo, Wis. Parts of the account of Van Gorden's work in Osseo and later at Eau Claire (where he moved the Osseo station he had left the Gillette Rubber Co. are drawn from an article by James I. Clark in the Winter, 1957-58 issue of the Wisconsin Magazine of History. Also consulted heavily are the Eau Claire Leader and survivor participants in those times. Much of the remainder of the article traces the development of WTMQ from the community in 1935, the arrival on the air of WEAU, the origins of other radio stations, and the advent of WEAU-TV on Dec. 23, 1951. Also covered is the story of the Eau Claire cable system. The article offers a foreword of broadcasting of the future including point-to-point satellite TV, a wired world and computer display via TV. Despite new technology, the article concludes by asking the old question: "Now that we can communicate anywhere, instantly, what shall we say?"
This was a critical review and annotated abstract of an article describing a research report in the area of problem solving. Part of Dr. Sparks critique is as follows:

Any interpretations drawn from the reaction time data must be very limited. With only three items per trial, if even one was missed the reaction time variance is very unstable. This, coupled with the small sample sizes, makes it unwise to generalize in this part of the study. The effect of placement of the unknown is a highly significant effect in this study and does seem to be consistently significant in several recent studies. The postulated processing models certainly deserve more attention. The authors made no attempt to apply their findings, but it is certainly hoped that research such as this can soon be used in construction of curricular materials and development of instructional strategies for the classroom. It is important to know whether the form of the question rather than lack of knowledge is causing errors.

**MUSIC**
Chairman: Milton R. Schirle


Fantasy, Sereade, and Fugue, a three movement composition, is written for flute, guitar, and bassoon. It incorporates traditional formal structures and neo-classical stylistic elements. The duration is eleven minutes.

**Bruner, Edward**, Notes, Choral Music Publisher.

This is a set of motets for voices and continuo published by Choral Music Publishers and edited by Mr. Bruner.

**Cunningham, Michael G.**, Piano Trio No. 1, Bloomington, Indiana: Etoile Quality Music, Fall 1976.

This trio is written for soprano and alto saxophones and piano.


Transcription of a Christian Bach Piano Sonate for four saxophones.


Thirty-three scores previously published by Composers Autograph Publications of Hamilton, Ohio, were transferred to a larger publisher in New York City: Seesaw Music Corporation.


**Nuances** was the winning composition in the 1975 Kendor Music/University of Maryland Clarinet Choir Composition Contest. The work has five movements: "Awakening," "Memory from My Youth," "Figures and Triangles," "Love Song," and "Joy." The **Instrumentalist** (March 1977) lists the composition as one of particular compositional interest. **Nuances** utilizes a twelve-tone row for movements 1 and 3. The melodic material for the second movement is based on a Norwegian song, the third movement utilizes arpeggiated thirds, and the last movement contains tonal melodies in a bitonal setting.


In this article the writer discusses the procedures for selecting performance groups for College Night at the Wisconsin State Music Convention. The article is a result of the procedure agreed upon by the members of WUCMA (Association of Wisconsin College and University Music Administrators.)

In this article the writer discusses problems and approaches for teaching the value of Music Education. The focus of the article is on the various aspects of Music as related to the cognitive, psychomotor and affective behaviors which should result from a K-12 Music experience.


In this article, "Personal Characteristics in Letters of Reference by the Cooperating Teacher," the writer discusses personal characteristics expected by employers. Twenty-three items are listed in rank order. The article is related to a study, "School Administrators Evaluate the Letter of Reference and Selected Recruitment Practices." An unpublished survey, School of Education, University of Wisconsin-Eau Claire, by Dr. Ronald Mortalon. A relationship of personal characteristics is drawn between the student for elementary teacher candidates and music education candidates.


