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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ALLIED HEALTH
Dr. John B. Gerberich, Chairman

1. Research and Investigation
Gerberich, John B.
Updating "An Annotated Bibliography of Papers Relating To the Control of Mosquitoes by the Use of Fish"
Funding: None, other than personal
Status: In Progress

2. Current Projects, Programs, and Research 1977, 8

3. Major Student Research
Klun, Carol L.
Supervised Student: Daniel Kosaros
A Slide-Tape Presentation of the r/b and API Rapid Identification Systems for the Bacteria in the Family Enterobacteriaceae
Funding: Departmental
Status: Complete

Supervised Student: Yow-Chin Tsai
Handwashing Policy in the Clinical Laboratory
Funding: Departmental/Federal
Status: Complete

Supervised Student: Agnes Yen
Quality Control in Clinical Laboratory
Funding: None, other than personal
Status: Complete

Supervised Student: Dennis Lamb
A Comparison of Duties and Synthesis of a Typical Job Description for Supervisory Personnel in the Hospital Laboratory
Funding: Departmental
Status: Complete

Supervised Student: Thomas Olson
Education for Educators in Medical Technology
Funding: Other
Status: Complete

7. Innovative Pedagogical Project
Decker, Gene P.
Collaborators: Donna Johnson, BSMT
Ed Lestraoff
Workshop for Medical Technologists (1 day)
Title: Basic Techniques of Laboratory Manual Construction.
Funding: Other
Status: Complete

Member of Board of Registry of the American Society of Clinical Pathologists.
Funding: Other
Status: In Progress

ART
Charles Campbell, Chairman

1. Research and Investigation

Benson, William
Creative communications involving citizens and public officials
Funding: None, other than personal
Status: In Progress

Campbell, Kenneth
Secrets of NSIBIDI
Funding: None, other than personal
Status: Complete

A new MS on a "secret" form of visual communication (pictographic writing) once used by the secret society, the Igbo society, of eastern Nigeria and western Cameroon. Over 900 individual symbols have been gathered with over 700 of these identified or classified.

2. Artistic Production, Showing, or Recital

Benson, William
Exploration combining related images on metal plates.
Funding: None, other than personal
Status: In Progress

Campbell, Charles
Continuation of Painting and Drawing Exploring Contemporary Figurative Approaches
Funding: None, other than personal
Status: In Progress

Hagale, George E.
Sculpture in Wood and Bronze
Funding: None, other than personal
Status: In Progress

Hole, Joy A.
Exhibition of two works of art: Jewelry
1) The 1977-78 Saenger National Small Sculpture and Jewelry Exhibition- a sterling silver ring with aquamarine and pearl was accepted by the jury for the Saenger National Small Sculpture and Jewelry Exhibition showing
2) A 14K gold ring with 1.1K diamond was accepted for the Diamonds-International Award Competition of Exhibition, NY Auer International, New York

Katrosits, Stephen R.
Painting. Continued Work with Airbrush Dealing With Spatial Concepts: Ambiguity, Flux. One painting accepted in Wisconsin '77' at Stevens Point, WI.
Funding: None, other than personal
Status: In Progress

Lawler, John G.
Supervised Student: Advanced Design Students Marketing for Eau Claire Transit System
Funding: Federal, State, City
Status: In Progress
1. Research and Investigation

Barnes, Dr. William J.
Successional Replacement of Elm in River Bottom Forests
Funding: None, other than personal
Status: In Progress

Cencara, V. A.
Deamination of Glutamine & Asparagine
Funding: University Research Grant
Status: In Progress

Temperature Tolerance of Early Life Stages of Yellow Perch (Perca flavescens)
Funding: University Research Grant
Status: In Progress

2. Collaborator: Cencara, E. S.
Current References in Fish Research
Volume III
Funding: None, other than personal
Status: In Progress

Arginase Induction in Fresh Water Fishes
Funding: None, other than personal
Status: In Progress

Fay, Marcus J.
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.
Effect of Prognosis on the Evolution of Alloglossidium
Funding: Univ. Research Grant/Departmental
Status: Complete

The evolution of Alloglossidium is influenced primarily by progressive loss of the metacercarial cyst. These two factors acting together enable an invertebrate to serve as a successful definitive host. In several instances, the necessity of a vertebrate definitive host has been completely eliminated, thereby opening up an entirely new ecological niche to the parasite.

Immunology and histopathology of sipholeria
Funding: University Research Grant
Status: In Progress

A new genus of trematode from the Little Brown bat in Wisconsin
Funding: Departmental
Status: Complete

Octotremaschistia gen. et sp. n. is described from Myotis lucifugus in Wisconsin. This trematode differs from other members of the Leptothedoniidae in the possession of muscular papillae on the oral sucker.

Jewell, Thomas R.
Response of fungal pathogens of freshwater fish to change in their thermal environment
Funding: Departmental
Status: In Progress

Jones, Helena L.
Collaborators: Daniel L. Jones, M.D., Mark V. Dahl, M.D.
Antigenicity of the basement membrane of various types of basal cell carcinomas
Funding: Foundation
Status: In Progress

Saigo, Roy H.
Collaborators: David Peterson, Robert Cecich
An ultrastructural investigation of protein body development in young oat fruits (grains)
Funding: University Research Grant/Madison Grant
Status: In Progress

3. Innovative Pedagogical Project

Benson, William
Comprehensive filing techniques
Funding: None, other than personal
Status: In Progress

Joslin, Richard W.
Collaborator: Allen Denio
Chemistry, Clay and Pottery Students
Funding: Univ. Research Grant
Status: In Progress

Biology
Dr. Mark Fay, Chairman
3. Major Student Research

Balting, Dr. Terry A.  Supervised Student: Brett Hamerick
Survey of an Eau Claire Blackbird Roost
Funding: None, other than personal
Status: Complete

Smudden, Birdeil  Supervised Student: Obed Odemelem
"Microbial Quality of Salad Greens"
Funding: Departmental
Status: Complete
Salad greens purchased from local supermarkets were examined to determine their microbial quality. It was concluded that despite their heavy microbial load the risk of food borne infection from these foods appeared minimal.

Wittrock, Darwin D.  Supervised Student: Frederick W. So
Ultrastructure of the metacecaria of Ornithodiplostomum psychochelius (Trematoda: Diplometmatidae) from the brains of fathead minnows.
Funding: Departmental
Status: In Progress

Supervised Student: Julie M. Smith
Ultrastructure of plant viruses infecting bleeding heart (Ligustrum thompsoniae)
Funding: Departmental
Status: In Progress

Supervised Student: David Henard
An electron microscope study of the fine structure of two digenetic trematodes of the family Lecithodendridae (Loxogynus sp. and a trematode from big brown bat).
Funding: Departmental
Status: In Progress

Supervised Student: Mark D. Johnson
Ultrastructure of the blue-green alga Coelosphaerium majellum or a related species
Funding: Departmental
Status: In Progress

4. Dissertation Research

Barnes, William J.  Supervised Student: Roger Pederson
History of the Vegetation of the Tiffany Branch
Funding: Univ. Research Grant
Status: In Progress

Crowe, David  Supervised Student: Bernard Schafer
Status of the racoon in North Dakota
Funding: None, other than personal
Status: In Progress

Font, William P.  Supervised Student: Anne Paula Eaton
Seasonal population dynamics of Allocloglossidium macrobdellicus
Funding: Departmental
Status: In Progress

Lawe, Robert E.  Supervised Student: John McGovern
Birds of Putnam Park
Funding: None, other than personal
Status: In Progress

CHEMISTRY
Floyd Krause, Chairman

1. Research and Investigation

Bowers, Delores N.  Supervised Student: Jack Silko
Lori Campbell
Seven Mile Creek and Colum Leachate - Water Analysis
Funding: Other
Status: In Progress

Collaborator: Dr. Robert K. Hess
Supervised Students: Martin Beck
Debbie Escher
Characterization of Lysimeter Leachate and Paper Mill Sludge Attenuated Effluent
Funding: Univ. Research Grant
Status: In Progress
CURRENT PROJECTS, PROGRAMS, AND RESEARCH 1977 (continued)

Campbell, Donald L.
Collaborator: Dean P. Nelson
Supervised Students: Terry Caynor, Deborah Parsons, Joni Karliske
Attenation of Landfill Leachate Pollutants by Sandy Soil
Funding: Univ. Research Grant
Status: In Progress

Chenier, Philip J.
Collaborators: Gordon Schatt
Peter Vanderwagen, Cynthia Harden
A novel synthesis of tetrahydro-B-Carbolines
Funding: Foundation
Status: In Progress

Darno, Allen A.
Supervised Student: James Zank
A solution and thin film investigation of polystyrene when exposed to an elemental mercury environment
Funding: Univ. Research Grant
Status: In Progress

Duerst, Richard
Supervised Students: Greg Griese, Lynn Vlasnik, Dan Hsu, Dick Larson, Andrew beuwald, Joyce Breitweiser, Carol Detry, Kurchau Hiro
Funding: Univ. Research Grant
Status: In Progress

Grousas, William C.
Supervised Student: George Meitner
Design and Synthesis of Bioactive Molecules: Antitumor Agents.
Funding: University Research Grant
Status: In Progress

Grousas, William C.
Supervised Student: Jane Frankson
Design and Synthesis of Suicide Inactivators of Elastase
Funding: University Research Grant
Status: In Progress

Grousas, William C.
Supervised Student: Jane Casper
Synthesis of Bioactive Molecules
Funding: University Research Grant
Status: In Progress

Grousas, William C.
Supervised Student: George Meitner
Synthetic and Stereochemical Studies in the Methadone series
Funding: None, other than personal
Status: In Progress

Grousas, William C.
Supervised Student: David Fulker
Synthesis of Potential Antitumor Agents
Funding: None, other than personal
Status: In Progress

Nelson, Dean
Collaborator: Donald Campbell
Supervised Student: Debbi Parsons
Attenation of Landfill Leachate Pollutants by Sandy Soil
Funding: Univ. Research Grant
Status: In Progress

