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.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CURRENT PROJECTS, PROGRAMS, AND RESEARCH</td>
<td>58578.01</td>
</tr>
<tr>
<td>Allied Health</td>
<td>58578.01</td>
</tr>
<tr>
<td>Art</td>
<td>58578.01</td>
</tr>
<tr>
<td>Biology</td>
<td>58578.01</td>
</tr>
<tr>
<td>Business Administration</td>
<td>back of 58578.07</td>
</tr>
<tr>
<td>Chemistry</td>
<td>58578.02</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>back of 58578.02</td>
</tr>
<tr>
<td>Computer Science</td>
<td>58578.03</td>
</tr>
<tr>
<td>Economics</td>
<td>58578.03</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>58578.08</td>
</tr>
<tr>
<td>English</td>
<td>back of 58578.03</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>back of 58578.03</td>
</tr>
<tr>
<td>Geography</td>
<td>back of 58578.03</td>
</tr>
<tr>
<td>Geology</td>
<td>58578.04</td>
</tr>
<tr>
<td>History</td>
<td>58578.04</td>
</tr>
<tr>
<td>Journalism</td>
<td>58578.04</td>
</tr>
<tr>
<td>Mathematics</td>
<td>58578.04</td>
</tr>
<tr>
<td>Music</td>
<td>back of 58578.04</td>
</tr>
<tr>
<td>Nursing</td>
<td>back of 58578.08</td>
</tr>
<tr>
<td>Office Administration &amp; Business Education</td>
<td>58578.08</td>
</tr>
<tr>
<td>Philosophy &amp; Religious Studies</td>
<td>58578.06</td>
</tr>
<tr>
<td>Physical Education</td>
<td>back of 58578.08</td>
</tr>
<tr>
<td>Physics</td>
<td>back of 58578.06</td>
</tr>
<tr>
<td>Political Science</td>
<td>back of 58578.06</td>
</tr>
<tr>
<td>Psychology</td>
<td>back of 58578.06</td>
</tr>
<tr>
<td>Secondary Education</td>
<td>back of 58578.08</td>
</tr>
<tr>
<td>Social Work</td>
<td>58578.07</td>
</tr>
<tr>
<td>Sociology</td>
<td>back of 58578.07</td>
</tr>
<tr>
<td>Speech</td>
<td>back of 58578.07</td>
</tr>
<tr>
<td>Special Education</td>
<td>back of 58578.08</td>
</tr>
<tr>
<td>Non-Departmental</td>
<td>back of 58578.08</td>
</tr>
<tr>
<td>FACULTY PUBLICATIONS</td>
<td>58578.51</td>
</tr>
<tr>
<td>Accounting</td>
<td>58578.54</td>
</tr>
<tr>
<td>Biology</td>
<td>58578.51</td>
</tr>
<tr>
<td>Business Administration</td>
<td>58578.54</td>
</tr>
<tr>
<td>Chemistry</td>
<td>58578.51</td>
</tr>
<tr>
<td>Economics</td>
<td>back of 58578.51</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>back of 58578.54</td>
</tr>
<tr>
<td>English</td>
<td>back of 58578.51</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>back of 58578.51</td>
</tr>
<tr>
<td>Geography</td>
<td>58578.52</td>
</tr>
<tr>
<td>Geology</td>
<td>back of 58578.52</td>
</tr>
<tr>
<td>History</td>
<td>back of 58578.52</td>
</tr>
<tr>
<td>Journalism</td>
<td>back of 58578.52</td>
</tr>
</tbody>
</table>

continued over
<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>back of 58578.52</td>
</tr>
<tr>
<td>Music</td>
<td>58578.53</td>
</tr>
<tr>
<td>Nursing</td>
<td>58578.55</td>
</tr>
<tr>
<td>Office Administration &amp; Business Education</td>
<td>58578.54</td>
</tr>
<tr>
<td>Philosophy &amp; Religious Studies</td>
<td>58578.53</td>
</tr>
<tr>
<td>Physics</td>
<td>58578.53</td>
</tr>
<tr>
<td>Political Science</td>
<td>back of 58578.53</td>
</tr>
<tr>
<td>Psychology</td>
<td>back of 58578.53</td>
</tr>
<tr>
<td>Secondary Education</td>
<td>back of 58578.54</td>
</tr>
<tr>
<td>Social Work</td>
<td>back of 58578.53</td>
</tr>
<tr>
<td>Sociology</td>
<td>back of 58578.53</td>
</tr>
<tr>
<td>Special Education</td>
<td>back of 58578.54</td>
</tr>
<tr>
<td>Non-Departmental</td>
<td>58578.55</td>
</tr>
</tbody>
</table>
ALLIED HEALTH

John Gerberich, Chairman

1. Research and Investigation

Gerberich, John B.
Supervised Student: Steve J. Moser
Wisconsin Survey of Encephalitic-Carrying Mosquitoes
Funding: Departmental
Status: In Progress

3. Major Student Research

Kuhn, Carol L.
Supervised Student: John H. Olsen
The Relationship Between Job Satisfaction and Attrition Among Medical Technologists
Funding: Departmental
Status: Complete

Supervised Student: Laura Reed
Use of the College of American Pathologists Laboratory Workload Recording Method in Staffing Assessment. The Central problem of this study was to determine the extent to which laboratories were using this method in staffing assessment and the accuracy of that assessment through use of the survey as the research technique.
Funding: Departmental
Status: Complete

Supervised Student: Kenneth Johnson
A Probationary Program for Medical Technology Interns: An Investigation and Proposal
Funding: Departmental
Status: Complete

Collaborator: John Wholley
Supervised Student: John Akande
Curriculum Design for Clinical Instrumentation
The purpose of this paper was to design a curriculum for clinical instrumentation that would meet the minimum basic requirements for Medical Technology training programs.
Funding: None, other than personal
Status: Complete

Supervised Student: Donna Johnson
Job Satisfaction in Hospital Employed Medical Technologists
The problem of this study was to determine the extent of job satisfaction present in medical technologists employed in various sized hospitals throughout the United States, to ascertain the cause of any dissatisfaction, and to propose suggestions to assist employers in minimizing discontent.
Funding: Departmental
Status: Complete

7. Innovative Pedagogical Project

Decker, Gene P.
Collaborators: Donna Johnson
Basic Techniques of Laboratory Procedure Manual Construction. The goal of this program was to prepare laboratory professionals to write procedure manuals which will satisfy standards of certification and licensing agencies.
Funding: None, other than personal
Status: Complete

ART

Charles Campbell, Chairman

2. Artistic Production, Showing, or Recital

Benson, William
Recent works in Studio Production. William Benson exhibited recent works in a two-person exhibit in Foster Gallery in March, 1979
Funding: None, other than personal
Status: Complete

Supervised Students: Art Student Association
Student-community interaction through a city-wide two-day cultural celebration called "River City ArtScape," with outdoor exhibits and entertainment
Funding: Other: UAC Funding
Status: In progress

Campbell, Charles
Continuing exploration of landscape, still-life interpretations
Funding: None, other than personal
Status: In progress

Joslin, Richard
Artistic Production - Ceramics
Funding: None, other than personal
Status: In progress

Katrosits, Stephen R.
Painting Exhibition: Painting accepted in "Wisconsin 78" at Edna Carlsten Gallery, Stevens Point, October-November 1978
Funding: None, other than personal
Status: In progress

Raid, Tilt
A. Pattern Painting-Intuitive Approach
B. Colorful Portraits
C. Pattern Painting-Images from Reality as point of Departure.
Funding: None, other than personal
Status: In progress

continued
BIOLOGY
Marcus J. Fay, Chairman

1. Research and Investigation

Fay, Marcus J.
The Flora and Plant Communities of the Pigeon Lake Region, Rayfield County, Wisconsin
Funding: None, other than personal
Status: In progress

Font, William
Effect of concurrent infection of mice with Spirometra mansonioides and Schistosomatium doubititi. The infection of mice showed that although hormone-like activity was present due to weight gain in the mice, no effect on spermatogenesis was observed. Both infected and control mice produced similar number of spermatozoa.
Funding: University Research Grant
Status: Complete

A survey of the parasites of foxes in northwestern Wisconsin
Funding: Departmental
Status: Complete

Supervised Student: Susan Kuntz
Histopathology associated with pleroceroids of Spirometra mansonioides in Mus musculus
Funding: Departmental
Status: In progress

Supervised Student: Claire Birdell
Invasiveness of Basal Cell Carcinoma
Funding: None, other than personal
Status: In progress

Jones, Helena S.
Collaborator: Daniel L. Jones, M.D.
Site-specific instability in Drosophila melanogaster: The origin of the mutational and cytogenetic evidence for site specificity
Funding: University Research Grant
Status: Complete

Lim, Jinho
Funding: University Research Grant
Status: Complete

Marshall, Owen
Biological monitoring program to seven-mile creek adjacent to the Eau Claire Sanitary Landfill site
Funding: Other
Status: In progress

Saigo, Roy
Supervised Student: Jeff Carlson
A comparative ultrastructural investigation of a high-level protein nodule variety to a moderate-level protein nodule variety presented by Mr. Carlson at the 1979 National Tri-Nation meeting at Houston, Texas. No significant difference was found between the two nodule varieties. However, the amount of protein, lipids, and starch differed between the aleurone, subaleurone, and starchy indispersion.
Funding: University Research Grant
Status: Complete