In this article, "Placement File Contents for Those Seeking Their First Teaching Position," the writer discusses the importance of the professional semester and the cooperating teacher's recommendation as a primary portion of the credential. The article is related to a study, "School Administrators Evaluate the Letter of Reference and Selected Recruitment Practices." An unpublished survey, School of Education, University of Wisconsin-Eau Claire, by Dr. Ronald Mortalon. A relationship is drawn between this study for elementary teacher candidates and music education candidates.


This report explains the value of the formation of state music therapy chapters. Using the Wisconsin chapter as one of the examples, music therapists in other states are encouraged to form organizations.


In this issue's column, some thoughts on licensure of music therapists and the name of the profession are included. There is also brief mention of progress being made toward formation of state music therapy chapters.

NURSING

Dean: Marguerite Coffman


Postpartal maternal behavior is described as very meaningful and reflective of the subjective experience of early motherhood. Consideration of a variety of dimensions of the early postpartum suggests that this particular phase of the maternity experience is disorienting for new mothers and that they are extremely busy working their way out of bewilderment and confusion toward meaning. In acknowledging the new mother's efforts to rearticulate disrupted dimensions of her life, nurses can renew exploration for meaningful nursing care.


This was a chapter in the section on "General Nursing Care of Patients" with a focus on the care of the patient with metastatic cancer. It reviewed the process of metastasis and methods of treatment in the primary emphasis was on the problems encountered by persons with metastatic cancer and the associated nursing care.


General Medical-Surgical Nursing textbook prepared for students in professional nursing programs. Chapters contributed by 43 nursing experts.

OFFICE ADMIN. & BUSINESS EDUC.

Chairman: William Mitchell


The objective of this study was to determine if beginning shorthand could be identified as a course that could be taken for the development and improvement of language arts skills. The language arts skills associated with this study were: capitalization, punctuation, reading, comprehension, spelling, vocabulary, and word usage.

The California Achievement Test for Language Arts was administered to 11th grade senior high school students from 11 Minnesota schools. The experimental group consisted of 121 senior high school students, and the control group consisted of 111 students. The test was administered in September, 1974; the posttest was administered in March, 1975. Analysis of variance was used to compare the language arts achievement of the two groups when grade point average and attendance were used as covariates. In addition, students were ranked according to upper, middle, and lower achievement levels based on their grade point averages. Two-way analysis of variance was applied to identify differences existing among the achievement levels.

The findings of this study reveal that (1) shorthand students perform significantly better than non-shorthand students in the language arts skills of punctuation, spelling, and vocabulary; (2) shorthand students do not perform significantly better than non-shorthand students in the language arts skills of capitalization, word usage, reading comprehension, nor in the combined six-part language arts test.


Program includes six instructional cassettes with a 48 page booklet for instructions and scripts to help individuals build machine transcription skills.

PHILOSOPHY & RELIGIOUS STUDIES

Chairman: Phillip Griffin

Theological arguments for the reintroduction of female god-language in Jewish and Christian religious language.

**PHYSICS**
Chairman: Frederick Schultz


Radio flux densities between 2.7 and 15.5 GHz are given for 16 Markarian galaxies. Spectra for these objects are obtained from these and previously published data. The Seyfert-type galaxies show power-law spectra with an average index of -0.82, except for MK 34, which is an active galaxy with a complex spectrum. The Markarian galaxies with featureless optical spectra have rather flat radio spectra, similar to the BL Lacertae-type objects.


Radio spectra of 16 Markarian galaxies are studied between 2.7 and 15.5 GHz. The Seyfert-type galaxies have power-law spectra with an average spectral index of 0.82, except for MK 34, which is an active galaxy with a complex spectrum. The galaxies with featureless optical spectra have rather flat radio spectra, similar to BL Lac-type objects.

**POLITICAL SCIENCE**
Chairman: Robert Gibson


The article summarized the major political trends in 20th century America. It discussed how such trends as the growth of government, government regulation of the economy, U.S. involvement in world affairs and the development of civil rights were in response to public demands, crises and 19th century precedents.