Ochrromowycz, Leo
Collaborators: Dr. David B. Korabacher, Mark Forget
Supervised Students: C. Allen, M. Rice, D. Peterson, J. Kenner
Cyclic Polythiophenes in Metal Ion Transport
Funding: Federal
Status:

Platskevic, John
Supervised Students: Paul Braun, Cheryl Jones, Mike Wiliński
Electron Transfer Reactions of Superoxide Anion
Funding: Univ. Research Grant
Status: In Progress

Tanaka, Wesley K.
Supervised Student: Tim Stelmeta
Control of Protein Synthesis in Developing Brine Shrimp
Funding: Univ. Research Grant
Status: In Progress

Wilson, Robert L.
Supervised Student: Steve Hoesser
Construction of a digital integration-subtraction ratemeter
Funding: University Research Grant
Status: In Progress

Supervised Student: Richard Pustow
Reaction of amphetamine with benzil and fluorescence
Funding: Univ. Research Grant
Status: In Progress

Supervised Student: Fred Fleming
Reaction of amphetamine with benzaldehyde and benzophenone
Funding: Univ. Research Grant
Status: Complete

Klink, Joel R.
Supervised Student: Amy D. Funk
Subject Matter Diversification Via Modular Instruction
Funding: UW System UTIG Fund
Status:

COMMUNICATIVE DISORDERS
Dr. Theodore Peters, Chairman

1. Research and Investigation

Larson, Vicki
Collaborators: Elizabeth Goodwin, Sylvia Steiner
Research in the area of developmental language disorders
Funding: Departmental
Status: In Progress
McMillen, Margaret
Functional communication for the adult handicapped
citizen-assessment and recommendations
Funding: None, other than personal
Status: Complete
Mueller, Peter B.
Communicative disorders in a geriatric
population: a survey
Funding: Univ. Research Grant
Status: Complete
Incidence data of disorders of communication
were acquired by means of surveys to determine
what percentage of the population could benefit
from speech pathology and/or audiology services.
Also a questionnaire was sent to speech pathologists
and audiologists to determine manpower needs in the area of geriatric
speech pathology and audiology.

Stetholaryngoscopy: A new technique for
evaluation and treatment of disorders of voice
Funding: None, other than personal
Status: In Progress
Peters, Theodore
Survey of stuttering in the Wisconsin Public Schools
Funding: None, other than personal
Status: In Progress
Godwin, Elizabeth
Collaborators: Larson, Vicki
Steiner, Sylvia
Research in the area of developmental
language disorders
Funding: Departmental
Status: In Progress
Steiner, Sylvia
Collaborators: Vicki Larson
Elizabeth Rowe Godwin
Research in the area of developmental
language disorders
Funding: Departmental, Federal, Other (Personal)
Status: In Progress

Larson, Vicki
Supervised Student: Cali Vanatathorne
A curriculum guide for teaching sign language
to the Hearing Impaired Mentally Retarded
Funding: None, other than personal
Status: Complete
This thesis developed a curriculum guide to
teach sign language to non-socia! hearing-impaired
mentally retarded individuals. The curriculum
guide was based upon information on normal
psycholinguistic development. Each of the
developmental levels of the curriculum guide
included long and short term goals, suggested
signs and example activities.

6. Program with Federal or Foundation Support
Halseley, Susan
Collaborator: Vicki Larson
Obtaining a spontaneous language sample for
classification purposes: A training manual
Funding: Other
Status: In Progress
Larson, Vicki
Collaborator: Halseley, Susan
Obtaining a spontaneous language sample for
classification purposes: A training manual
Funding: Other
Status: In Progress

COMPUTER SCIENCE
David Nuesse, Chairman

1. Research and Investigation
Larson, Leonard A.
Collaborators: David A. Nuesse
Richard Baum
Supervised Student: Cal Coleman
PLANIT Implementation and CAL Courseware for
Computer Science
Funding: Univ. Research Grant
Status: Complete
The project discusses the procedures and problems
associated with implementation of the PLANIT (CAL)
language on a 3570. It also discusses the use
of PLANIT through courseware that was developed.

Nuesse, David
Collaborator: Henry DuPont
Statistical consultation and computer analysis
for "Dupont Affective Development"
Funding: Other
Status: In Progress

2. Collaborators: Ron Shaffer
Marie Rosenberg-Dishman
Statistical consultant and computer analysis
for "Title I Higher Education Act of 1965 and
Title V Rural Development Act of 1972, Financial
Institutions-West Central Wisconsin.
Funding: Federal
Status: Complete

Larson, Vicki
Supervised Student: Cali Vanatathorne
A curriculum guide for teaching sign language
to the Hearing Impaired Mentally Retarded
Funding: None, other than personal
Status: Complete
This thesis developed a curriculum guide to
teach sign language to non-socia! hearing-impaired
mentally retarded individuals. The curriculum
guide was based upon information on normal
psycholinguistic development. Each of the
developmental levels of the curriculum guide
included long and short term goals, suggested
signs and example activities.
7. Innovative Pedagogical Project

Headington, Mark R.
Collaborators: Ron Decker, Stuart Allen, Fred Wadd
Computer simulation of a basic materials industry
Funding: Departmental
Status: In Progress

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Collaborator: Frederick Sauer
Conversion of City Model computer program: city model game intended for instructional purposes and designed to demonstrate the economic, social, and political impact of decision making in a simulated community
Funding: Departmental/Federal
Status: In Progress

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ECONOMICS
Donald Ellickson, Chairman

1. Research and Investigation

Carbaugh, Robert J.
Collaborator: Keith Leitner
"Estimation of the Demand for Tourism in Northern Wisconsin."
Funding: Federal
Status: Complete

The projected estimated the demand for community projects. Case study of recreation demand presented based upon Cumberland, Wisconsin.

Wassink, Darin
Economic Development with Unlimited Finances: Foreign Exchange Surplus OPEC Countries
Funding: None, other than personal
Status: Complete

A study of the limits to economic development in the OPEC countries with surplus finances. The concept of absorptive capacity is analyzed to understand the development problems in these countries.

Weeks, Gregory
A theoretical and empirical investigation of linkage between labor markets and the business cycle
Funding: None, other than personal
Status: Complete

Young, Edward G.
The determinants of unionization by state
Funding: None, other than personal
Status: In progress

4. Dissertation Research

Egan, James P.
A College and Its Community
Funding: Federal
Status: Complete

This is a slide presentation which is used to explain how college can cooperate with development to estimate and plan for the impacts of mining on their community and environment.

Reitter, Diann C.
"Legal Institutions and Municipal Debt"
Funding: None, other than personal
Status: In Progress

ENGLISH
Douglas Pearson, Chairman

1. Research and Investigation

Amira, Esther L.
Supervised Student: Dawn Whited
A Historical Novel on the Life of Three Women Who Lived in France During the 16th Century. The title has not been decided upon.
Funding: None, other than personal
Status: In progress

Curtis, Allen
Acquisition at the syllable in the verbalizations of human infants (6-12 months)
Funding: None, other than personal
Status: Complete

Observation of vocalizations of 6-12 month old infants suggests that the production of CV sequence (usually appearing during the 9th to 12th month) is preceded by a stage-like series of more primitive acquisitions, beginning in or before the sixth month when extended V sequences are the rule. The research is being continued.

Fairbanks, Carol
Collaborator: Eugene Englander
Funding: None, other than personal
Status: Complete

Funding: None, other than personal
Status: Complete

Hilger, Michael J.
Collaborator: Kirby Congdon
An anthology of motorcycle poetry
Funding: None, other than personal
Status: In Progress

Last, Ellen
"Hilda Belle Oxby" and "Voices from Eau Claire: Some Perspectives on Women and the Campus"; Chapters in University Women, Book from U.W. Office of Women.
Funding: Complete
Status: Complete

One Chapter provides a general history of women as faculty members on the Eau Claire campus from 1916 to the present. The other is a profile of a member of the original faculty.

Tranev, Blagoy Petrov
The Simile in the Early W. Faulkner
Funding: None, other than personal
Status: In Progress
Waters, D. Douglas
"Catharsis as Clarification in Shakespeare's Tragedies"
Funding: None, other than personal
Status: In Progress

2. Artistic Production, Showing, or Recital
Lindquist, Wayne
Lazarillo de Tormes and The Painted Bird: The Vicaros Comes of Age
Funding: None, other than personal
Status: Complete
A study of the relation of the picaresque form to its time and the goals of satire.

3. Major Student Research
Alexander, Robert R.
Supervised Student: Ruth Pickle
The Music on Hopkins' Poetry
Funding: None, other than personal
Status: In Progress

4. Dissertation Research
Alexander, Robert R.
Supervised Student: Nancy Waterphul
"Hopkins: Affinity With Keats"
Funding: None, other than personal
Status: In Progress

Gouge, Saxon G.
Supervised Student: Clair Jacobson
The Vankanti and Hunkpatina Indians (A thesis submitted in partial fulfillment of the requirements for the degree of M.A. in History)
Funding: None, other than personal
Status: In Progress

Hanson, Charles M.
The Image of the Artist in Selected American Novels of the 1910s
Funding: None, other than personal
Status: In Progress

Pearson, Douglas A.
An Analysis of Far From The Madding Crowd as Fiction and Film
Funding: None, other than personal
Status: In Progress

5. Innovative Pedagogical Project
Bettis, Jane C.
Collaborator: Richard Shaw
"Your New BFA: Care, Maintenance and Feeding"
Funding: Foundation
Status: Complete
The film is intended for people graduating from art schools or curricula. It deals with attitudes and choices in art and design careers.