Collaborator: David Peterson
"Protein Body Development in Gat Endosperm and Aleurone" - submitted for publication to Planta, 1979. The protein is formed differently in the endosperm and aleurone. The endosperm protein is produced in the endoplasmic reticulum whereas in the aleurone a plastid origin appears possible.
Funding: University Research Grant
Status: Complete

Sundberg, Marshall D.
A comparison of the ontogeny of the petal-stamen complex in the genus Cyclamen (Primulaceae)
Funding: University Research Grant
Status: In progress

Wittrock, Darwin
Ultrastructure of the prostate gland of the digenetic trematode Quinqueserialis quinqueserialis
Funding: University Research Grant
Status: In progress

3. Major Student Research

Foote, Kenneth G.
Supervised Student: Ron Welsh
Bryophytes of Eau Claire city parks
Funding: None, other than personal
Status: In progress

Snudden, Birdell M.
Supervised Student: Obed Odenemelam
Microbial quality of salad greens. Raw vegetables, mushrooms, and cole slaw purchased from commercial sources in the Eau Claire area were examined to determine their microbial load and assayed for potential pathogens.
Funding: Departmental
Status: Complete

Supervised Student: Michael Harden
The use of the Biochemical Oxygen Demand Test as an instructional tool in the secondary school. A statewide survey of high schools was conducted to determine the present usage of the B.O.D. test as an educational tool.
Funding: Departmental
Status: Complete

Supervised Student: Craig Meadows
A study of the prevalence of Yersinia enterocolitica in the waters of the Lower Mississippi River Valley
Funding: University Research Grant
Status: In progress

continued
7. Innovative Pedagogical Project

Sunberg, Marshall D.
Laboratory exercise in plant biorthymes

Funding: None, other than personal
Status: In progress

Berglund, Donna L.
Preparation, identification by elemental analysis, and structural characterization of Nickel Coordination Complexes

Funding: University Research Grant
Status: In progress

Bowers, Delores
Supervised Students: Deborah Eshar, Colleen Hilber
Characterization of lysimeter leachate and paper mill sludge attenuated effluent. This study compared the composition of lysimeter leachate with the composition of effluent from a column packed with paper mill sludge to which the leachate has been applied.

Campbell, Donald L.
Collaborator: Dean P. Nelson
Attenuation of pollutants from landfill leachates by sandy soils

Funding: University Research Grant
Status: In progress

Chenier, Philip J.
Supervised Students: Gordon Schminton, J. H. G. Hulden, Todd Jenson, Kazumasa Toyoda
A novel synthesis of B-Carbollines

Funding: University Research Grant
Status: In progress

Duerst, Richard
Collaborator: R. L. Hilderbrand
Supervised Students: Bruce Howard, Jim Brandes
Hydrogen bonds - electron diffraction study

Funding: University Research Grant
Status: In progress

Collaborator: Dr. C. J. Seliskar
Supervised Students: Mike Freeburg, Nick Menasie
Synthesis and analysis of hydrogen bonded systems by infrared spectroscopy

Funding: University Research Grant
Status: In progress

Supervised Student: Hendra Harapan
Methyl vinyl ether conformers

Funding: University Research Grant
Status: In progress

Collaborator: E. B. Wilson, Jr.
Supervised Students: Chuck Poskle, Dan Hsu, Linda Araki, Joyce Breitwasser, Nick Menasie
Hydrogen bonds II. Synthesis and characterization of malonaldehyde and related compounds

Funding: University Research Grant
Status: In progress

continued
Gleeter, Melvin E.
A continuing study of the environmental quality of the water in Half-Moon Lake
Funding: Departmental
Status: In progress

Groutas, William
Collaborator: P. S. Portoghese
Supervised Students: David Magnin, David Felker
Synthetic, stereochemical and biological studies in the 5-methylmethylene series
Funding: None, other than personal
Status: In progress

Supervised Students: David Magnin, David Felker
Synthesis of aromatic alpha-methylene lactones
Funding: University Research Grant
Status: In progress

Supervised Student: Kathy Harris
Synthesis of bioactive compounds derived from alpha-methylene lactones and 6-mercaptopurine and thioguanine
Funding: University Research Grant
Status: In progress

Supervised Student: Terry Gaynor
Synthesis of bioactive compounds from maleimycin
Funding: None, other than personal
Status: In progress

Nelson, Dean
Supervised Student: Sue Thibeudeau
Attenuation of leachate by sandy soils
Funding: Departmental
Status: In progress

Tanaka, Wesley
Supervised Student: Tim Steinmetz
Control of protein synthesis in developing brine shrimp
Funding: University Research Grant
Status: In progress

Wilson, Robert
Supervised Students: Mark Steinmetz, Linda Briski
Study of kinetics of the amphetamine-isatin, aurein and NBD-chloride reactions
Funding: University Research Grant
Status: In progress

7. Innovative Pedagogical Project
Klink, Joel R.
A multi-method approach to the teaching of organic chemistry
Funding: Other
Status: In progress

Marking, Ralph
Supervised Student: Marv Tegen
Modifications to the student investigation of the reaction between peroxysulfate and iodide ion
Funding: Departmental
Status: In progress

Plantelewicz, John
Implementation of TIPS (Teaching Information Processing System). A computer program has been installed on the Burroughs 5700 computer that can be used for evaluating computer graded quizzes, timing individual study assignments based on quiz results, and summarizing student progress towards course objectives.
Funding: Other
Status: Complete

Vicki Larson, Chairman

1. Research and Investigation
Larson, Vicki
Collaborators: Nancy Boyce, Sylvia Steiner
Sex stereotyping in language and intervention materials
Funding: None, other than personal
Status: In progress

Mueller, Peter B.
Communicative disorders in a geriatric population: a survey. Incidence data of disorders of communication of residents of a large extended care facility were acquired by means of a survey. Judgments were made as to what percentage of the population surveyed could benefit from speech pathology and/or audiology services. Manpower needs in the area of geriatric speech pathology and audiology were also estimated from the results of a questionnaire.
Funding: University Research Grant
Status: Complete

A tape striation counting method for determining fundamental frequency. Mean fundamental frequencies of male and female subjects obtained with FLORIDA 1 and a tape striation counting procedure were compared.
Funding: None, other than personal
Status: Complete

Stetholaryngoscopy: A new tool in vocal diagnosis and treatment
Funding: None, other than personal
Status: In progress

Collaborator: Clayton Wilcox
The effects of marijuana smoking on the vocal mechanism and voice production
Funding: None, other than personal
Status: In progress

continued
Steiner, Sylvia
Follow-up survey of graduates from CDIS Master's Degree Program - program evaluation
Funding: Departmental
Status: In progress
Relationship between faculty and graduated student evaluations of CDIS graduate program
Funding: Departmental
Status: In progress
Collaborators: Nancy Boyce
Vicki Larson
Sexual Stereotypes in instructional materials
Funding: Departmental
Status: In progress
Survey of need for continuing education in CDIS.
Funding: Departmental
Status: Complete
Wilcox, J. Clayton
Collaborator: Peter B. Mueller
The effects of marijuana smoking upon the vocal mechanism and voice production
Funding: None, other than personal
Status: In progress
6. Program with Federal or Foundation Support
Peters, Theodore J.
Collaborator: Barry Guitar
An integration of traditional and behavioral modification therapies for stuttering
Funding: Foundation
Status: In progress
7. Innovative Pedagogical Project
Margaret McMillen
Supervised Student: Carrie Thoe
Language intervention in two model adult day activity centers: resources and methods
Funding: None, other than personal
Status: In progress
ECONOMICS
Donald Ellickson, Chairman
1. Research and Investigation
Carbaugh, Robert
Collaborator: Keith Leitner
Community development: estimation of the demand for community projects. This paper considers
community development for Cumberland, Wisconsin.
Funding: Other
Status: Complete
Collaborator: Darwin Wassink
Reference prices: effect on national welfare and efficiency
Funding: None, other than personal
Status: In progress
International Economics (book)
Funding: None, other than personal
Status: In progress
Wassink, Darwin
Collaborator: Robert Carbaugh
Reference prices: effect on national welfare and efficiency
Funding: None, other than personal
Status: In progress
Young, Edward G.
Collaborators: Gregory C. Weeks
Darwin Wassink
Job Development and Financial Resource Study of Clark County, Wisconsin. A study to increase the
employment opportunities in Clark County. The study examined human resources, financial
resources, natural resources, and business needs. Based on the results of the study the CCJDC is
trying to help business firms start up or expand.
Funding: Clark County Job Development Council from Governor's CETA funds.
Status: Complete
4. Dissertation Research
Reitler, Diann
Dissertation "Municipal Debt and Legal Institutions"
Funding: None, other than personal
Status: In progress
5. Institutional Study
Oyen, Duane B.
Collaborator: Robert Carbaugh
The Effect of a +/- Grading System on G.P.A. at UW-Eau Claire.
Funding: None, other than personal
Status: In progress
continued
CURRENT PROJECTS, PROGRAMS, AND RESEARCH 1978 (continued)

ENGLISH
Douglas Pearson, Chairman

1. Research and Investigation

Arata, Esther
Supervised Student: Barbara Erickson
An historical French novel
Funding: None, other than personal
Status: In progress

Fairbanks, Carol
"Margaret Atwood: A Bibliography of Criticism" (for publication in April-June 1979 Bulletin of Bibliography). This is a bibliography of criticism of the novels, short stories, and poetry of the contemporary Canadian writer Margaret Atwood.
Funding: None, other than personal
Status: Complete

Morris, Elizabeth G.
The Common Topics of the New Rhetoric
Funding: None, other than personal
Status: In progress