**PSYCHOLOGY**
Chairman: Elmer Sunday


The factors students consider in choosing a college major were scaled on an analytic-intuitive dimension, emphasizing a continuum of thinking orientations from logical, rational thought to a more intuitive, reflexive mode. Differences in thinking orientation were found to be associated with student's sex, area of study, and year in school. A dramatic difference between strongly analytic freshmen and more intuitive sophomores in thinking seemed to reflect a clash between the conventional wisdom of parents and counselors and the direct emotional experiences of college. Overall, the apparent lack of explicit rationality in student educational decisions appears to be adaptive, because the uncertainties surrounding career opportunities and the involvement of emotions and broad life goals in career choice may make fully rational career planning impossible and undesirable.


The ward personnel that implement a behavioral mod program on a day-to-day basis are often times not sufficiently trained nor motivated to carry out the program as designed, which causes the program to be less effective than it could be. In this article, the author has compiled a list of potential reinforcers for ward personnel.


In this brief article, the author describes how to make and use a small inexpensive portable shoccker. More detailed instructions may be obtained by writing to an address presented in the article.


Rats were trained on two-component DRL schedules. In testing, a different concentration of liquid reinforcer was used in each session. The main effects were on the interresponse times initiated by reinforced responses. A median duration of these interresponse times and the rate of reinforcement increased as function of reinforcer concentration. There was a corresponding increase in the efficiency of performance. These effects were attributed to the inhibiting after-effect of the reinforcer, rather than to an increase in the temporal accuracy of performance.

On each variable-ratio 10, 40, and 80 schedules of reinforcement, when rats' leverpressing rates were stable, the concentration of a liquid reinforcer was varied within sessions. The duration of the postreinforcement pause was an increasing function of the reinforcer concentration; this effect being more marked the higher the schedule parameter. The running rate, calculated by excluding the postreinforcement pause, was unaffected by concentration. The duration of the postreinforcement pause increased with the schedule parameter, but the proportion of the interreinforcement interval taken up by the pause decreased. Consequently, the overall response rate was an increasing function of the schedule parameter; i.e., it was inversely related to reinforcement frequency, contrary to the law of effect. The running rate, however, decreased with the response frequency, in accordance with the law of effect. When 50% of reinforcements were randomly omitted, the postreinforcement pause was shorter than the postreinforcement pause, but the running rate of responses was not affected.


In successive series of experimental sessions with two severely retarded adults, different stimuli were used to reinforce the imitation of different modeled actions. Five further actions were also modeled but the imitation of these was not reinforced. These generalized imitation responses were nevertheless imitated. Although imitation generalized to these specific responses other non-specific behaviors of the model were not imitated. The subjects' behavior showed marked changes with changes of the reinforcer even though the model's general behavior remained the same. Thus reinforcing stimuli, in addition to their known effect on the reinforced response, also affected in specific ways the general behavior of the subjects.


Twenty children learned to read single words that were presented together with (i) a picture of the object named by the word, (ii) a picture of an object unrelated to the word, (iii) 'nonsense' picture not resembling any object, and (iv) no picture of any kind. Presence of an appropriate picture resulted in significantly fewer correct responses than any other condition. The no-picture condition was the most favourable for learning to read, and it also resulted in the largest number of correct responses after a retention interval of 38 days. Learning by massed or distributed practice over time did not affect these relationships although in all conditions distributed practice resulted in more correct responses. The results indicate that whether pictures adversely affect learning to read or not depends on the relationship between the picture and the printed word, a direct equivalence being the least favourable.


In a series of experiments, the response terminating the postreinforcement pause on a fixed-interval (FI) schedule was reinforced if the pause exceeded a stated duration. This resulted in shorter postreinforcement pauses than in the comparable baseline FI schedule. Reinforcement frequencies were considerably lower than the maximum possible under these conditions. The effects were not related to (1) discriminative, (2) inhibiting, and (3) reinforcing functions of reinforcing stimuli.