Donoghue, Nan F.
Collaborator: John Whooley
Setting up a workshop to demonstrate the teaching methods used most effectively, analyze them, and suggest how instructors might adapt these methods to other subjects.
Funding: Central Administration
Status: In Progress
2. Artistic Production, Showing or Recital

Arzendariz, Angelo
An Evening with Garcia Lorca (A presentation of the best in Garcia Lorca's poetry).
Funding: None, other than personal
Status: Complete

3. Dissertation Research

Lazzaro, Antonio
Gentoraidis Cucos de Avellamed: Ideas about Cuban society of her times in her prose
Funding: None, other than personal
Status: Complete

4. Innovative Pedagogical Project

Bacharak, Hilde
Collaborator: Edith O'Connor
F. L. Workshop in Pigeon Lake: Folklore use in foreign language teaching
Funding: Departmental
Status: Complete

5. Innovative Pedagogical Project

Bacharak, Hilde
Collaborator: Media Development Center
Radio plays
Funding: Departmental
Status: Complete

6. Research and Investigation

Cahow, Adam C.
Glacial Deposits and Landforms of Northern Wisconsin
Funding: Other
Status: In Progress

7. Research and Investigation

Cahow, Adam C.
Glacial Deposits and Landforms of Northern Wisconsin
Funding: Other
Status: In Progress

Foust, James Brady
Collaborator: A.R. deSouza
The Wisconsin Urban System: Functional Size, Trade Areas, and Nesting
Funding: Federal
Status:

8. Research and Investigation

Foust, James Brady
Collaborator: A.R. deSouza
The Wisconsin Urban System: Functional Size, Trade Areas, and Nesting
Funding: Federal
Status:

9. Research and Investigation

Foust, James Brady
Collaborator: A.R. deSouza
The Wisconsin Urban System: Functional Size, Trade Areas, and Nesting
Funding: Federal
Status:

10. Research and Investigation

Goranson, Leonard D.
An attempt to update the 1955 service classification of cities
Funding: None, other than personal
Status:

11. Research and Investigation

Goranson, Leonard D.
An attempt to update the 1955 service classification of cities
Funding: None, other than personal
Status:

12. Research and Investigation

Tanner, Gilbert
Land use maps of iron, Douglas County
Funding: Other
Status: Complete

13. Research and Investigation

Tanner, Gilbert
Land use maps of iron, Douglas County
Funding: Other
Status: Complete

14. Historical Geography of Wisconsin

Thiede, Roger L.
Funding: Complete
Status: In Progress

15. Innovative Pedagogical Project

Fuhl, Richard
Development of goal descriptors in geography for the Department of Public Instruction
Funding: None, other than personal
Status: In progress

16. Innovative Pedagogical Project

Wilson, James K.
Improving student's comprehension of fundamental geologic concepts through the use of satellite-derived imagery
Funding: University research grant
Status: Complete

17. History

Cochrane, William
Supervised student: Mrs. Hilda Carter Fletcher
The University of Wisconsin, A History, 1916-1976
Published by University of Wisconsin Foundation, in 1976. Accepted as a Master of Arts-History thesis.
Funding: Foundation
Status: Complete

18. History

Cochrane, William
Supervised student: Mrs. Hilda Carter Fletcher
The University of Wisconsin, A History, 1916-1976
Published by University of Wisconsin Foundation, in 1976. Accepted as a Master of Arts-History thesis.
Funding: Foundation
Status: Complete

19. History

Coy, Richard
Supervised student: Chieu Vang
The War in Viet Nam: Won or Lost
Funding: None, other than personal
Status: Complete

20. History

Coy, Richard
Supervised student: Chieu Vang
The War in Viet Nam: Won or Lost
Funding: None, other than personal
Status: Complete
Fischer, Duane
Supervised Student: Clair E. Jacobson
The Yanktonal and Hunkpatina Indians
Funding: None, other than personal
Status: Complete

Lauber, Jack
Supervised Student: Radde, Sharon R.
MA Thesis: Effects of Russian Conquest and Pacification Practices in South Russia: A Case Study of the Kalmeke, Crimean Tartars, and Circassians from 1765-1865 as Expressed by Western Observers
Funding: None, other than personal
Status: Complete

Mickel, Ronald
Supervised Student: Kathryn Gilbert Rank
The Prohibition Movement in Milwaukee
1890-1919
Funding: None, other than personal
Status: In progress

Warlooki, Ronald
Supervised Student: Gary Rosencrans
An Examination of Arthur Koestler's Position on Ends and Means in The Gladiators, Darkness at Noon, and Arrival and Departure
Funding: None, other than personal
Status: In progress

4. Dissertation Research

Landa, Paulus
The role of the indigenous Latvian people in the struggle for hegemony in the Baltic provinces in the 19th century.
Funding: None, other than personal
Status: In progress

Miller, Thomas
"The German Family in the 16th Century"
Funding: None, other than personal
Status: In progress

JOURNALISM
Elwood Karward, Chairman

3. Major Student Research

Jenson, John R.
Supervised Students: Rhonda Kuchenbecker
Lu Cindy Hutterlı, Phil Pfluehler,
James Schmatz
"President Carter's Depiction in Editorial Cartoons During His First Three Months in Office"
Funding: Departmental
Status: Complete

MATHEMATICS
Lawrence Wahlstrom, Chairman

1. Research and Investigation

Michelis, Walter
Lie Coalgebra
Funding: None, other than personal
Status: In progress

Tatearo, Joseph L.
Use of geometric transformations to create different types of tesselation fundamental regions.
Funding: Complete
Status: In progress

7. Innovative Pedagogical Project

Blanchard, Paul
An intuitive approach to the derivative and its application to curve sketching using movie film animation. Also working on the same media for "Functions and their Inverses", "Central Limit Theorem" and others
Funding: None, other than personal
Status: In progress

Gotier, Eirov
A modular approach for elementary statistics
Funding: WGCC
Status: In progress

Maor, Elv
An experimental course for gifted children in mathematics based on the TI-57 programmable calculator
Funding: None, other than personal
Status: Complete

Proposes a syllabus for a six-week, three times per week course for talented children in mathematics based on the availability of the TI-57 programmable calculator to each participant in the course.

Rolland, Alvin
Introduction to Algebra - A video presentation
Funding: Other
Status: Complete

A set of 43 color video tapes used as a supplement to classroom work.

MUSIC
M. M. Schlicke, Chairman

1. Research and Investigation

Bruner, Edward
DMA Thesis (cont) Missa Beata Virgine of the late 16th Century Spain
Funding: Other
Status: Complete
<table>
<thead>
<tr>
<th>Artistic Production, Showing, or Recital</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aspen, Frances</strong></td>
</tr>
<tr>
<td>Teaching exercises: original pieces for solo or ensemble use; arrangements or transcriptions for solo or ensemble use</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
</tr>
<tr>
<td>Status: In Progress</td>
</tr>
<tr>
<td><strong>Bruner, Edward</strong></td>
</tr>
<tr>
<td>Chippewa Valley Community Chorus</td>
</tr>
<tr>
<td>Funding: Other</td>
</tr>
<tr>
<td>Status:</td>
</tr>
<tr>
<td><strong>Cecchini, Penelope C.</strong></td>
</tr>
<tr>
<td>Supervised Student: Robert Wall</td>
</tr>
<tr>
<td>Senior Composition Recital, Gantner Hall, May 2, 1977</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
</tr>
<tr>
<td>Status: Complete</td>
</tr>
<tr>
<td><strong>Collaborator: Paul Kosower</strong></td>
</tr>
<tr>
<td>Summer Session Recital, Gantner Hall, June 14, 1977</td>
</tr>
<tr>
<td>Funding: Other</td>
</tr>
<tr>
<td>Status: Complete</td>
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<tr>
<td><strong>Faculty Piano Recital, Gantner Hall</strong></td>
</tr>
<tr>
<td>September 11, 1977</td>
</tr>
<tr>
<td>Funding: None other than personal</td>
</tr>
<tr>
<td>Status: Complete</td>
</tr>
<tr>
<td><strong>Piano Recital which opened the season of the Chippewa Concert Association, Inc., Chippewa Falls, WI, Sept. 14, 1977</strong></td>
</tr>
<tr>
<td><strong>Collaborator: Anthony Sirianni</strong></td>
</tr>
<tr>
<td>Concerto Competition sponsored by Women's Association of Minnesota Symphony Orchestra St. Paul, MN, Sept. 16, 1977</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
</tr>
<tr>
<td>Status: Complete</td>
</tr>
<tr>
<td><strong>Collaborator: Richard Johnson</strong></td>
</tr>
<tr>
<td>Faculty Vocal Chamber Recital, Gantner Concert Hall, Oct. 9, 1977</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
</tr>
<tr>
<td>Status: Complete</td>
</tr>
<tr>
<td><strong>Collaborator: Rupert Hohmann</strong></td>
</tr>
<tr>
<td>Faculty Violin-piano recital, Gantner Concert Hall, Oct. 12, 1977</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
</tr>
<tr>
<td>Status: Complete</td>
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<tr>
<td><strong>Collaborator: Alexia Firstenberg</strong></td>
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<tr>
<td>Concert Choir Performance, Gantner Concert Hall, October 14, 1977</td>
</tr>
<tr>
<td>Funding: Departmental</td>
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<tr>
<td>Status: Complete</td>
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<tr>
<td><strong>Collaborator: Dale Warland</strong></td>
</tr>
<tr>
<td>Rehearsal accompanist for Eighteenth Annual Madrigal-Chamber Choir Festival, Gantner Concert Hall, October 15, 1977</td>
</tr>
<tr>
<td>Funding: Departmental</td>
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<tr>
<td>Status: Complete</td>
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<tr>
<td><strong>Supervised Student: Kay Mehre</strong></td>
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<tr>
<td>Junior Piano Recital, Gantner Concert Hall, Nov. 21, 1977</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
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<tr>
<td>Status: Complete</td>
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<tr>
<td><strong>Supervised Student: Mark Spicer</strong></td>
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<tr>
<td>Junior Piano Recital, Gantner Concert Hall, November 21, 1977</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
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<td>Status: Complete</td>
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<tr>
<td><strong>Cunningham, Michael G.</strong></td>
</tr>
<tr>
<td>Catherine Sloper (a three-act opera in piano score) based on Henry James' novel Washington Square</td>
</tr>
<tr>
<td>Funding: None, other than personal</td>
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<td>Status: Complete</td>
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<tr>
<td><strong>Hohmann, Rupert E.</strong></td>
</tr>
<tr>
<td>Piano faculty trio performance, January, Gantner Concert Hall, April</td>
</tr>
<tr>
<td>The Merry Wives of Windsor, February, Gantner Concert Hall, April</td>
</tr>
<tr>
<td>Contemporary Music Symposium, April, Gantner Concert Hall, April</td>
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<tr>
<td>University Symphony Orchestra, April, Gantner Concert Hall, April</td>
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<tr>
<td><strong>Verdi Requiem, May, Univ. Arena</strong></td>
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<tr>
<td>Senior Violin Recital, Nicholas Seeger, March, Gantner Concert Hall, May</td>
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<tr>
<td>Faculty Violin Recital, Nicholas Seeger, March, Gantner Concert Hall, May</td>
</tr>
<tr>
<td>University Chamber Orchestra, October, Gantner Concert Hall, October</td>
</tr>
<tr>
<td>Junior Violin Recital, Robert Wells, April, Schofield Hall, April</td>
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<tr>
<td>University Symphony Orchestra Tour, November</td>
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<tr>
<td>Senior Violin Recital, Robert Wells, December</td>
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<tr>
<td>University Symphony Orchestra Concert, Home Concert, November, Gantner Concert Hall, November</td>
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<tr>
<td>Oratorio Chorus, December, Univ. Arena</td>
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<td><strong>Lahman, Merlin E.</strong></td>
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<tr>
<td>Faculty Organ Recital</td>
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<tr>
<td>Funding: None, other than personal</td>
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<td>Status: Complete</td>
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<tr>
<td><strong>Collaborator: G. Edward Bruner</strong></td>
</tr>
<tr>
<td>Organist, Choral Clinic Concert - Gantner Concert Hall, October, 1977</td>
</tr>
<tr>
<td>Funding: None</td>
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<tr>
<td>Status: Complete</td>
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<tr>
<td><strong>Collaborator: G. Edward Bruner</strong></td>
</tr>
<tr>
<td>Organist, Oratorio Society Concert, Gantner Concert Hall, October, 1977</td>
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<tr>
<td>Funding: None</td>
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<td>Status: Complete</td>
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<tr>
<td><strong>Collaborator: G. Edward Bruner</strong></td>
</tr>
<tr>
<td>Organist, University Women's Chorus I, Gantner Concert Hall, November, 1977</td>
</tr>
<tr>
<td>Funding: None</td>
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<td>Status: Complete</td>
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</tbody>
</table>
Faculty and Staff Information