2. Artistic Production, Showing, or Recital

Lindquist, Wayne P.
A New Face (a mystery novel set in Europe)
Funding: None, other than personal
Status: In progress

3. Dissertation Research

Alexander, Robert R.
Gerard Manly Hopkins: "The Music That Makes him Modern." Where visual reality can be transposed into music, then we can talk about the music of Hopkins' poetry at its modernity.
Funding: None, other than personal
Status: Complete

Shoan, Jeffrey A.
"The Children's Plays of Marston, Chapman, and Middleton, 1600-1605." The role of the surrogate dramatist in the private theater plays of Marston, Chapman, and Middleton is examined.
Funding: None, other than personal
Status: Complete

4. Program with Federal or Foundation Support

Wolf, Lorraine W., and Carol Fairbanks
International Women Writers Project
Funding: Federal/State; Foundation
Status: In progress

5. Innovative Pedagogical Project

Clark, Wilma J., Nan Dougherty, Ellen Last, and others
Writing in Every Classroom: A workshop for all teachers, K-12
Funding: Other
Status: In progress

Dougherty, Nan F., and John Whooley
Peer-Assisted Teaching Improvement Project
Funding: Other - Central Administration
Status: In progress

FOREIGN LANGUAGE
Vernon Gingerich, Chairman

1. Research and Investigation

O'Connor, Edith
Collaborator: Barbara Rolland
Martin Meyer
Second Edition of beginning French textbook
Funding: None, other than personal
Status: Complete

Poitzsch, Manfred
Schiller's dramatic trilogy Wallenstein - as a one credit "special topics" (99L, A & S) course project
Funding: None, other than personal
Status: In progress

GEOGRAPHY
J. Brady Foust, Chairman

1. Research and Investigation

Foust, J. Brady
Collaborator: D. R. deSouza
Spreads and Backwash Effects in the Wisconsin Urban System
Funding: Federal
Status: In progress

7. Innovative Pedagogical Project

Palm, Richard S.
Collaborator: Anthony R. deSouza
Wisconsin Weather
Funding: None, other than personal
Status: In progress

Copyright © 1978 University of Wisconsin-Madison
3. Major Student Research

Mickel, Ronald E.
Supervised Student: Kathryn Gilbert Rank
"Women and Prohibition in Milwaukee." The women involved in the movement for prohibition in the early twenty-first century in Milwaukee were overwhelmingly of a middle-class, white, Protestant background. They faced much opposition in an ethnically diverse city. In the end, they had no significant influence on the attitudes of people in Milwaukee toward alcohol.

Funding: None, other than personal
Status: Complete

4. Dissertation Research

Miller, Thomas
"The Perception of the Family in Early Modern Germany"

Funding: None, other than personal
Status: In progress

JOURNALISM
Elwood Karwand, Chairman

3. Major Student Research

Polk, Leslie
Supervised Student: Kathy Janich
"The Evolution of Dramatic Criticism: Theory and Purpose; How the Critic Redresses the Balance Between Drama and Audience. A study of the nature of drama criticism, its theories, its purposes (expressionistic, interpretive, journalistic, evaluative, educational) with a chronological overview of the field citing major critics through three centuries of time, with bibliographic references and footnotes that can serve as an original compilation of material for study purposes."

Funding: None, other than personal
Status: Complete

4. Dissertation Research

Luebke, Barbara F.
American Indian press history

Funding: None, other than personal
Status: In progress

MATHEMATICS
Lawrence Whistrom, Chairman

1. Research and Investigation

Bierman, Orville L.
Examples of manifolds with the monotone union property

Funding: None, other than personal
Status: In progress
Lund, David
Monte Carlo investigations into the distributions of ordered linear unbiased minimum variance estimators for a class of power distributions
Funding: None, other than personal
Status: In progress

Teeters, Joseph L.
Tessellation (plane filling) regions and space filling limit surfaces
Funding: None, other than personal
Status: In progress

7. Innovative Pedagogical Project

Blanchard, Paul
Visualization of some basic concepts of calculus by movie animation
Funding: None, other than personal
Status: In progress

Gatter, Elroy
"Modular Approach to Statistics"
Funding: Other
Status: In progress

Maor, Eli
A Children's Summer Course with the TI-57 Programmable Calculator. This was one of the first experiments in this country in teaching young children programming concepts with the programmable calculator. Each child used his/her own calculator, thus avoiding many of the frustrations seen at a shared computer terminal. The programmable calculator enabled the children to learn and grasp concepts from higher mathematics, such as number progressions, infinity, limits, and more.
Funding: Foundation
Status: Complete

"Is There Life Elsewhere in the Universe?" This article was submitted to the 1978 Aharon Katzir contest for the Promotion of Popular & Journalistic Science Writing and received the second award. It describes the prospects of finding any forms of life in our galaxy and discusses the possibilities of establishing radio communication with extraterrestrial civilizations, if and when we discover them.
Funding: None, other than personal
Status: Complete

MUSIC
Hilton Schinke, Chairman

1. Research and Investigation
Bruner, G. Edward
Missa Beata Virgine of late 16th century Spain
Funding: Other
Status: In progress

Hayes, Morris D.
"Choral Music Recommended by Morris Hayes"
Funding: Other
Status: In progress

Lunde, Namette
50 Variations for Harpsichord by J. G. Wernicke.
Funding: None, other than personal
Status: In Progress

2. Artistic Production, Showing, or Recital
Bruner, G. Edward
University Women's Chorus - Frauen Kantorei tour to Neenah and Green Bay, fall, 1978.
Funding: Departmental
Status: Complete

University Women's Chorus - concert, spring, 1978.
Funding: Departmental
Status: Complete

University Women's Chorus - concert, fall, 1978.
Funding: Departmental
Status: Complete

University Women's Chorus - Premier - Carlos Surinach: Medieval Celebraciones, spring, 1978.
Funding: Departmental
Status: Complete

Funding: Departmental
Status: Complete

University Oratorio Chorus - Haydn - Creation, spring, 1978.
Funding: Departmental
Status: Complete

University Oratorio Chorus - Vivaldi - Magnificat, fall, 1978.
Funding: Departmental
Status: Complete

Funding: Departmental
Status: Complete

Funding: Other
Status: Complete

Funding: Other
Status: Complete

Funding: Other
Status: Complete
Funding: Other
Status: Complete

Northwestern Education Association (Clinic), Eau Claire, spring, 1978.
Funding: Other
Status: Complete

Funding: Other
Status: Complete

St. Louis Metropolitan Choral Clinic, St. Louis, Missouri; spring, 1978.
Funding: Other
Status: Complete

Cecchini, Penelope
Collaborator: Paul Kosower
Funding: None, other than personal
Status: Complete

Collaborator: Paul Kosower
Cello-Piano Duo Recital, Gantner Concert Hall, March 8, 1978.
Funding: None, other than personal
Status: Complete

Collaborator: Paul Kosower
Tenth Annual Contemporary Music Symposium, Gantner Concert Hall, April 27, 1978.
Funding: Departmental
Status: Complete

Collaborator: Paul Kosower
Cello-Piano Duo Recital, UW Center-Fond du Lac, October 17, 1978.
Funding: Other
Status: Complete

Collaborator: Paul Kosower
Cello-Piano Duo Recital, Gantner Concert Hall, September 27, 1978.
Funding: None, other than personal
Status: Complete

Collaborator: Paul Kosower
Cello-Piano Duo Recital, UW Center- Marinette County, November 17, 1978.
Funding: Other
Status: Complete

Collaborator: Paul Kosower
Funding: Other
Status: Complete

Supervised Student: Mark Spicer
Senior Recital, Gantner Concert Hall, October 16, 1978.
Funding: None, other than personal
Status: Complete

Collaborator: Lyn-Berg
Faculty Recital, Gantner Concert Hall, November 6, 1978.
Funding: None, other than personal
Status: Complete

Collaborator: Lynn Berg
Faculty Piano Recital, Gantner Concert Hall, September 10, 1978.
Funding: None, other than personal
Status: Complete

Cogswell, Walter G.
Funding: None, other than personal
Status: Complete

Collaborator: Lynn Berg
Funding: None, other than personal
Status: Complete

Hohmann, Rupert
Funding: Departmental
Status: Complete

Collaborator: Lynn Berg
University Symphony Orchestra - None Concert, Gantner Concert Hall, November 12, 1978.
Funding: Departmental
Status: Complete

University Orchestra Tour - 6 performances - Waukesha, Milwaukee, Kenosha, Racine, Madison; November 1-3, 1978.
Funding: Departmental
Status: Complete

continued
Concertus Symphonia - performed on violin with University Oratorio Society, Gantner Concert Hall, October 8, 1978.
Funding: Departmental
Status: Complete

University Orchestra - Brown Bag Concert, University Arena, May 1, 1978.
Funding: Federal
Status: Complete

University Orchestra and Chorus - Haydn - The Creation, University Arena, April 30, 1978.
Funding: Departmental
Status: Complete

University Orchestra - Viennese Ball, Davies Center, April 15, 1978.
Funding: Departmental
Status: Complete

University Symphony Orchestra Concert, Gantner Concert Hall, April 23, 1978.
Funding: Departmental
Status: Complete

Funding: Departmental
Status: Complete

Faculty Piano Trio (Violin), Gantner Concert Hall, January 26, 1978.
Funding: Departmental
Status: Complete

Kosower, Paul R.
Cello Concert (Piano Trio), Gantner Hall, January 25, 1978.
Funding: None, other than personal
Status: Complete