The purposes of this research were to determine the predictors of juvenile delinquency, to develop a practical system for early identification of its causes, and to determine the extent to which young offenders' contacts with law enforcement agencies could be predicted over an eighteen-year period. The subjects were children in grades three, six, and nine who had been nominated by teachers as displaying aggressive-disruptive or socially approved behavior. The criterion to be predicted was contact with law enforcement agencies. While all criterion data were collected eight years after the original nomination and collection of predictor data, the actual dates of contact with law enforcement agencies varied from as little as one year to as long as eight years after the nomination. Predictive accuracies ranging from 69% to 79% were achieved using stepwise multiple discriminant function analysis.

SECONDARY EDUCATION
Chairman: Charles Larson


The purpose of this program is to provide instructional supervision with a model for the supervision of teachers, interns, student teachers, and other instructional personnel. Included are suggested procedures for the orientation, supervision, and evaluation of instructors as well as a model for the instructional process itself.


For abstract see, Anderson, Roger C.


For abstract see, Anderson, Roger C.

SOCIOLoGY
Chairman: J. Kenneth Davidson, Sr.


The paper responds to Lewis Coser's presidential address at the 1975 ASA annual meeting by indicating that what is desired in an assessment of the field of sociology is an updating of those selected themes from the 'Methodological Note' by Thomas and Znaniecki. The themes are: that sociology provides an alternative to crisis living, that connections be found between individual actors and institutions, and that sociology contribute to reflective practice.

An appeal is made for a more ecumenical approach to the theoretical foundations of contemporary sociology. George Ripper's Sociology: A Multiple Paradigm Science (1975) is used as a major source of clarity, and the paradigms are related to: personal relations, structured action in those relations, the institutional structures of the society, the learning and reconditioning of human actors— as individuals and groups undergo a process of becoming at a time of high levels of uncertainty. For 'chronic states of serious disorder,' a humanities-science alliance is proposed.
SPEECH
Chairman: Fred Whted


Summary of the theatre history in Eau Claire from 1873-1939.

SPECIAL EDUCATION
Chairman: E. Milo Pritchett


The one page article defined developmental disabilities and presented factual information about the impact of the disabilities by sub groups.

Peterson, Dwayne, "Role of Parents in Sex Education," 29 Minute Videotape Interview with Dr. Sol Gordon, Syracuse University, May 8, 1976, Regional Developmental Disabilities Information Center, Madison, WI and Marathon County Family Planning Clinic, Wausau, WI.

Video tape presents the parent's role in sex education and includes specific information for parents of children who are developmentally disabled, particularly mentally retarded.

NON-DEPARTMENTAL

LIBRARY


This index is a continuation of the one compiled for volume one through eight which appeared in Wisconsin Sociologist, Vol. 8, Fall-Winter 1971. The purpose is to provide the user with ready access to the information appearing in the journal.

UNIVERSITY RELATIONS


The University of Wisconsin-Eau Claire: A History 1916-1976, is an account of the growth and development of an institution which began as a small normal school and grew into a multi-purpose undergraduate and graduate university.

The University of Wisconsin-Eau Claire was founded in 1916 as the Eau Claire State Normal School, housed in a single building constructed on 12 acres of land donated by the city of Eau Claire to the state. In 1927 it became the Eau Claire State Teachers College. Although the education of teachers was the major reason for the establishment of the institution, from the beginning it was permitted to offer two years of general education or two years of pre-professional study to persons not expecting to teach. Authority to grant the bachelor of education degree for four years of study was granted in 1927, and the bachelor of science in elementary or secondary education in 1937.

In 1951, the four year liberal arts curriculum leading to the B.A. or B.S. degree was instituted, and the name of the institution became Wisconsin State College at Eau Claire. The board of regents in 1964 renamed the state colleges and Eau Claire became Wisconsin State University-Eau Claire. With the merger of the two state-supported systems of university education in 1971, the institution became the University of Wisconsin-Eau Claire.

Campus expansion at Eau Claire began in 1952. The institution of today consists of 26 major buildings located on a 310-acre campus. The student body numbers over 9,900, and faculty and staff total over 850.