CURRENT PROJECTS, PROGRAMS, AND RESEARCH 1977 (continued)

Supervised Student: Kathy Neumcke
Senior Organ Recital, Grace Lutheran Church, Eau Claire, WI, November, 1977
Funding: None
Status: Complete

Collaborator: G. Edward Bruner
Harpsichord and Piano, Oratorio Chorus Concert
University Arena, December, 1977
Funding: None
Status: Complete

Collaborator: Paul Hilbrich
Organist, Chamber Choir Concert, Gartner Concert Hall, December, 1977
Funding: None
Status: Complete

Organist, Commencement, University Arena, December, 1977
Funding: None
Status: Complete

Lunde, Ivar
Two Contrasts for Winds and Percussion, Opus 66
Funding: Other
Status: Complete

Concerto for Harpsichord and Woodwind Quintet in One Movement, Opus 65
Funding: None, other than personal
Status: Complete

Collaborators: Nancy Rice & Nanette Lunde
Faculty Recital
Funding: Departmental
Status: Complete

Lunde, Nanette
Harpsichord Recital, Recital Hall
August 28, 1977
Funding: None, other than personal
Status: Complete

Broadcast Recording, Norwegian National Radio
Oslo, Norway, March, 1977
Funding: Norwegian National Radio
Status: Complete

Rice, Nancy
Piano concert recital, October, 1977
Funding: None, other than personal
Status: Complete

Collaborator: Kathryn Proctor
Concert recital, November, 1977
Funding: None, other than personal
Status: Complete

Collaborator: Beverly Dick
Concert recital, June, 1977
Funding: None, other than personal
Status: Complete

Collaborator: Ivar Lunde, Jr.
Concert recital, September, 1977
Funding: None, other than personal
Status: Complete

6. Program with Federal or Foundation Support

Hohmann, Rupert K.
University Symphony Orchestra, Brown Bag Concert
University Arena
Funding: Music Performance Trust Fund

Koosower, Paul R.
Faculty Piano Trio Concert, January, 1977
Funding: None, other than personal
Status: Complete

University Chamber Orchestra Concert
(Conductor), March, 1977
Funding: Departmental
Status: Complete

Cello Soloist with the St. Paul Chamber Orchestra, April, 1977
Funding: None, other than personal
Status: Complete

Collaborator: Mark Stelldinger
Senior Cello recital - May, 1977
Funding: Departmental
Status: Complete

Cello Recital (Summer Session Programs), June, 1977
Funding: Other
Status: Complete

Cello Recital, October, 1977
Funding: None, other than personal
Status: Complete

Conducted Chamber Orchestra tour and home concert performed at Stevens Point, Wausau, Marshfield, and Wisconsin Rapids, October, 1977
Funding: Departmental
Status: Complete

Performed on a faculty recital of Kathryn Proctor, November, 1977
Funding: None, other than personal
Status: Complete

Supervised Student: Carrie Lane
Senior Cello Recital, November, 1977
Funding: Departmental
Status: Complete

Supervised Student: Wendy Hazen
Senior Cello Recital, November, 1977
Funding: Departmental
Status: Complete
CURRENT PROJECTS, PROGRAMS, AND RESEARCH 1977 (continued)

PHILOSOPHY & RELIGIOUS STUDIES
Philipp Griffin, Chairman

1. Research and Investigation

Koshechuk, Ronald
"Values Implicit in Descriptions of Technical Change"
Funding: None, other than personal
Status: In progress

Rice, Daniel
"Sidney Mead and the Problem of 'Civil Religion' in the U.S." (accepted for publication in a forthcoming issue of the Journal of Church and State)
Funding: None, other than personal
Status: In progress

"An Attempt at Systematic Reconstruction in the Theology of Thomas Chalmer" (accepted for publication in a forthcoming issue of the Journal of Church History
Funding: None, other than personal
Status: Complete

"Will Herberg: Catholic Apologist In Partibus Infidelium"
Funding: None, other than personal
Status: Complete

2. Dissertation Research

Sipress, Morton
The President and Congress: The degree of success the President has in getting his legislative proposals through Congress
Funding: None, other than personal
Status: In progress

PSYCHOLOGY
Barbara Loxar, Acting Chairman

1. Research and Investigation

Baumgardner, Steve R.
Supervised Student: Class Project
Survey of victims of crime in Eau Claire
Funding: None, other than personal
Status: In progress

BRANDENBURG, Lura J.
Self concept and somatotype as factors in adolescent body image stereotyping
Funding: None, other than personal
Status: In progress

PHYSICS
Dr. Phillip Chute, Chairman

Research and Investigation

Elliott, Robert
Collaborator: C. Kojian
Supervised Student: Steven Albrecht
Accurate positions of markarian galaxies
Funding:
Status: In progress

SMELTALLS, William G.
Supervised Student: Randy W. Olson
UBF Photoelectric Photometer: I. Development
Funding: Departmental
Status: Complete

6. Program With Federal or Foundation Support

Kojian, Gabriel
Currently on leave as an exchange scientist in the USSR under the auspices of the U.S. National Academy of Sciences and the Academy of Sciences of the USSR.
Funding: Federal
Status: In Progress

POLITICAL SCIENCE
Robert Gibbons, Chairman

1. Research and Investigation

Campbell, Leonard
Alternatives to the use of arms for national defense
Funding: None, other than personal
Status: Complete

Analysis of several alternative possible forms of national defense. Each alternative is outlined briefly and the social and political implications are highlighted.

Disarmament education in north american colleges and universities: a survey
Funding: Departmental/UNESCO
Status: Complete

A survey of 307 colleges and universities in the U.S. and Canada to discover degree, academic location and approaches to disarmament theory and practice and a critical analysis of findings, practices and theory.

4. Dissertation Research

Sipress, Morton
The President and Congress: The degree of success the President has in getting his legislative proposals through Congress
Funding: None, other than personal
Status: In progress
Horse, Larry A.
Supervised Student: David Hill
A token program for maintaining appropriate social and self-care behavior of a retarded child at home.
Funding: None, other than personal
Status: In progress

Paden, Blaine F.
Autoshaping and omission training: Implications for the classical-instrumental distinction
Funding: University Research Grant
Status: In Progress

Tomlinson, Robert S.
The Effects of Threat and Frustration on Aggression in Repressors and Sensitizers
Funding: None, other than personal
Status: In progress

3. Major Student Research
Reese, William
Supervised Student: Carol Matsumasuka Tschernach
Social Emotional Development of Children From One Parent Families
Funding: Complete

SOCIAL WORK
David Johnson, Chairman

7. Innovative Pedagogical Project
Johnson, David J.
Collaborator: Dean Gregory O'Brien
Joint NSW Program: UW-Milwaukee/Eau Claire
Funding: None, other than personal
Status: In progress

SOCIOLOGY
J. Kenneth Davidson, Chairman

1. Research and Investigation
Davidson, J. Kenneth, Sr.
Collaborator: Gerald R. Leslie
Sexual Attitudes and Behavior in a Medical Milieu
Funding: Departmental
Status: In progress

Collaborator: Linda Lee Hoffman
Sexual Fantasies and Sexual Adjustment: A Pilot Study
Funding: Departmental
Status: In progress

Collaborator: J. Earl Williams
Jack Brooks
Health Knowledge, Attitudes and Practices Among the Elderly and Non-Elderly
Funding: Departmental
Status: In progress

Flores, George K.
Volunteerism from the Perspective of Volunteers
Funding: Departmental
Status: In progress

Hunnicut, John
A study of the Upward Bound students ten years after they had attended.
Funding: Other
Status: In progress

Minkus, Helaine K.
Analysis of Alaskan Philosophy
Funding: None, other than personal
Status: In progress

Mitchell, Roger
A study of the Lumbering-Farming Complex in Northern Maine
Funding: None, other than personal
Status: Complete

Monograph to be published Univ. Maine Press under title I'm a Man That Works. Follows the movement of people into northern Maine and the working out of a woodwork in the winter, farming in the summer subsistence economy.