Funding: Other
Status: Complete

Cello Concert, Mount Senario College, March 5, 1978.
Funding: Other
Status: Complete

Cello Concert, UW-Eau Claire, March 8, 1978.
Funding: None, other than personal
Status: Complete

University Chamber Orchestra - Spring Concert, March 12, 1978 (Conductor)
Funding: None, other than personal
Status: Complete

Dedication Organ Recital, Colfax Lutheran Church, Colfax, Wisconsin; April 23, 1978.
Funding: Other
Status: Complete

Organ Recital, First Lutheran Church, Eau Claire, May 7, 1978.
Funding: None, other than personal
Status: Complete

Cello Solo, April 27, 1978 - Contemporary Symposium.
Funding: None, other than personal
Status: Complete

Chamber Orchestra Concert, May 7, 1978 (Conductor).
Funding: None, other than personal
Status: Complete

Cello Recital, UW-Eau Claire, September 27, 1978.
Funding: None, other than personal
Status: Complete

Funding: Other
Status: Complete

University Chamber Orchestra Tour (Duluth, Superior, and Eau Claire), October 9-15, 1978 (Conductor).
Funding: None, other than personal
Status: Complete

Cello Concert, UW Center-Fond du Lac, October 17, 1978.
Funding: Other
Status: Complete

Cello Concert, UW Center-Marinette, November 17, 1978.
Funding: Other
Status: Complete

Christmas Concert, First Lutheran Church, Eau Claire, December 16, 1978 (Conductor).
Funding: Other
Status: Complete

Lunde, Ivar Jr.
Collaborator: Nanette Lunde
Harpsichord/Oboe Recital, Luther College, Decorah, Iowa; September 15, 1978.
Funding: Other
Status: Complete

Collaborators: Nancy Rice, Nanette Lunde, Karen Teigen
Faculty Recital, Gantner Concert Hall, October 1, 1978.
Funding: Departmental
Status: Complete

Lunde, Nanette G.
Funding: None, other than personal
Status: Complete

continued
<table>
<thead>
<tr>
<th>Collaborator</th>
<th>Project Description</th>
<th>Funding</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ivar Lunde, Jr.</td>
<td>Harpsichord/Oboe Recital, Luther College, Decorah, Iowa; September 15, 1978.</td>
<td>Other</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Harpsichord Recital, UW-Eau Claire, February 19, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td>Merlin Lehman</td>
<td>Lecture Recital: The Flute Clock Music of Haydn, Mozart, and Beethoven, Indian Hill Church, Cincinnati, Ohio; May 28, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td>Nancy Rice</td>
<td>Lenten Organ Recital, First Presbyterian Church, Deerfield, Illinois; March 22, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td>James Rauscher</td>
<td>Supervised Student: James Rauscher, Senior Recital (Piano), October 2, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Faculty Recital, October 1, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Faculty Recital, November 12, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td>Beverly Dick</td>
<td>Collaborator: Ivar Lunde, Jr.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Faculty Recital, March 27, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td>Rodney Hudson</td>
<td>Collaborator: Rodney Hudson</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Faculty Recital, March 27, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Supervised Student: James Rauscher, Junior Recital (Piano), February 20, 1978.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Suzuki, M. Michael</td>
<td>Departmental</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Faculty Recital, January 26, 1978.</td>
<td>Foundation</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Billings Symphony Season Guest Artist Concert, Billings, Montana; October 22, 1978.</td>
<td>Foundation</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>&quot;Men and the Night Visitors,&quot; Twin Cities, December 21, 22, 23.</td>
<td>Foundation</td>
<td>Complete</td>
</tr>
<tr>
<td>Edwin L. Smith</td>
<td>Supervised Student: Wolfgang Cahnin</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>The State of Music in the Roman Catholic Church: an Analysis and a Proposal</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Czech Chamber Music Festival</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Piano Clinic for Junior and Senior High School Students, July 16-22, 1978.</td>
<td>Other: UW-Eau Claire Extension Arts Development</td>
<td>Complete</td>
</tr>
<tr>
<td>James Clute</td>
<td>Supervised Student: Margaret Staal</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
<tr>
<td></td>
<td>Comprehensive study of double bass, a study of two and three octave scales, arpeggios, and intervals in all keys.</td>
<td>None, other than personal</td>
<td>Complete</td>
</tr>
</tbody>
</table>

**PHILOSOPHY - RELIGIOUS STUDIES**

**Phillip Griffin, Chairman**

1. **Research and Investigation**

   **deGroot, Richard J.**
   - Collaborator: Community University Steering Committee Evaluation of Community University Program
   - Funding: Other
   - Status: In progress

   **Gross, Rita M.**
   - Hindu Female Deities
   - Funding: Foundation
   - Status: In progress

   **continued**
Jannusch, Bruce A.
American Pragmatic Philosophy in Japan

Funding: None, other than personal
Status: In progress

Koshoshek, Ronald J.
"Core Issues in Legal Theory"

Funding: None, other than personal
Status: In progress

Rice, Daniel
Felix Frankfurter-Reinhold Niebuhr Correspondence: 1940-1964

Funding: University Research Grant
Status: In progress

7. Innovative Pedagogical Project

Behling, Richard W.
Exercises in Truth-Functional Logic

Funding: None, other than personal
Status: In progress

Gertner, William S.
Collaborators: Richard Florence, Roy Salgo

1978 Chippewa Valley Community College - an educational program entailing 31 4-week courses on "Religion and Human Values" for out-of-school adults.

Funding: Foundation
Status: In progress

PHYSICS

Philip Chute, Chairman

1. Research and Investigation

Elliott, Robert C.
Collaborators: G. Kojojan, H. Tovmassian
Supervised Student: M. Bicay
Accurate Optical Positions of Markarian Galaxies

Funding: Departmental
Status: In progress

Astrometric Positions of Minor Planets and Comets

Funding: None, other than personal
Status: In progress

Kojoian, Gabriel
Collaborators: Robert Elliott, H. Tovmassian
Supervised Student: Michael Bicay
Accurate Optical Positions of Galaxies

Funding: Departmental
Status: In progress

3. Major Student Research

Elliott, Robert C.
Supervised Student: Scott Donnell
Observations of stars occulted by the moon as a search for close binary stars

Funding: None, other than personal
Status: In progress

Kojoian, Gabriel
Supervised Students: Robert Sinclair, Chris Figura
Analysis of Radio Emissions from Galaxies

Funding: Departmental
Status: In progress

Smetheles, William
Supervised Student: Randy Olson
UBV Photometry Program - Development Phase. A UBV Photometer, to be used on the 14-inch Robbins telescope, was developed by using a terminal to the university's B-3500 computer for real time data processing. The equipment is used to measure stellar brightness in three wavelength bands.

Funding: Departmental
Status: Complete

POLITICAL SCIENCE

Robert Gibbon, Chairman

I. Research and Investigation

Chan, Jules S.
Collaborator: Leonard Gambrell
National Security Education Survey

Funding: None, other than personal
Status: In progress

Gambrell, Leonard
Collaborator: Jules Chan
National Security Education Survey

Funding: None, other than personal
Status: In progress

PSYCHOLOGY

Barbara Lozar, Chairman

I. Research and Investigation

Baumgartner, Steven R.
Collaborator: George Cvetkovich
Social Psychology Text

Funding: None, other than personal
Status: In progress

Brandenburg, Ira J.
Collaborator: Robert S. Tolmison
Parental Responses to the Dependent and Independent Behaviors of Intellectually Gifted and Average Children

Funding: University Research Grant
Status: In progress

Morse, Larry A.
Supervised Student: Jim Yanna
Preference of Reinforcer Magnitudes and Delay in Rats

Funding: University Research Grant
Status: In progress
Pedron, Blaine T.
Autocheping and Omission Training: Implications for the Classical - Instrumental Distinction
Funding: University Research Grant
Status: In progress

Tomlinson, Robert S.
Effects of Threat and Frustration on Aggression in Repressors and Sensitizers: a paper presented at the Southwestern Psychological Association Convention, New Orleans, Louisiana; April, 1978. In an effort to identify repressors and sensitizers, Byrne's R-S scale was used. Under several experimental threat/frustration conditions, repressors displayed significantly less aggression -- especially toward human and animal targets -- than did sensitizers. A more potent experimental frustration condition tended to "erase" the R-S personality dimension.
Funding: None, other than personal
Status: In progress

3. Major Student Research

Harper, Jerry L.
Supervised Student: David Freidman
Utilization of the SOI scales in a third grade classroom
Funding: Departmental, other
Status: In progress

Supervised Student: James Hahn
A survey of school psychologists' preferences for instruments to identify emotionally disturbed children
Funding: Departmental, other
Status: In progress

Supervised Student: Linda Kaczor
The utilization of psychological data in writing individual educational programs
Funding: Departmental, other
Status: In progress

Reece, William
Supervised Student: Carol Matsushima Tschernach
An Investigation of the Father's Role and his Influence on a Child's Personal and Social Adjustment.
Funding: None, other than personal
Status: Complete

Tomlinson, Robert S.
Supervised Student: Leslie A. Stanke
Patient Creativity as a Predictor of Post-Operative Recovery Time. In a small sample of matched hospital patients, high scores on measures of creativity were associated with relatively short patient recovery periods.
Funding: None, other than personal
Status: Complete