A study of rumor, the popular press, and folklore.
Funding: None, other than personal
Status: In progress

SPEECH
Fred Whited, Chairman

1. Research and Investigation
Ridge, Alice
Collaborators: Fred Whited
Melissa Miller, Mark Schmidt
Famous Failures: Rhetoric That Failed
Funding: None, other than personal
Status: In progress

Whited, Fred
Collaborators: Alice Ridge
Melissa Miller, Mark Schmidt
Famous Failures: Rhetoric That Failed
Funding: None, other than personal
Status: In progress

An anthology of speeches that failed in their intended purpose, with critical introductions

2. Artistic Production, Showing, or Recital
McDonnell, William E.
Participation in Reading Hour Program, "Styles and Performance" for the Central States Speech Association, April 14, 1978.
Funding: None, other than personal
Status: Complete

The Rimes of Eldritch
Funding: Status: Complete
CURRENT PROJECTS, PROGRAMS, AND RESEARCH 1977 (continued)

7. Innovative Pedagogical Project

Bridges, Alice
Video tape on: Listening Concepts for the Journalist
Funding: None, other than personal
Status: Complete

A 50 minute video tape lecture about the concept of listening and how it specifically applied to journalists.

ACCOUNTANCY
Lawrence Ozello, Chairman

1. Research and Investigation

Gray, Edsel
Collaborators: Marshall Vick, Shirley Wright
Solving the problem of over withholding of income tax on academic year faculty salaries
Funding: None, other than personal
Status: In Progress

BUSINESS ADMINISTRATION
Stuart Allen, Acting Chairman

1. Research and Investigation

Bergmann, Thomas J.
Collaborator: Lawrence Lepkko
"Reliability in Marketing Research Procedures: Presented to Midwest Marketing Association meeting, Chicago, Ill., April, 1977
Funding: None, other than personal
Status: Complete

Cayley, William
Supervised Student: Vicki Conrad
Job satisfaction among nurses
Funding: Other
Status: Complete

Factor analytic study of job satisfaction among registered nurses. Nurses' attitude responses were correlated with supervisory evaluation of unit effectiveness.

Hannaford, William J.
Supervised Student: E. Kyriakis
"A Study of the Cost-Effectiveness of Systems Purchasing Programs"
Funding: Foundation
Study: In progress

Stevens, David
Individual realtor responsibility for representations to non-client buyer with respect to zoning restrictions
Funding: None, other than personal
Status: Complete

4. Dissertation Research

Harding, R.
Stock Market Foresight
Funding: Departmental
Status: In Progress

Busard, M. Z.
Supervised by: Dr. C. L. Littlefield
Transferability of Management Skills from American Parent Firms to Pakistani Subsidiaries.
Funding: Personal
Status: Complete

Studied transferability of American management skills to an underdeveloped country such as Pakistan. Findings indicated that within certain limitations such transferability was possible. Further research was also suggested.

Weast, Fred
Collaborators: Stuart J. Allen, Ronald Decker
Supervised Student: Michael Frankson
"The Foundry: A Business Simulation"
Funding: Other
Status: Complete

The Foundry: A Business Simulation is designed to be used in a senior level business policy course. It requires students to make all major decisions associated with managing a small grey iron foundry.

7. Innovative Pedagogical Project

Allen, Stuart J.
Collaborators: Ron Decker, Fred Weast
Development of a foundry simulation for use in the classroom
Funding: None, other than personal
Status: Complete

OFFICE ADMINISTRATION & BUSINESS EDUCATION
William Mitchell, Chairman

1. Research and Investigation

Schiattara, Ronald D.
Collaborator: Dr. Jack Johnson
Report Writing in Business
Funding: Other
Status: In Progress

6. Program with Federal or Foundation Support

LaBarre, James E.
Development of FBLA Student Organization Handbook
Funding: Other
Status: In Progress

Seymour, Thomas
Mini computer workshop
Funding: Federal/State VTAE System
Status: Complete
ELEMENTARY EDUCATION
Dr. Max Poole, Chairman

7. Innovative Pedagogical Project
Barganz, Robert A.
Collaborator: Richard Hanson
Strategies in Reading: Grades 5-12. A collection of readings and twelve learning modules.
Funding: UW-Extension
Status: In progress

Provide a description of development and effectiveness of a television based course "Strategies in Reading: Grades 5-12." The course was aimed for college credit on the Wisconsin Educational Television Network. Eight campuses of the University of Wisconsin System offered the course for a mixture of graduate and undergraduate credit. Twelve half-hour video segments were accompanied by a study guide and readings.

Results indicated considerable distribution by geography and academic level of the 450 students enrolled for the 1976 offering. Responses to degree of match among video-study guide-textbook components have led to modification of study/textual materials.

PHYSICAL EDUCATION
Ida Him, Chairman

7. Innovative Pedagogical Project
Kurth, Stephen J.
U.W.-Eau Claire Cardiac Rehabilitation Program
Funding: Departmental/Foundation/Other
Status: Ongoing

Scott, Robert
8 mm loop films on the fundamentals of curling
Funding: Departmental
Status: In Progress

LIBRARY SCIENCE & MEDIA EDUCATION
Glenn Thompson, Chairman

2. Artistic Production, Showing, or Recital
Gerber, Wa. Jack
Collaborators: Bert Spangler
Kevin Heaton

Recording principles
Funding: Departmental
Status: In Progress

SECONDARY & CONTINUING EDUCATION
Charles Larson, Chairman

1. Research and Investigation
Wolf, Anne E.
Collaborator: Dr. M. Jane Greenwald
Generalizability of Reading-Related Behaviors in the Secondary School: An initial study
Funding: None, other than personal
Status: In Progress

SPECIAL EDUCATION
E. Milo Pritchett, Chairman

1. Research And Investigation
Pritchett, E. Milo
Collaborators: Claudia Collin, Bernard Holler, Mark James, Richard Weld
Student Assistant: Ellen Reiseurz
Preparation of Personnel in the Education of the Handicapped
Funding: Federal
Status: In Progress

NURSING
Suzanne Van Ort, Dean

1. Research and Investigation
Van Ort, Suzanne
Collaborators: Rose Gerber
Topical Application of Insulin in Decubitus Ulcers
Funding: Federal
Status: Complete

The purpose of this study was to further evaluate topical insulin therapy as a treatment regimen for decubitus ulcers.

NON-DEPARTMENTAL

1. Research and Investigation
Boyum, Richard K.
Student Values Study, 1976 vs. 1978 - Comparison
Funding: None, other than personal
Status: Complete

Dick, R. Dale
Collaborators: Pioneer Group for Public Policy Impact Research, 1977-78 Development of Chippewa River Basin Research Institute to coordinate basic and applied research on problems confronting business, industry, education, agriculture, and government and related public policy
Funding: Status: In Progress
4. Dissertation Research

Kyrz-Sheelely, B. J.
Knowledge Linkage Activities in Schools, Colleges, and Departments of Education

Funding: None, other than personal
Status: In Progress

5. Institutional Study

Kyrz-Sheelely, B. J.
Collaborator: John W. Ridge
The Pattern of Attendance and Its Correlates: A Follow-Through Study at UW-Eau Claire.

Funding: Departmental
Status: In Progress

Olsen, Mark
Supervised Student: William Lisowski
Evaluation of the 1977 Summer Orientation Program at the University of Wisconsin-Eau Claire

Funding: Departmental
Status: In Progress

Ridge, John Wa.
Collaborator: B. J. Kyrz-Sheelely
The Pattern of Attendance and Its Correlates: A Follow-Through Study at UW-Eau Claire.

Funding: Departmental
Status: In Progress

6. Innovative Pedagogical Project

Whooley, John
Collaborator: Nan Dougherty
PATI (Peer-Assisted Teaching Improvement)

Funding: Undergrad Instr. Improvement Grant
Status: In Progress

Collaborators: Ronald Mortaleoni
Max Poole
ELED program review and revision

Funding: Departmental
Status: In Progress

Collaborator: Carol Klun
Medical Technology Internship Goal Repository

Funding: None, other than personal
Status: In Progress

Engeldinger, Eugene
Collaborator: Carol Fairbanks
Black American Fiction—A Bibliography

Funding: None, other than personal
Status: Complete, but not yet published

Harper, Sarah
Collaborator: Susan Lewke
Program for Educationally Disadvantaged Students

Funding: Departmental
Status: In Progress

Mozantner, Prada
Collaborator: Eugene Engeldinger
Wife Abuse: A Bibliography

Funding: None, other than personal
Status: In Progress

Paul, Jane
An investigation of differences in leadership behavior of Presidents of Task and socially-oriented recognized student organizations, UW-Eau Claire, Fall Semester 1976

Funding: Departmental
Status: Complete

A study of leadership characteristics of the president or chairman of task-oriented and socially-oriented recognized student organizations.

Stein, Valerie T.
The Effect on College Student's Self-Concept and Personality of a Relationship Building Counseling Group

Funding: Departmental
Status: In Progress
BIOLOGY
Mark Fay, Chairman


1. Deamination of L-amino acids was determined in Vitreum River, kidney and gill tissue of the walleye (Strodocara vitreum). 2. Asparagine and L-glutamine were found to be deaminated at the highest specific rates for the tissues examined. 3. Results obtained suggest the liver and kidney in this species are important sites of ammonia production and gill tissue plays a minor role.


Current References in Fish Research Volume 1 is a book containing titles of original research publications covered in 144 different Scientific Journals. Over 1,100 individual titles are listed for the year 1976.


Alloglosidium spp. were collected from over thirty localities in Louisiana and the southeastern USA. In general, the specificity of Alloglosidium species for their definitive host is very restricted. In cases of cross specificity, no host-induced morphological variation occurs. These ecological data support the established taxonomy of the genus.


Alternatives to present plant-related content in the general biology course were investigated by this study. Biology students in five high schools and instructors throughout Wisconsin were surveyed in an effort to identify plant topics of preference.

This study determined instructor and student rating differences and each group's topic preferences. These two factors considered together are of benefit when determining teaching methods and curriculum content.


Evidence obtained by this study indicates that birds forced from these habitats by inundation will not be able to reestablish themselves in remnant above-pool habitats which were filled to capacity before impoundment occurred. Furthermore, the loss of below-pool habitats will indirectly cause a decrease in the number of birds remaining in above-pool habitats. The greater a species dependence on tree-shrub riparian or riverbank floodplain habitat, the greater the impact of impoundment on that species.


This book is an ecological approach to the intelligent stewardship and utilization of America's natural resources, such as soil, water, air, fossil fuel, forests, wildlife and fisheries. It describes the manner in which these resources have been exploited and abused, and discusses the strategies by which they can be restored and maintained.


Eggshells of Ophiosquillata squamatae are characterized by the presence of bipolar filaments extending from the egg capsule. Electron microscopic examination reveals two distinct layers constituting the egg capsule. A thick inner layer, derived from secretions of vitellaria, appears as a continuous band of homogeneous electron-dense material. A thin outer layer formed from membranous secretions of the Mehlis' gland, is highly irregular, appearing as a membranous reticulum. Each egg filament, possessing a smooth surface, is often twisted at its point of attachment to the egg capsule. Filaments arise from globular secretions produced by an extensive granular endoplasmic reticulum and numerous Golgi complexes found within the uterine epithelium. Short filaments are first observed on intrauterine eggs at the level of the fourth uterine loop. Filament elongation continues as eggs pass through the remaining uterine coils.

CHEMISTRY
Floyd Krause, Chairman


An improved synthesis of bicyclo (4.2.1) nonan-2-one (4) has been found. The previous method reported by Krause et al. involved addition of dichloroacetylene to

\[
\text{CH}_2\text{Cl} \quad \text{OAc} \quad 3
\]

(continued)
enol acetate. In one of the key steps, the dichloro-
carbene was generated from chloroform and 10% sodium
hydroxide with catalytic amounts of benzyl triethyl-
ammonium chloride. This procedure could not be duplicated.
Only non volatile products were obtained. The present
paper uses Sayer’s reagent (bromochloromethyl) phenyl-
mercury as the source of dichlorocarbene, with excess
enol acetate. A 57% yield of cyclopropyl
adduct is obtained along with the enol acetate as
an easily separable by vacuum distillation, for a total
recovery of 90%.

Groutas, William C., and George Heltzner, “A Convenient
Synthesis of 5-Hydroxybenzofuran-2-One,” Synthetic
Communications, Volume 7, 1977, pp 91-94.

Although chemotherapy has made substantial contributions
to the fight against cancer, the production of very
unpleasant and dangerous side effects has limited its
use. Thus, the use of new anti-tumor agents exhibiting high selectivity and
low toxicity continues.

A large number of tumor inhibitors from plant sources
have as a common feature a highly reactive \( \text{aminoethyl-}
\text{y-butyltricarboxylate} \) moiety and a proximate hydroxyl or
ester function. These compounds appear to exert their
cytotoxic activity by virtue of conjugate addition of
thiol-bearing biological nucleophiles to the
\( \text{aminoethyl-y-butyltricarboxylate} \) moiety.

Because of their complex structures and difficulty
in isolation from plants, the detailed examination of the
mechanism of action of this promising class of
compounds has been greatly hampered. Furthermore, the
low therapeutic indices of these sesquiterpenes lactones
precludes their clinical use. Research efforts are
centered on the design and synthesis of potentially
bioactive molecules which are structurally-related to
the aforementioned sesquiterpene lactones.

Ochryovycz, Leo and David B. Rorabacher, “The Structure
and Catalytic Activity of the Macrocyclic Effect
Exhibited by Cu(II)- Polye-
er Complexes in Water”, American Chemical Society
Meeting, Chicago, Ill., August 26, 1977, Paper #152
INOR, National ACS Abstracts.

The formation and dissociation rate constants as well
as the stability constants for Cu(II) reacting with
a series of cyclic and open-chain polyether ligands
have been generated for aqueous solution by both
direct and indirect means using the stopped-flow and
temperature-jump methods. The determination of the
rate constants for the formation and dissociation of Cu(II)
ligands are in the normal Cu(II) range of 5-6 kcal/mol with the
rate-determining step apparently at the point of second
bond formation. Macrocyclic and ring size effects are
primarily associated with the subsequent steps in
the reaction sequence. Independent thermodynamic
studies reveal that, for these complexes, the complexation
effect is entirely entropic in nature with the
enthalpy term actually favoring complexity by the
open-chain ligands.

Ochryovycz, Leo and David B. Rorabacher, “Crown Thia-
ethers as Selective Catalytic Reagents for Ag(I), Hg(I),
Cu(I) and Cu(II).”, Federation of Analytical Chemistry
and Spectroscopy Societies, Detroit, Michigan,
November 7-11, 1977, Abstracts of Papers-FACSS.

A series of macrocyclic polyethers ranging from
12- to 24-membered rings and containing 8, 9, or 6
sulfur donor atoms have been investigated along with
their open-chain analogues in terms of their ability
to complex a wide variety of metal ions. Of the common
transition and post-transition metal ions, only Ag(I),
Hg(I), Cu(I), and Cu(II) have formed complexes of
significant stability, with the Cu(I) complexes being by far
the weakest. For cyclic tetracationic complexes of
these four metal ions, optimal stability constants
are obtained with the 16- and 16-, 15-, and 14-membered
(continued)

The development of optimization of the fluorometric reaction rate method for determination of Ag is described in detail. The method is based on the enhancement by Ag of the reaction between oxime-sulfonic acid and persulfate. This technique provides a linear dynamic range of 6 ppb to 30 ppm for the trace determination of Ag. The relative standard deviation for the Ag analysis is typically less than 0.5%. A number of metals interfere with the technique. For the analysis of Ag in real samples, a diethylenetriamine procedure was developed to eliminate interferences and this procedure is applied to NBS Zn spelter samples.


Studies of the Al-OxSA system showed that the reaction is first order in both Al and OxSA and inverse 3/5 order in (N'). From these studies, a new kinetic method for Al was developed with a large dynamic linear range of 0.4 ppb-10 ppm and typical relative standard deviations of about 1%. Few metals interfere. The detection limit is considerably lower than that obtained with common techniques such as flame atomic absorption. About 25 analyses may be run per hour.

COMMUNICATIVE DISORDERS

Theodore Peters, Chairman


(For abstract see Sylvia Steiner)


The article discusses the major components of the infant communication program. The major components are: information dissemination; identification procedures; evaluation and program planning; and intervention procedures both home training and center-based programming.


Public school clinicians within the state of Wisconsin were surveyed as to the percentage of their caseloads consisting of voice disorders. The results indicated that voice disorders amounted to about 3.8% of the clinicians' caseloads. The survey also revealed that most public school clinicians felt inadequately prepared to deal with disorders of voice.


(For abstract see Sylvia Steiner)


(For abstract see Vicki Larson)


(For abstract, see Peter Mueller)


A four-component delivery model is described for development and implementation of a program to serve the EEN of the child between the ages of 3 and 5 years. Components of the model include: information dissemination; identification; evaluation and program planning; and intervention. The need for coordination and cooperation of all individuals involved in the delivery model is stressed. Information dissemination is viewed as the mechanism through which community awareness of the program develops. Community referral is suggested as the major mechanism for identification of children with EEN. Evaluation and program planning by the MCAE is the follow-up to identification procedures and serve as the basis for intervention appropriate to the child's needs. Intervention is viewed as the joint responsibility of all professionals involved in program implementation. It is suggested that the program include center-based and home-training aspects which are largely the responsibility of a speech and language clinician and an early childhood special education teacher. A combination of group and individual sessions is recommended for each child. Interrelationships among the components of the delivery model are emphasized.


Experiments were performed to examine changes in the intelligibility of temporarily interrupted sentences when white 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 additional, intelligibility of the interrupted sentences in the presence of intermittent noise varies with the S/N ratio.

Zenner, Anthony A., Journal of Fluency Disorders, Mr. Zenner is the founding editor of this continuing publication.
In April-June 1974 issue of the Bulletin of Bibliography and Magazine Notes, Professor Thomas Bonner, Jr. provided a useful bibliographical guide to "Mainstream" American literature in the Thirties. Although his bibliography included works by white critics about Black writers, Black writers were excluded from all the literary genres. This supplementary bibliography identified Black American writers who delineated aspects of the American experience in the Thirties which were overlooked or ignored by white writers.

Last, Ellen, "Virginia Woolf," a 1-credit course module for UW-Extension.


In harmony with such writers as St. Bernard of Clairvaux in the Middle Ages and Spenser and Jacob Boehme in the Renaissance, Browning's "Saul" makes use of Christian mysticism with its two-fold stress on Christo-centric and Theocentric contemplation. Using Christo-centric contemplation with its emphasis on the "sacred mystery" of Christ in Stanzas 17 and 18, David appeals to Saul on the basis of Christ the Man who is a supernatural sufferer for man's salvation. These stanzas also fuse Christo-centric contemplation with David's Theocentric contemplation and its emphasis on the soul's ascent to God from beauty in nature. The use of Theocentric contemplation in many of the first fifteen stanzas prepares for the climactic stanzas. Through use of Theocentric contemplation David is able to restore Saul's interest in this life, but can enlighten the king only with the vision of Christ, fusing Theocentric and Christo-centric types of contemplation. David's feelings of vagueness relate to his role as mystic, not prophet, and must not be mistaken for theological vagueness on Browning's part. "Saul's" theological meaning is clear, consistent, and mystical; mysticism unifies the structure and increases the poem's powerful emotional appeal.