4. Dissertation Research

Blakemore, J. Elaine
Age and Sex Differences in Nurturance to the Young. This study examined sex and sex-role differences in behavioral nurturance displayed toward a human infant by subjects ranging in age from three to 21. At all ages male subjects talked to, played with, and interacted with the baby less than did females.
Funding: None, other than personal
Status: Complete

Lindsay, Michael K.
A Follow-Up Study of Stanford University Secondary Teacher Education Program Graduates in Social Studies, 1960-1977. Graduates were surveyed regarding their career patterns, their assessment of the usefulness of the program for teacher preparation, and their assessment of and involvement in the social studies field.
Funding: None, other than personal
Status: Complete

SOCIAL WORK
David Johnson, Chairman

1. Research and Investigation

Gibbs, Leonard E.
Collaborator: John Flanagan
Prognostic Indicators of Alcoholism Treatment Outcome. This review is a systematic attempt to isolate the personal characteristics of alcoholics generally associated with their prognostic. Forty-five studies which met certain standards for inclusion are summarized here.
Funding: Federal
Status: Complete

Johnson, David J.
Collaborator: UW-Milwaukee
Western Wisconsin Master of Social Work Program
Funding: Federal and Wisconsin Department of Health and Social Welfare
Status: In progress

continued
SOCIOLoGY
J. Kenneth Davidson, Chairman

1. Research and Investigation
Davidson, J. Kenneth, Sr.

Supervised Student: Carol Stranathan
"Female Sexuality: A Typology of Orgasms"
Funding: Departmental
Status: In progress

Collaborator: Linda Lee Hoffman
"Sexual Fantasies Among Marrieds and Never-Marrieds"
Funding: Departmental
Status: In progress

2. Artistic Production, Showing or Recital
McDonnell, William
Funding: Other
Status: Complete

Funding: Other
Status: Complete

4. Dissertation Research
McDonnell, William
"A Study for the Oral Interpreter of Problems in the Performance of Shakespeare's Plays," dissertation, Northwestern University, 1978. The oral interpreter must focus on those aspects of the plays that confront every interpreter. These facets include Shakespeare's language and verse, in addition to the study of character and style. Thus, a major portion of the study is both addressed to and applicable to any interpreter of Shakespeare's works.
Funding: None, other than personal
Status: Complete

BUSINESS ADMINISTRATION
Stuart Allen, Chairman

1. Research and Investigation
Baliga, Rajaram B.
Collaborator: Thomas Bergmann
Reanalysis of Aston group data on organizational structure to explore interrelationships
Funding: None, other than personal
Status: In progress

Bergmann, Thomas
Collaborator: Harvey Gunderson
Determinants of undergraduate students dropping and/or adding courses
Funding: None, other than personal
Status: In progress

Determinants of teaching faculty moving from teaching careers to administrative careers
Funding: None, other than personal
Status: In progress

SPEECH
Fred Whited, Chairman

1. Research and Investigation
Ridge, Alice
Survey of Wisconsin high school speech teachers. 179 high school speech teachers responded to a survey which asked what they taught in their speech courses, how much time they devoted to each topic, and judgments as to student opinion and community opinion of the discipline of speech.
Funding: None, other than personal
Status: Complete

continued
3. Major Student Research

Bouch, David M.
Supervised Student: Erin O'Connell
"Purchasing Preferences Among New Car Buyers in Eau Claire, Wisconsin"
Funding: None, other than personal
Status: In progress

7. Innovative Pedagogical Project

Bouch, David M.
A series of counseling seminars - "Pricing Strategies for Sheltered Employment Facilities"
Funding: Other
Status: In progress

OFFICE ADMINISTRATION & BUSINESS EDUCATION
William Mitchell, Chairman

1. Research and Investigation

Condon, Gregg A.
Construction and tryout of a one-year Gregg shorthand program
Funding: None, other than personal
Status: In progress

ELEMENTARY EDUCATION
Benjamin Thompson, Chairman

6. Program with Federal or Foundation Support

Whooley, John E.
Collaborator: Nan Dougherty
PATI - Peer-Assisted Teaching Improvement
Funding: Other: Undergraduate Improvement Program
Status: In progress

7. Innovative Pedagogical Project

Joyal, Lloyd H.
Supervised Student: William J. Connor
"Challenges in Math." This is a set of 60 activity cards for the gifted and talented students. Motivation ideas and activities provide challenge and stimulation for students in grades 3-8. Geometry, number theory, and numeration systems are represented.
Funding: Departmental
Status: Complete

Sorensen, Juanita
Collaborator: Gregory Staales
Revitalizing the Elementary Science Curriculum
Funding: None, other than personal
Status: In progress
PHYSICAL EDUCATION
Ida Hinz, Chairman

6. Program with Federal or Foundation Support
Kurth, Stephen J.
UMMC Cardiac Rehabilitation Program
Funding: Foundation
Status: In progress

SPECIAL EDUCATION
E. Milo Pritchett, Chairman

1. Research and Investigation
Bavolek, Stephen J.
Primary Prevention of Child Abuse and Neglect: Identification of High Risk Adolescents. Abused adolescents express significantly more abusive attitudes towards parenting and child rearing than non-abused adolescents in each of the following construct: Expectations of the child; Ability to be empathically aware of a child's needs; The use of physical punishment as a means of discipline; Reversal in parent-child roles. The findings provide empirical support for the perpetration theory of child abuse from parent to chlid. The Adolescent Parenting Inventory is useful in assessing the parenting and child rearing attitudes of abused and non-abused adolescents.
Funding: University Research Grant
Status: Complete

SECONDARY EDUCATION
Charles Larson, Chairman

1. Research and Investigation
Wolf, Anne E.
Collaborator: M. Jane Greemnewald
Generalizability of reading-related behaviors in secondary subject-area classrooms: a pilot study. This paper presents reliability data for a low-inference observation schedule designed to measure the extent and use of reading and other language arts in subject-area instruction in junior and senior high schools. Six volunteer teachers were videotaped on four occasions each, and their lessons were analyzed for stability of behavior across occasions and for interrater consistency. Results will be utilized in instrument revision.
Funding: University Research Grant
Status: Complete

A descriptive study of the use of the language arts for communication in secondary subject-area classrooms
Funding: University Research Grant
Status: In progress

NURSING
Suzanne Van Ort, Dean

1. Research and Investigation
Johnston, Thomas E.
Ethical-Moral Development in Nursing
Funding: None, other than personal
Status: In progress

4. Dissertation Research
Sparks, Rita Kisting
Problem-Solving Ability of Graduates from Associate and Baccalaureate Degree Nursing Programs. The purpose of this study was to determine whether differences existed between graduating professional and technical nursing students in the area of problem solving or use of the nursing process. On an objective measure of problem solving in simulated nursing situations, a difference in significant. However, on an open-ended measure requiring use of the nursing process, the Baccalaureate graduates scored significantly higher than the graduating associate degree student.
Funding: None, other than personal
Status: Complete

7. Innovative Pedagogical Project
Sohr, Gayle
Collaborators: Marilyn Burgess, Margaret Vancini, Eleanor Bukavitz
Survey of Health Needs and Practices in a Rural Community. This survey was an attempt to identify current health needs and practices in a typical rural Wisconsin community by interviewing a random sample of families. The majority of families surveyed felt their health needs were being met; however, it was concluded that more health education services could be provided to families to improve their knowledge of preventive health practices.
Funding: Other
Status: Complete

NON-DEPARTMENTAL

1. Research and Investigation
Dick, R. Dale
Collaborators: Representatives of several academic departments
Chippewa River Basin Research Institute
Funding: None, other than personal
Status: In progress

Massoth, Carol E.
Silent Movies: As Grassroots and Art Form - A Bibliography on extensive listing of the best sources of information concerning silent film; sources in various media are included.
Funding: None, other than personal
Status: Complete

continued
4. Dissertation Research

Rodenstein, Judith
The Relationship of High School Math Activities of Gifted Students to the Status of Their Present Careers

Funding: None, other than personal
Status: In progress

5. Institutional Study

Townsend, Thomas N.
Student/Parent Evaluation of 1978 Summer Orientation Program. Both parents and freshmen indicated satisfaction with classes chosen; students tended to value most highly advising sessions, while parents rated most highly those sessions introducing the University. Specific findings are being used in planning and training for 1979.

Funding: Departmental
Status: Complete

6. Program with Federal or Foundation Support

Harder, Sarah
Collaborator: Mary Meiser
Special Services Project for Minorities and Educationally Disadvantaged Students

Funding: Federal
Status: In progress

Meiser, Mary
Collaborator: Sarah Harder
Special Services for Disadvantaged Students

Funding: Federal
Status: In progress

7. Innovative Pedagogical Project

Last, Ellen
Collaborators: Nan Dougherty, Wilma Clark
In-Service Project for the Teaching of Writing in the Content Fields

Funding: None, other than personal
Status: In progress
BIOLOGY

Marcus Fey, Chairman


Ootrema schiulli, n. et sp. n. is described from specimens from the intestine of Myotis lucifugus. Eptesicus fuscus captured at the same localities in Wisconsin did not harbor this parasite. Ootrema resembles Procorophyriodes but differs in the possession of muscular oviduct papillae, uterine coils confined to hindbody, and the lack of tegumental spines.


By feeding 25 mM ethyl methanesulphonate (EMS) in 1% sucrose solution, a frequency of 2.4% was obtained for recessive lethal mutations in the giant-white region of the X chromosome inserted into the Y chromosome. On the other hand, lethal mutations in the giant-white region in its usual position in the X chromosome were detected in only 0.9% to 1.2% of mature spermatozoa treated by the mutagen. Experiments designed to resolve the reason for the discrepancy indicate that about half of the X chromosome-bearing sperm with a recessive lethal mutation in the giant-white region but are also carrying a recessive lethal or male sterile mutation in the X chromosome outside the giant-white region. Since such double lethals or double mutants cannot be detected or maintained by the usual detection and frequency of recessive lethal mutations induced by a high and effective mutagen, such as EMS, in a small segment of the X chromosome is less than the frequency observed for the same region inserted into the Y chromosome.


The leaves of three cultivars of Cyclamen persicum were examined at several stages of development. In both the lamina and petiole, relatively little is known about the growth of the petiole, but it is assumed that an intercalary meristem is involved. Elongation of the young leaf is initially due to activity distributed throughout the developing organ. Maturation of the leaf progresses acroterially from the base of the petiole and basipetally from the tip of the lamina. As the leaf matures elongation in both the lamina and petiole becomes restricted to their region of common attachment.


Trophozoites of Giardia muris were found attached to the acellular tegument of the aplocheilophalin cestode Mathyontamia symmetratica from laboratory mice. The relationship between an intestinal flagellate and a helminth is unusual as a parasitic association and is probably accidental when heavy infections of Giardia are present in the mouse intestine.


Eggs of the notocotylid trematode Quinqueserialis quinqueserialis are characterized by the presence of four bipolar filaments extending from an ovum envelope. Electron microscopy examination reveals two distinct layers forming the egg capsular. The inner egg capsule layer is derived from proteinaceous secretions of the vitellaria. The outer egg capsule layer is formed from membranous secretions of the Mehlis gland.


Ultrastructural studies were conducted on the ventral papillae of the notocotylid trematode Quinqueserialis quinqueserialis. Each papilla is covered by a thin syngment, highly convoluted in the apical region but becoming spiny marginally. Bulbous and ciliated sensory receptors, the latter possessing a cilium with a 9+9 microtubule arrangement, occur in the apical syngment. Large puriform cells, forming the bulk of each papilla, underlie the syngmentum but are connected to it by tight junctions. Puriform cells contain numerous elongate mitochondria with extensive cristae but lack secretory organelles. Orm secretory ducts extend into each papilla and are joined to priform cells by tight junctions. These observations suggest that papillae are non glandular and may function in nutrient absorption.

CHEMISTRY

Joel Klink, Chairman


The construction of an inexpensive, highly reliable, milli-degree temperature controller and differential thermometer from an extremely stable thermistor and other readily available materials is described. Once materials have been collected, the device can be constructed and operation in a relatively short period of time.

A number of 4-substituted nortricyclenes have been synthesized, including 4-aminonortricyclo[4.2.1.0]pentane hydrochloride, nortricyclene-4-carboxylic acid, and its tosylate. The synthesis of the compounds is discussed. Thermolysis of nortricyclene was synthesized because of its similarity in structure to 1-aminoadamantane hydrochloride which has antiviral properties against certain influenza viruses. The tosylate was solvolyzed in acetic acid, the pKa of its tosyloxy group taken as 6.0. The pKa of nortricyclene-4-carboxylic acid was determined in 60% ethanol. These results measure a substantial inductive withdrawal by the cyclopropane ring when compared to the 1-norbornyl carbonyl system. This inductive effect for a cyclopropane ring has not previously been measured completely free of other effects such as the ring strain or pi participation. These studies require a reinterpretation of the extreme slowness of 4-nortricyclene-4-carboxylic acid solvolyzes compared to the 1-norbornyl bromoform system, which in the past was explained solely on the basis of an increase in ring strain, but now must include an inductive effect.


The Favorzskii rearrangement has been the subject of intensive research by many organic chemists since its discovery in 1894. But despite its age, the reaction remains novel. Its mechanism and stereochemistry are currently being studied. It is becoming an increasingly reliable instrument of organic synthesis. A number of earlier summaries on the Favorzskii rearrangement are available. The purpose of this article is to review the more current literature on the application of this rearrangement to bridged polycyclic compounds where it has been used in the synthesis and study of strained molecules.

ECONOMICS
Donald Ellickson, Chairman


This article analyzes the relationship between internal and external balance in an open economy.


The problems of economic development in these countries include rapid inflation, short and long transportation bottlenecks and manpower shortages. While most development planning continues to be based on capital constrained growth models, the experiences of these countries draw attention to the absorptive capacity constraints in development. Other less developed countries may gain insights into the development process from the progress of these countries in meeting their development problems.

ENGLISH
Douglas Pearson, Chairman


Continuing interest in black drama produced the need for an additional source enabling instructors, students, researchers and readers to locate information about black Playwrights and their works. Approximately 400 playwrights appear in the new volume, which is divided into three sections: an alphabetized listing of Playwrights and their works, together with criticism, reviews, and awards; a general bibliography, and an index of play titles. Careful reading of this bibliography reveals that many Black playwrights are less concerned with the portrayal of racial tensions, and more interested in black male/female relationships, the evolution of black heroes/heroin, the shaping of a culture, and the need to establish a medium of expression accessible to any members in the black community; that certain playwrights and works continue to pique the interest of critics; and most of all, that black women playwrights play strong, successful roles as creative innovators in the dramatic mode.


This comprehensive bibliography provides information relating to the novels and short stories of all the major and many minor Black American writers. Designed to facilitate the research of students and scholars, as well as to aid teachers and librarians interested in nineteenth and twentieth century Black American fiction, the volume includes biographical and cultural materials, bibliographies and book reviews from newspapers, journals, monographs, dissertations and conference papers appearing through 1976, with some references to 1977 publications. The main body of the work is an alphabetical listing of nearly 500 Black authors and their works, with categories for novels, short fiction, book reviews, and bibliography and criticism. Complete citations are provided to assist both the casual student and the serious scholar in their research.

FOREIGN LANGUAGE
Vernon Gingerich, Chairman


This was a report of a panel discussion at a September 29-30 meeting of the Wisconsin Association of Foreign Language Teachers which outlined:
1. The need to refine the Wisconsin Curriculum Guides and make them available to foreign language teachers
2. The need to distribute the articulation form for use in college placement
3. The importance of a joint meeting of high school and college foreign language chairmen and teachers to discuss articulation
4. The need to involve guidance specialists in future NAFLT meetings

continued

This is a beginning text that introduces students to the language and culture of contemporary France. The intent is to provide the communication skills, and the background material necessary to install an appreciation for the country and its language. Grammar, therefore, is taught as a means to that end, with an emphasis on communication. The authors have also provided a comprehensive program of cultural materials and language practice, supplemented by a workbook, tapes or cassettes, and slides, to extend the cultural dimensions of the course.

GEOGRAPHY
J. Brady Foust, Chairman


The book is an introduction to economic geography theory and concentrates on explaining the space-economy of market-exchange economies - specifically the United States.

Palmer, Richard S., Physical Geography, Charles E. Merrill, Columbus, Ohio, April, 1978, 351 pages.

Physical Geography is a textbook designed to satisfy a program in introductory college-level physical geography. The text is divided into two general sections, one section dealing with the variables which intersect in the earth's atmosphere and are responsible for the weather and climate on earth, and a second section discussing the basic processes and features of the earth's landform. Additional materials include four chapters on the variations of soil and natural vegetation around the world. An appendix on maps and their basic properties completes the text. The text is coordinated with a complete multi-media set consisting of taped lectures and filmstrips.


Rand McNally Atlas of the Oceans is a most comprehensive work assembled by a group of well-known and distinguished scientists. In spite of such a broad and difficult topic, these people have produced an enormous volume of great appeal and interest to both the general public and the specialist.


These chapters are part of a standard type of instructor's supplement: they outline the objectives and main points of the four chapters written by the author on the Soviet union and Eastern Europe. Objective questions, essay questions, and discussion topics are also offered in this supplement.


This article argues that prime farmland must be preserved for local food variety and food quality, for regional food self-sufficiency, and global food production. Critics who say that very little prime land is lost to urbanization ignore the real or projected productive value of these lands. The new programs are subsidizing and encouraging the loss of farmland around metropolitan centers while they also subsidize the creation of new farmland in the irrigated West, and through new seeds for dry regions.


This chapter reviews past research in applied rural geography in the U.S. During the 1930's applied rural geographers worked with state and federal agencies to solve many rural problems. Since this era very little applied rural research has been conducted although a great deal of lip service has been given to this research. Young rural geographers are encouraged to make contributions to the solving of regional and national rural problems: migrant works, female labor on farms, agribusiness, etc. But the fundamental issue is not one of tactual but one of analytical perspective. Conservative, liberal and radical viewpoints see rural issues substantially different. Researchers must decide which paradigm best explains reality before they can suggest remedies.


This article documents the effectiveness of Illinois' differential assessment law, which was designed to save farmland from urban encroachment. In the Chicago metropolitan area, the people who took advantage of this law were studied. The results show that prime farmland was often not protected while less productive land was given tax shelters. Individuals, or large than fifteen farmers, received substantial benefits. Amenity agricultural enterprises, such as horse farms, sod farms, and more farms, received protection. The law was so written that the intentions of the state legislature were not met.

continued
FACULTY PUBLICATIONS 1978 (continued)

GEOLoGY
Ronald Willis, Chairman


Precambrian amphibolites, mica schists, and intrusives crop out for 12 kilometers along the Eau Claire River in north-central Eau Claire County. The oldest rocks - mica schists and amphibolites - representing volcanic sediments and mafic flows were intruded by a gabbro which differentiated into mafic and amphibolitic layers. Metamorphism of these rocks in garnet amphibolite grade accompanied intrusion of tonalite, trondhjemite and adamellite north of the area. A second metamorphism produced coarse hornblende and plagioclase in the amphibolites, while compositional layering was transposed by strong contractional stresses. Synkinematic intrusion of tonalite produced the breccias east and west of Big Falls, and was followed by post kinematic intrusion of granite pegmatite dikes. Shearing with contemporaneous formation of epidote and chlorite was followed by prolonged erosion after which east-northwest-trending olivine diabase dikes were intruded. Weathering and erosion continued until marine deposition of Upper Cambrian sandstones. This chronology implies an Archean age for the mica schists and layered gabbro sequence.