**GEOLOGY**

Ronald Willis, Chairman


Caves occurring in the horizontal limestone of the Cumberland Plateau in northern Alabama are classified as "simple" or "complex," based on factors of size, depth and multi-level and parallel passage development. The locations of these caves are examined relative to nine lineaments visible on aerial photography and satellite imagery of the area. The predominant trends of NW-SE and N-S are visible in the lineaments and in the orientation of re-entrant valleys of the Plateau.

**GEOGRAPHY**

J. Brady Foutr, Chairman


American farms and ranches are providing temporary retreat from cities by offering overnight vacation opportunities. Mail questionnaires and field interviews were used to collect data on 257 rural recreation operators and 597 rural vacation families. Farm and ranch vacationers resided predominantly in metropolitan areas and stayed in a few nationally known recreation spots. Proximity, familiarity with dude ranches and vacation forms, and the appeal of the cowboy and farm cultures accounted for the magnitude and direction of vacation flows.


Three theoretical perspectives are outlined and applied to the world population problem. The conservative, liberal, and radical paradigms are outlined in general, and specifically related to three fundamentally different explanations for the so-called overpopulation problem.


The quality and quantity of prime farmland lost around metropolitan areas is being subsidized by federal laws, increasing the price of produce, and decreasing the quality of fruits and vegetables. Federal programs are also subsidizing the creation of new farmland by draining wetlands, dry farming techniques, and irrigation farming. Consumers at the local, state, and world scale are losing, while land developers and farmers away from metropolitan centers are gaining with these programs. In total, this situation cannot continue before we all lose.


The effectiveness of Illinois' differential assessment of farmland in the Chicago metropolitan area was examined. Many of the beneficiaries were land speculators, absentee owners, and raising horses, while receiving substantial property tax reductions. Land was zoned for urban uses, and poor quality land was also receiving lower taxing. The most threatened farmland in the Chicago area was not being protected by this state legislation.


Teachers need to ask themselves questions about their teaching: what are their goals, what format is best to achieve these, what do students think about their methods? Video-tapes of classroom instruction were used to encourage discussion of these and other questions at the workshop.


Cultural geography has been the least influenced by the new wave of Marxist analysis. Valuable contributions can be made by a radical analysis of the traditional field of cultural geography. Graduate students have a challenge in this field, in order to advance geography in general and to lift cultural geography out of its present backwaters.

JOURNALISM

Elwood Karvand, Chairman


The author reports on the legal status of commercial speech from the Supreme Court's 1942 ruling in the Christmas tree case to the 1975 Bigelow decision. The report indicates confusion and inconsistency in the courts, marked by rulings which have ranged from acknowledging no constitutional protection, to those according full First Amendment protection.

Luebke, Barbara F., "The VDT Manual," Handbook/Distributed to editing students/School of Journalism, Univ. of Missouri, Columbia MO.

The VDT Manual is an instruction manual prepared for use by Journalism students at the University of Missouri. It is designed to help them learn to operate the Hendrix video display terminals used for reporting and editing.

MATHEMATICS

Lawrence Wahltstrom, Chairman


In this publication conditions are established which indicate when a topological manifold has the monotone union property. A monotone intersection property is defined and its relationship to the monotone union property are investigated. A major result is that if a topological manifold has the monotone intersection property, then it also has the monotone union property.


The infinite geometric series $\frac{1}{q} + \frac{q}{q^2} + \frac{q^2}{q^3} + \ldots$ plays a key role in almost every branch of mathematics. In this article a geometric construction of this series is suggested, from which various aspects of the series' convergence can be studied graphically. In particular, it is shown how the sum of the series, $1/(1-q)$, varies with the quotient $q$, especially near the singular points $q=0$ and $q=1$. The construction is based on the substitution $x=q^k$, which transforms the series into a trigonometric identity.

(continued)

The identity \( \sin \theta + \cos \frac{\theta}{2} \cdot \cos \frac{\theta}{2} \cdot \cos \theta \) is one of the very few examples of infinite products in elementary mathematics. It is little known and not found in any of the standard texts. The identity is of considerable historical value: it is the first known case of an infinite process that has been written in analytic form as a succession of algebraic operations. A proof of the identity is given, as well as two geometric interpretations and a physical problem from statics that involves this identity.


Apart from the well known arithmetic and geometric means, there are other types of means that the student often encounters, but seldom appreciates their significance. This article discusses five different means: the arithmetic, geometric, harmonic, root-mean-square, and harmonic root-mean-square means, and establishes the order relations that exist among these means. Also discussed are some physical situations which give rise to these means. A generalization that enables one to get a continuous spectrum of means is then established.

Stetzer, Deloyd E., and Joseph L. Teeters, "Dual Concepts - Graphing With Lines (Points)," The Mathematics Teacher, Volume 70 Number 9, December 1977, pp 726-731.

A nontraditional treatment of graphing equations which enables the reader to enhance his understanding of the concepts involved in the principle of planar duality. The principle of planar duality states that in a projective plane every properly worded valid statement concerning incidences of points and lines gives rise to a second valid statement when the words point and line are interchanged.

The emergence of the duality concept occur when the reader compares the traditional method of graphing with the non-traditional method.

Teeters, Joseph L. and Deloyd E. Stetzer, "Dual Concepts - Graphing With Lines (Points)," The Mathematics Teacher, Volume 70 Number 9, December 1977, pp 326-731.

(For abstract, see Stetzer, Deloyd)


A discussion of various geometrical principles which enable the reader to create his or her own tessellation art.

MUSIC

M. M. Schlake, Chairman


In this article the writer discusses the need for a positive concert attitude with respect to student (contestant) and director. Emphasis is placed on the value of the adjudicators' comments for reinforcing the director's expectations during preparation. Contests are discussed as that which represents the highest level of learning (evaluation). The writer stresses the continued need for positive attitudes and positive reinforcement of contest results.


In this article the writer discusses the future of music in higher education. Included, is the need to place more emphasis on music for the general student for becoming future consumers of music. Wisconsin's Chapter 90-Music Standards is related to these needs. Another issue involves the decline of enrollment in colleges and universities due to the birth rate decline. The article emphasizes quality music education regardless of level, more sophisticated evaluation of programs for the music professional and offerings for the general student.


This is a regular publication to be submitted for each issue by the current President of the Great Lakes Region of the National Association for Music Therapy, Inc. These articles contained matters of concern with regard to the organization, professional progress, finances, and relationships between music therapy and other professional disciplines.

PHILOSOPHY & RELIGIOUS STUDIES

Philip Griffin, Chairman


When menstruation and childbirth are studied with an androcentric methodology, one finds that they are much more significant than androcentric scholars had imagined. They are major rituals for women and provide the symbolic base of many men's rituals.


A short definition of androcentry and androcentric methodologies in the cross-cultural comparative study of religion and a discussion of specific ways in which an androcentric method corrects the errors of an androcentric method.


A collection of new essays which explores the methodological implications of women's studies in the field of religious studies and presents essays of research informed by the new feminist methodology.


This essay seeks to isolate and explore the dominant themes within the Jewish-Christian dialogue as Niebuhr conceived them.

PHYSICS

Philip Chute, Chairman


With two audio generators and two inexpensive loudspeakers the following phenomena are easy to demonstrate: change of tonal quality due to diffraction, change of tonal quality due to interference and its relation to binaural hearing, and difference tone production by the human hearing mechanism at high intensities.

A pair of capacitance-coupled LC circuits demonstrates the same sort of coupled-oscillatory behavior as is usually illustrated only with pendulums in physics classes. The use of such electrical circuits shows the student that normal modes exist in something other than mechanical systems, allows one to vary the degree of coupling much more easily than with pendulums, and also makes it possible to show the correlation between normal modes and resonance in the presence of a periodic driving force.


We report 2.8-cm observations of Markarian 421 (IR 110±38). During the two-year period covered by our observations, Markarian 421 has been seen to vary in intensity from a low of 571 mJy to a maximum of 787 mJy. Table I is a journal of our observations, which were taken with the 46-m parabola of the Algonquin Radio Observatory.

POLITICAL SCIENCE
Robert Gibbon, Chairman


PSYCHOLOGY
Barbara Loser, Chairman


Recent investigations of the history of social psychology demonstrate that the internal development of theory, methods and research cannot be separated from the social context in which they occur. Instead, these developments reflect a dialectical exchange between science and society. The present paper reviews recent studies of social psychology's historical development; points out the inadequacies of traditional views of our history as a progression from metaphysical speculations to scientific experimentation; and discusses the implications of critical history for our "current crises."


Reviews three years of authors research which suggest career decision-making is quasi-rational rather than purely systematic or logical. Situational pressures preclude fully rational planning. Based on a survey of college students and alumni it is argued that career counselors should give more weight to the social context of work as it affects career thinking. Helping students cope with irreducible uncertainty may be more helpful than providing logical career plans.


In two studies first grade children drew a picture both before and after they had heard a story about a child or children drawing particular objects. The results suggest evidence of imitation from the story content. Sex of the protagonist in the story had no effect on the subjects' responses. However, there was evidence suggesting that the sex-typing of the behavior of the protagonist in the story affected the children's responses.


In four different experiments, brief illumination of a localized visual stimulus was followed by grain presentation unless the pigeon approached the light. The results of the four experiments indicate that although response-reinforcer relations do play a role, stimulus-reinforcer contingencies are the dominant factor establishing and maintaining approaches to the CS. An explanation of autohanging based on presumed adventitious reinforcement of prepecking behaviors was not supported by the present findings.