HISTORY
Ronald Mickel, Chairman


Roman Emperors at different times assumed the role of legislators through assuming the office of Tribune. This study demonstrated through the use of inscriptions and coins that the Emperor Claudius Gothicus II reestablished this practice in 268 A.D. after a period of disuse in his attempts to reunify the Roman Empire.

JOURNALISM
Elwood Karwand, Chairman


Access to the news sometimes is denied a journalist because he or she does not seem to meet whatever definition of "reporter" is being used as a standard in a particular situation. This report explores the various criteria that have been used to identify a member of the media.


The author explains development and use of a "quiz" designed to help editing students write better headlines.

Polk, Leslie, Readings in Critical Writing, University of Wisconsin-Eau Claire, Eau Claire, Wisconsin, 1978, 244 pages.

This book is an anthology, edited by Leslie D. Polk, which considers the role of the critic of the arts and, sequentially, has sections which bring together readings by outstanding critics and others in the areas of the literary critic, the drama critic, the motion picture critic, the music critic, and the critic of fine arts.

MATHEMATICS
Lawrence Wahlstrom, Chairman


This article deals with techniques for training students to efficiently compute with fractions. The non-traditional "criss-cross-product" method is explained in detail, with examples.


This article describes some of the many educational possibilities that the calculator has opened up. Innovative problems from algebra, trigonometry and calculus are described, together with means of teaching them via the calculator.


This article (in Hebrew) describes the physical foundations of music and the history of the musical-mathematical relations.


This article describes the "possibility of representing plane curve by means of a line equation B = f(x) instead of the traditional point equation y = f(x)." Some dualistic consequences of this representation are analyzed. Three conic sections are discussed in detail and are graphed from their line equations.


See abstract under George Henderson.


The formation of many ice crystal halos can be visualized in an appropriate coordinate system on the sphere. A given crystal orientation is first represented by a point on the sphere. When the same sphere is regarded as the celestial sphere, it is easy to find the point of light on the sphere corresponding to the given crystal orientation.

continued
MUSIC
M. N. Schmoker, Chairman


Lunde, Ivar Jr., "Solving the Oboe Reed Dilemma or How to Transfer a Clarinetist to the Oboe or Bassoon." Notes, March/April, 1978, pp. 2-3.

This article describes how to transfer clarinet players to the oboe or bassoon. This may be helpful to band directors in the public school systems as they may want to increase the level of the band to play literature which calls for the use of double reeds. Not all band programs have double reed players. The clarinet is often regarded as a beginning instrument, and it is also quite common to use the clarinet as a preparatory instrument for the oboe or the bassoon.


A description of the Sonatina by Johann Daniel Berlin, a Norwegian Baroque composer. Performance practice, ornamentation, etc., are explained, and the Sonatina is partially reproduced.

Lunde, Nanette G., Partita in G Minor for Harsichord (by J.S. Bach; transcribed Lunde), Musica Sacra et Profana, Berkeley, CA; June, 1978.


After an initial statement illustrating the problem, the article offers ideas regarding the available options for assisting classroom music teachers in reaching educational goals with exceptional children. Resources for diagnosis of learning and classroom behavior problems are discussed. The major focus of the article is on innovative directions that are being taken to prepare music educators for effective planning of learning experiences for exceptional children, and on some specific ways of assisting these children in reaching the same instructional objectives as other pupils. The author believes that music teachers should not try to prepare with specific techniques, but should also be psychologically prepared to accept exceptional children and to work hard on their behalf.

PHILOSOPHY & RELIGIOUS STUDIES
Philip Griffin, Chairman


H. Richard Niebuhr's theme of "radical monotheism" reminds North Americans affiliated with the Judaeo-Christian religious tradition that their basic commitment of faith is grounded in the personal and communal experience of God as the one Absolute reality . . . and in the realization that all else is relative. The notion of "freedom," therefore, is rooted in the awareness of personal responsibility for dealing with this - worldly realities as relative, but also as having to be referred always to God as their origin and ultimate destiny. Since radical monotheism involves the conviction that God is a personal being, ministry accordingly must be in service to the permanently reforming, or revolutionary, process of realizing the mystery of personal existence.

PHYSICS
Philip Chute, Chairman


A simple artificial transmission line can be used to demonstrate the characteristic impedance and delay properties of a real line. Such an artificial line allows one to use laboratory apparatus of much more limited frequency range than is needed with coaxial or other conventional lines. A device of this sort using only a few inexpensive RF chokes and capacitors was explained and demonstrated.


Optical positions of 193 Markarian objects, Markarian 508-700 were measured from the Palomar Sky Survey Prints, and are given with an accuracy on the order of 5 arcsec in each coordinate.


Radio measurements were made at 1.35, 1.93, 2.8 and 3.8 cm. during April, 1978, and at 6 and 11 cm. during August and November 1977 respectively, supplementing and extending previous work on 00208 - Markarian 668. The radio source has a curved spectrum with maximum at centimeter wavelengths. The spectral index alpha equals approximately -1.35 between 3.8 and 1.35 cm. and alpha equals approximately +0.65 between 11 and 6 cm. The synchrotron source may be located within a dense ionized medium and it is suggested that 00208 - Markarian 668 is a Seyfert I type galaxy.


See abstract under Elliott, Robert.
This literature review is a systematic attempt to isolate the personal characteristics of alcoholics generally associated with their prognosis. Forty-five studies which met certain standards for inclusion are summarized here. The description of each study and its corresponding list of characteristics of alcoholics investigated for prognostic value are reported in tables. The tables do not reveal stable predictors across the studies, though some personal characteristics are more generally of predictive value than others. A number of reasons for the absence of predictor stability are discussed among them the possibility that certain treatments may work best with certain alcoholic patients.

SOCIOLOGY
J. Kenneth Davidson, Chairman


The purpose of the major study was to ascertain whether significant differences in attitudes and behaviors toward menstruation exist between sexually experienced and inexperienced women. Survey questionnaire data were secured from two non-random samples of never-married women students associated directly or indirectly with a major southern medical complex. The first sample of 140 women was drawn from lower division and upper division classes at the state liberal arts college (Riverside City, Calif.). A second sample of 195 women (Allied Health) was drawn from baccalaureate degree students in medical records, medical technology, radiologic technology, dental hygiene, and nursing programs at Southern Medical School. The authors found that 38% of the sexually experienced Allied Health and River City women viewed menstruation as a "normal bodily function" as compared to 39% and 27% respectively of the sexually inexperienced Allied Health and River City women. These data did not indicate a greater incidence of negative feelings toward the menstrual process although the sexually experienced women reported a somewhat higher incidence of menstrual distress. While some differences were found, no clear distinctions were made between the sexually experienced and inexperienced Allied Health and River City women, much additional research is needed to clarify these findings.


This study confirms the general theoretical position that criminal reference groups are significantly related to a criminal self-concept. It also indicates that certain qualifications need to be considered. For example, the findings indicate that special referents play a significant part in producing a criminal self-concept. However, previous crimes and incarcerations are also important in producing this effect indicating that all these variables may merge to produce a criminal self-concept. This limitation should be controlled in further studies. Future research must consider areas that may play a more productive role in understanding the young female adolescent criminal and her self-conception, particularly at the onset of crime.
FACULTY PUBLICATIONS 1978

Faculty and Staff Information

UW-EC
UNIVERSITY
Etcier, Ylnkur. Floro, Flne. Chang from the previous edition as procedural approaches to recommendations of the task force. This article presents a complete listing of all the best works on law and society; therefore to ease problems of those who wish to pursue topics more deeply, a bibliography of bibliographies is included at the end of each section.


This article presents a framework for a role analysis of the volunteer in the work setting, making use of the perspectives of volunteers themselves. Illustrations come from the experience of exemplars in the role. (Volunteerism is seen as a work orientation that contrasts with professionalism, vocationalism, and management.) A comprehensive outline for such inquiry is appended.


This is a presentation of the deliberations and recommendations of the UW System Task Force on American Ethnic Studies, 1974-75.

ACCOUNTING

Lawrence Ozzello, Chairman


"This edition, like the previous one, is a well-balanced blend of theoretical and procedural approaches to auditing instruction. Changes from the previous edition are discussed, as are the strengths and shortcomings of this edition.

BUSINESS ADMINISTRATION

Stuart J. Allen, Chairman


The player reservation/compensation system in professional baseball, basketball, football, and hockey has changed profoundly in recent years. The authors examine the effects of recent developments on policy alternatives and implications for the reservation/compensation system in professional team sports.


This paper focuses on perhaps the most controversial work rule - the option/compensation system, commonly referred to as the Rozelle Rule, and the major changes in this player control device that have been established through the process of collective bargaining. The implications of these changes for the future of labor-management relations and for the continued viability of the game of football are discussed.


This monograph deals with the concepts and methods that are used to estimate employment and unemployment in the United States at the national, state, and local level. It describes and critiques methods employed by the Census Bureau, the Bureau of Labor Statistics, and the State Employment Security agencies in developing estimates of employment and unemployment. Also, briefly examined are alternative concepts and the uses to which the data are directed. The monograph serves primarily as a reference document to public officials, program administrators, news media, and the lay public who need a concise source of explanation on concepts, definitions, and methods, used to produce estimates of employment and unemployment.

OFFICE ADMINISTRATION & BUSINESS EDUCATION

William Mitchell, Chairman


This book provides an instructional flexibility unique in typewriting textbooks. These materials utilize a modular construction that permits instructors to individualize material not only for a particular class, but also for a particular student within that class. The typewriting program challenges student decision-making capacities by providing an abundance of rough-draft and hand-written materials. In addition, the materials allow students to experience the real office world by providing integrated tasks and in-haskets. The materials have been designed for a three-semester program at the post-secondary level of instruction.
SECONDARY EDUCATION

Charles Larson, Chairman


Uninterrupted Sustained Silent Reading is a technique suggested for use in improving students' attitudes toward the process of reading as a leisure activity. Although USSR can be implemented in any classroom setting, at secondary-school levels it seems most often to be attempted as part of required reading courses. This study examined the effects of two typical treatments, Skills Instruction Alone and Skills Instruction Plus USSR, on the reading achievement and attitudes of seventh-grade students in required nine-week developmental reading classes. A single research question was investigated: Did students who experienced 100% skills instruction differ in reading achievement and attitude toward reading from students who experienced 80% skills instruction and 20% USSR?


The primary purpose of this study was to investigate the reliability of Reading Misuse Inventory (RMI) scores when subjects read different reading selections. Reliability was investigated within the framework of Cronbach's Generalizability Theory. This liberalization of traditional reliability theory explicitly accounts for multiple sources of variation in observed test scores. The one-factor, or factor, design of the study allowed for estimation of variance components for subjects, reading selections, and unexplained variation. Rater, administrator, and transcriber were held constant, paralleling many real-world uses of the RMI.

ELEMENTARY EDUCATION

Benjamin Thompson, Chairman


These are publications to accompany twelve video tapes addressing reading in the content areas. Materials have been and are being used on a national basis in graduate teacher education.


The Wisconsin State Reading Association worked to gain passage of what is now Chapter 29 of S.B. 77, which the-Governor, Patrick Lucee signed into law in June of 1977. This bill provided that every school district establish K-12 reading goals and conduct an assessment of existing reading needs by August 1978. The law further requires that each district employ a certified reading specialist to develop and implement the reading curriculum by August 1979. In this way schools can take a look at what they are trying to accomplish in reading and how well they are doing. They will then have the resources and expertise necessary to make improvements which will result in better learning for all students. The enactment of this legislation is the culmination of years of effort by the Wisconsin State Reading Association. The WSRA made several unsuccessful attempts to get the law to reimburse districts for hiring reading teachers and specialists in the same manner that special education teachers and school psychologists are reimbursed. These attempts failed because they were considered too expensive and because the political leadership thought the job of teaching reading belonged to the classroom teacher.

SPECIAL EDUCATION

Milo Pritchett, Chairman


The spectrum of abusive parenting practices as they relate to the prevention, intervention, and management of child abuse and juvenile delinquency have a number of important findings and implications:
1. Children who are severely and repeatedly physically abused learn inappropriate behaviors relative to parenting and child rearing.
2. It is likely that the majority of physically and emotionally abused adolescents will exhibit problems in their social, emotional, and intellectual growth.
3. Identification with the aggressor is a plausible explanation for the perpetuation of abusive and delinquent behaviors from parent to their offspring.

4. The utilization of the four parenting constructs of abusive parents in examining the origins of delinquent behaviors in adolescents provides valuable intervention and treatment insights.

5. The four abusive parenting constructs provide specific goals and objectives that should be addressed in programs for appropriate parenting and child rearing.

NURSING
Suzanne Van Ort, Dean

Johnston, Thomas E., Nursing Administration: A
Selected Annotated Bibliography of Current
Periodical Literature in Nursing Administration
and Management, National League for Nursing, New

The range of periodical literature regarding
nursing administration and management reflects the
panoramic concerns of the profession. Since the
effective nurse administrator must integrate
management skills, clinical expertise, and
knowledge of human behavior, it is not surprising
that the articles vary greatly in content. The
112 entries in this annotated bibliography attest
to the wide spectrum of knowledge that is demanded
of the nurse administrator.

McNaughton, Michael W., Jan Larson, Louise Mansfield;
"Heart Rate and Blood Pressure Response to
Stairclimbing and Sexual Activity," Circulation,
Volume 58, No. 4, October, 1978.

Heart rate and blood pressure of 9 normal males,
average age 49 years, and 6 females, average age 53
years, with coronary artery disease were monitored
during stair climbing and sexual activity. Subjects
were monitored while walking briskly on a
flat surface for 10 minutes and climbing 22 steps
in 10 seconds. Subjects used a Holter type
monitor and an automatic noninvasive blood pressure
instrument to monitor their own heart rate and
blood pressure during sexual activity in the
privacy of their own home with a partner of at
least six months. Neither group showed
significant differences in heart rate for the two
activities. There was no significant difference
in the blood pressure response to the two
activities for normals. The blood pressure
response of coronary artery disease patients to
stair climbing was significantly higher than to
sexual activity. The findings indicate that
stair climbing test provides a cardiovascular
challenge quite similar to that of sexual activity.

NON-DEPARTMENTAL

Engeldinger, Eugene, Carol Fairbanks; Black American

This is a comprehensive bibliography of
Afro-American fictional writings (novels and short
stories) with citations to critical books and
articles for further study about those writings.

Harder, Sarah, "A First-hand Report on the National
Women's Conference," The View, Volume XXXVII, No.

The aim of the National Women's Conference was to
draw up proposals to identify and eliminate
barriers to full and equal participation of women
in American life.

Last, Ellen, Virginia Woolf: A One-Credit Course

This publication is a one-credit course module to
guide the student in approaches to the life
and work of Virginia Woolf. It is one in a series of
study guides on modern and contemporary authors
recently commissioned by UW-Extension.

Meiser, Mary Jordan, "Adolescent Fiction - Whys, Whoses,
and Hows or Ways to Break the TV Junkie," Wisconsin
pp. 10-17.

The use of an extensive adolescent fiction
bibliography will enforce basic critical skills in
reading and writing as well as the ideas of
reading for pleasure. Adolescent fiction is also
a means to negate the attitudes of racist and
sexist stereotypes, the violence, the shallow
emotions imparted by television. Since reading
offers the adolescent models, alternatives, choice
with thought, a program built around an adolescent
fiction bibliography is valuable. An extensive
bibliography is included under the following
groupings: ethnic prejudice, war prejudice,
mental/physical handicaps, drugs, alcohol,
sexuality, death, child abuse, divorce, family
relationships, maturation/identity, and feminist.

Meiser, Mary Jordan, "Review of Paul Zindel's novel,
Pardon Me, You're Stepping on My Eyeball," English Journal,

Zindel has borrowed elements from his earlier
novel, The Pigman - a lying hero, adults
portrayed as emotional cripples with hang-ups, and
teenage outcasts who try to outwit them. But where
there was empathy and a realistic working out of
problems, as well as a thoughtful theme, in The
Pigman, this novel fails. Its superficial theme
can be the result of shallow characterization or
of a thin plot or of its frenetic dialogue; it all
adds up to unbelievable.

Ridge, John W., "Organizing for Institutional
Research," The AIP Professional File, Volume 1,

"Organizing for Institutional Research" reviews
the function of institutional research in a
college or university, the role of an
institutional research office, and organizational
models for institutional research. An
organizational prototype is presented in which
institutional research is integrated into a
systems structure. This article is the first of a
series of papers which synthesize and interpret
issues, operations and research of interest in the
field of institutional research.

continued

The intent of the study is to describe the antecedents and lifestyles of gifted women who decided to become career-focused, homemaker-oriented or to integrate the two. The study is longitudinal and thus will examine the role of variables such as persistence, independence, and mental stability on women's career plans. Existing myths about career and lifestyle planning for women were dispelled. A large number of women in the sample of gifted women were able to successfully integrate career and family. Good mental stability was one of the most important determinants of the integrator role. Counseling processes and goals were suggested.


Occupational segregation is examined as it is mirrored in the Vocational Technical Education system. Internal and external barriers are detailed along with suggestions for counselors to break down some of those barriers.


This article reported the unique career development needs of gifted and talented students and in particular emphasized the special needs of gifted and talented women. Suggestions are presented to educators for meeting those needs.

Wilson, Janet G., "Native American Indians and Variables That Are Interrelated with Academic Achievement," ERIC, Rural and Small Schools.

Investigations of educational achievement of Indian students show almost universally poorer achievement than compared to white students. There are isolated cases where some students do as well or better, but this is not the general case. Most researchers agree that cultural, not genetic, factors make the difference in the relative achievements of Indian and white students. The literature supports the previously stated hypothesis. Four endogenous variables were studied: achievement, self-esteem, ability to control one's environment, and the pupil's perceived teacher's expectations. Not enough studies have been conducted to provide data considering one specific tribe, therefore, this paper will present data located on several of the Indian tribes. Background literature is presented as it deals with history, culture, legislative policies, urbanization, and personality. Literature related to the variables is examined. Eight specific recommendations are made concerning constructive changes to be considered for Indian education.