The objectives of this research were to identify long-range predictors of social adjustment and to determine the multiple correlation between these predictors and the social adjustment of children after 6 or 9 years had elapsed. The subjects were 536 children who were first evaluated in third or sixth grade and for whom social adjustment was assessed either 6 or 9 years later. A multiple correlation of .66 for a best set of predictors was found. Significant predictors included classroom behavior traits, arithmetic achievement level, response to a sentence completion test, rating of the parents' marital relationship, and maternal discipline. These findings are discussed in the light of early identification and treatment of children likely to experience subsequent social maladjustment.

SOCIAL WORK
David Johnson, Chairman


Evaluative researchers use the cues of clearly defined scientific thinking to determine the relative effectiveness of different social programs. Such programs include various approaches to rehabilitating criminal offenders, preventing child abuse, training those on welfare for occupations, and so on. Those who do evaluative research frequently encounter pressure to find positive or negative results, depending upon which interest group is threatened or supported by the potential results of the research.

Evaluators might be more able to resist such pressures, and to protect their credibility, if an explicit list of standards for the researcher's conduct were available, but no code has been devised to meet the needs of evaluators. In order to develop such a code, with

continued
the support of the editors, a tearout post-paid questionnaire has been placed in Evaluation magazine. This questionnaire concerns ethical conduct of evaluators, source of pressure to alter findings, and points that evaluators may think should be included in an ethical code. A content analysis of the questionnaire's returns will be reported in the next issue of Evaluation.

SOCIOLOGY

J. Kenneth Davidson, Sr., Chairman


This study utilized an axiomatic approach to develop a middle-range theory of premarital sexual intercourse. A review of relevant empirical research resulted in a propositional inventory which was used in developing 22 testable propositions about premarital sexual intercourse among females. Using an unanalyzed data base of 336 never-married coeds in a southern college and in a southern medical complex, 15 propositions were either statistically significant or in the stated direction. Through the use of reference group-exchange theory, six derived propositions were developed by the process of induction.


Attitudes toward one's first sexual experience are reviewed. Differences between males and females are contrasted.


The prevalence of premarital sexual intercourse among persons who are emotionally committed is explored. Women appear to be more interested in love as a prerequisite for sexual involvement than men.


This booklet is part of a project to clarify the role of the teaching professor. The typological analysis is shown in a separate paper. Nonetheless, the booklet illustrates principles in the analysis. The college or university class is conceptualized as a collective enterprise with commitments to active scholarship. A class taught during the Fall Semester in 1976 is featured. The content includes: pictures of the students in the classroom, biographies originally written as class lectures; selections from classroom work: charts, summaries of discussion, lectures, and student papers; comments drawn from the teaching professor's daily journal covering every class session during the semester; ideas from another journal that present the professor's affirmations and criticisms; examination questions used to test student performances; and a note on how to answer short-answer questions.

Lower, Deborah and Mark Kraln, "The Relation of Women's Career Commitment and Their Attitudes Regarding the Socialization of Children Into Sex Roles, Marital Role Relations and Marital Adjustment." Distributed through the ERE System.

Women's level of career-commitment in regard to the socialization of children into sex roles, marital adjustment, and husband and wife role relations is examined.


The presentation of Akwapsis Akan causal theory begins with an examination of the basic premises, the causal efficacy of the various spiritual beings and the mode of operation of what can be termed "automatic forces." The nature of the causal agents recognized and the way they operate are examined in detail, chiefly in the context of explanations given for misfortune, illness and death. Beliefs about illness, the categories of illness and the treatment administered are then discussed. This is followed by a discussion of the human ability to foresee and change events and the extent of individual responsibility for what occurs. The paper concludes with a consideration of the premises of Akan causal theory and the ways in which the system is protected from doubt.

The Akwapsis Akan are located in southeastern Ghana. The fieldwork upon which this article is based was conducted from June 1969 through August 1971 and June through August 1973.

SPEECH

Fred Whited, Chairman


The article presents a view of high school forensics from another perspective than that provided by Professor Grace Walsh in her article, "The Future of Forensics in Wisconsin." The views expressed are provided by a college Oral Interpretation teacher. Contrary to Miss Walsh's opinion, the writer sees a very healthy condition existing within Wisconsin high school forensics. In most cases, the factors which contribute to this condition are the following: freedom from unnecessary ranking of the students among their peers; a relatively unstructured critique form; and the opportunity for oral criticism. If improvements are to be made, the writer suggests they come in this later area, the oral criticism, by insuring that competent critics are provided for all events and by allowing ample time for oral criticism.

BUSINESS ADMINISTRATION

Stuart Allen, Acting Chairman

Baard, Harold W., Field Notes, Volume 76, No. 4, March-April 1977, pp.18-22

"LIFE UNDERWRITING AS A CAREER"

The difference between a job or occupation, as a means of earning a living, and a career, to which one devotes his or her life. "Being a part of something that will live on, after we are gone."

Field Notes, Volume 76, July-August, pp.27-10.

"FREEDOM OF THE PRESS"

An exposure of inaccurate, erroneous, and misleading information contained in some textbooks.

Field Notes, Volume 77, No. 1, September-October, pp.19-24.

"THE WHEEL OF FORTUNE SPINS"

A different approach to the explanation of the legal reserve, level premium, system of life insurance, based on the sum of the probabilities of death at each age, discounted to present values.


A review of current developments and future trends as seen by the author as they pertain to the concept of systems contracting, a physical distribution technique used in the sale of industrial supplies between vertically integrated distributors and their contractual customers.

Waadt, Fred, Keith Leitner, and Robert Carbaugh, "Analysis of Economic Conditions in the Eau Claire and Chippewa County Area," Eau Claire-Chippewa Economic Indicators, 3 issues, 4th quarter, '76, 1st and 2nd quarter, '77.

Economic data is systematically compiled and analyzed for Eau Claire and Chippewa counties on a regular basis. There are basically four steps involved in the preparation of the report: (1) selection of specific components to measure economic activity, (2) collection of the statistical data, (3) de-seasonalization, and (4) evaluation of the relative importance of each component.


The textbook contains drill material for developing the skill of typewriting. The textbook contains instructional material for business correspondence, tabulations, manuscripts/reports, and forms typewriting. In addition, the textbook contains office typewriting simulations and projects to be used in the development of production typewriting skills.


(For abstract, see La Barre, James)


BUCOMCI is a business communication simulation designed communications skills. The students who become "employees" of this fictitious organization are actively involved in speaking, writing, problem solving, and decision making. They deal directly with such common industry problems as information overload, lack of information, policy requests, and inaccurate data. They are asked to set priorities, delegate authority, and evaluate the performance of their co-workers. Students work together in teams (branched), and because the students' work may affect the work of another, there is added incentive to perform well. The real-world nature of the simulation exercise makes each student an active participant in the learning process rather than a passive producer of written assignments. The BUCOMCI simulation may be used with any standard business communication text.

Oxford, Lorraine, News and Views, Spring 1977


Elementary Education
Max Pooler, Chairman


Library Science & Media Education
Glenn Thompson, Chairman

Thompson, Glenn, "Don't Forget the Church Library!" Wisconsin Library Bulletin, Volume 73, November-December 1977, pp 277-278.

A plea to include church in the planning and implementation of information networks in Wisconsin.

Physical Education
Ida Hinz, Chairman

Weiser, William, Jr., Curtis, John D., Schockemohle, Barry, and Miller, Myron F., A Study Guide Workbook for First Aid and Personal Safety.

Mr. Weiser was recognized in the preface of this book as a collaborator dealing with specific problem solving situations as designed in this manual.

The book is designed to serve as a study guide, a review of factual first aid, and a means of stimulating students in applying first aid principles. An emphasis of the workbook is on assisting students to analyze emergency situations and to improve the understanding of the causes, seriousness, and care of injuries and illness.

Secondary & Continuing Education
Charles Larson, Chairman

Mikulecky, Larry and Anne E. Wolf, "Effect of Uninterrupted Sustained Silent Reading and of Reading Games on Changes in Secondary Students' Reading Attitudes," 30th Yearbook of the National Reading Conference, David Pearson, pp 126-130.

Nursing
Suzanne Van Ord, Dean


Nutritional or iron-deficiency anemia is the most common hematological disease of childhood. Because its prevention after the first six months of life depends on an adequate ingestion of iron-containing foods and a reduction in the intake of milk to one quart daily, a plan for weaning infants from bottle to cup is a nursing intervention of considerable significance. In addition to nutritional considerations, weaning has important developmental implications. The paper presents a rationale for weaning infants during the latter half of infancy based on hematological nutritional, and developmental principles. The plan is presented in detail and suggested methods of evaluation are included.
NON-DEPARTMENTAL


This is a cumulative author and subject index to all the issues of the journal, Studies in Black Literature, for the years 1970-1975, volumes 1-6.


Although an important concept, organizational effectiveness is difficult to define precisely. The authors compare three prevailing theoretical approaches to illustrate conceptual difficulties and analyze relative advantages and disadvantages. They also determine the degree to which the approaches can be used to develop a multidimensional framework. The purpose of the research was to study the effectiveness of local disaster organizations. Available data is used to illustrate the applicability of a multidimensional theoretical framework.

Previews, Volume 5, n.6, Feb. 1977, p.8.

This was a review of the 16mm film B.F. SKINNER AND BEHAVIOR CHANGE: RESEARCH, PRACTICE AND PROMISE distributed by Research Press.

Whooley, John and Max Poole, "Consideration and Selection of Goals and Objectives for IGE Schools," Association For Individually Guided Education, Volume 11, No. 1, Sorubg 1866w oo 3-9.

The theses of this article are two: first, the instructional outcome planning would occur at the district, school, and instructional or classroom levels and should relate to the major goals of American education. Second, instructional outcome planning at the instructional or classroom level should be a process of making more specific the general outcomes established at the school level. Those delineated at the school level should be based on and have resulted from an analysis of learner goals written at and providing direction for the entire school district.

The article also treats of the major goals of American education, the writing of goals and objectives, and lists sources of goals and objectives that teachers can use to facilitate their work.