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>58575.01</td>
</tr>
<tr>
<td>Allied Health</td>
<td>58575.01</td>
</tr>
<tr>
<td>Art</td>
<td>58575.01</td>
</tr>
<tr>
<td>Biology</td>
<td>back of 58575.01</td>
</tr>
<tr>
<td>Chemistry</td>
<td>back of 58575.02</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>back of 58575.02</td>
</tr>
<tr>
<td>Computer Science</td>
<td>58575.03</td>
</tr>
<tr>
<td>Economics</td>
<td>58575.03</td>
</tr>
<tr>
<td>English</td>
<td>58575.03</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>back of 58575.03</td>
</tr>
<tr>
<td>Geography</td>
<td>58575.04</td>
</tr>
<tr>
<td>History</td>
<td>back of 58575.04</td>
</tr>
<tr>
<td>Journalism</td>
<td>58575.05</td>
</tr>
<tr>
<td>Mathematics</td>
<td>58575.05</td>
</tr>
<tr>
<td>Music</td>
<td>58575.05</td>
</tr>
<tr>
<td>Philosophy and Religious Studies</td>
<td>58575.07</td>
</tr>
<tr>
<td>Physics</td>
<td>back of 58575.07</td>
</tr>
<tr>
<td>Political Science</td>
<td>back of 58575.07</td>
</tr>
<tr>
<td>Psychology</td>
<td>back of 58575.07</td>
</tr>
<tr>
<td>Sociology</td>
<td>58575.08</td>
</tr>
<tr>
<td>Speech</td>
<td>58575.08</td>
</tr>
<tr>
<td>Business Administration</td>
<td>back of 58575.08</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>58575.09</td>
</tr>
<tr>
<td>Physical Education</td>
<td>58575.09</td>
</tr>
<tr>
<td>Secondary &amp; Continuing Education</td>
<td>58575.09</td>
</tr>
<tr>
<td>Nursing</td>
<td>58575.09</td>
</tr>
<tr>
<td>Non-Departmental Faculty</td>
<td>back of 58575.09</td>
</tr>
<tr>
<td>FACULTY PUBLICATIONS</td>
<td>58575.51</td>
</tr>
<tr>
<td>Art</td>
<td>58575.51</td>
</tr>
<tr>
<td>Biology</td>
<td>58575.51</td>
</tr>
<tr>
<td>Chemistry</td>
<td>back of 58575.51</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>58575.52</td>
</tr>
<tr>
<td>Economics</td>
<td>58575.52</td>
</tr>
<tr>
<td>English</td>
<td>58575.52</td>
</tr>
<tr>
<td>Geography</td>
<td>58575.52</td>
</tr>
<tr>
<td>Geology</td>
<td>back of 58575.52</td>
</tr>
<tr>
<td>Journalism</td>
<td>back of 58575.52</td>
</tr>
<tr>
<td>Mathematics</td>
<td>58575.53</td>
</tr>
<tr>
<td>Music</td>
<td>58575.53</td>
</tr>
<tr>
<td>DEPARTMENT</td>
<td>Page Number</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Physics</td>
<td>back of 58575.53</td>
</tr>
<tr>
<td>Philosophy &amp; Religious Studies</td>
<td>back of 58575.53</td>
</tr>
<tr>
<td>Psychology</td>
<td>back of 58575.53</td>
</tr>
<tr>
<td>Sociology</td>
<td>58575.54</td>
</tr>
<tr>
<td>Speech</td>
<td>58575.54</td>
</tr>
<tr>
<td>Accountancy</td>
<td>58575.54</td>
</tr>
<tr>
<td>Business Administration</td>
<td>58575.54</td>
</tr>
<tr>
<td>Office Administration and Business Educ.</td>
<td>58575.54</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>back of 58575.54</td>
</tr>
<tr>
<td>Library Science and Media Education</td>
<td>58575.55</td>
</tr>
<tr>
<td>Secondary &amp; Continuing Education</td>
<td>58575.55</td>
</tr>
<tr>
<td>Nursing</td>
<td>58575.55</td>
</tr>
</tbody>
</table>
The central problem of this study was to determine what Laboratory Service Departments currently offered in the form of a laboratory procedures manual, to ascertain if it fulfilled the requirements deemed necessary by its prime user, the staff nurse, and to propose a model of a comprehensive Laboratory Procedures Manual. The problem was developed initially by a critical review of related literature. An extensive literature search provided investigator with very little information directly related to a Laboratory Procedures Manual; however a variety of articles were discovered expressing views on the development of procedure manuals for other hospital departments. Two different questionnaires were developed. One questionnaire was sent to fifty different Wisconsin hospitals for completion by a staff nurse. The second questionnaire was sent to the same fifty hospitals for completion by the laboratory supervisor. The responses from the questionnaire indicate that a communications problem exists. In no instance did a Laboratory Procedure Manual provide all the information that the staff nurse wanted. A model Laboratory Procedure Manual was devised upon the composition and content requirements voiced by the nurses in their questionnaire responses.

**ART**

Chairman: Charles Campbell

2. **Artistic Production, Showing, or Recital**

**Benson, A. William**

Series of Experimental Intaglio Plates to be Exhibited Both Locally and In Off-Campus Exhibits.

Funding: None, other than personal
Status: In Progress

**Campbell, Charles**

Continuation of Art Production, Drawing, and Painting Involving Both Figurative, Representational Elements And Non-related, Incongruous Parts.

Funding: None, other than personal
Status: In Progress

**Fish, Edward**

Seven Fold Panels Concerning the 7 Arts

Funding: None, other than personal
Status: In Progress

**Hagale, George**

Modular Altar for ERC-E.C.- Processional Cross, Small Altar, Tabernacle and Six Stools For Small Chapel

Funding: Other
Status: In Progress

**Joslin, Richard**

Artistic Production in Ceramics

Funding: None, other than personal
Status: In Progress

**Katrostis, Stephen**

Artistic Production: Continuing Development in Painting and Exhibition. Am Working With Juxtaposition of Images Related in Shapes or Styles or General Theme Partially With Airbrush

Funding: None, other than personal
Status: In Progress

**Lawler, John**

Design, Production and showing of Sculpture and Design and Production of Graphic Design

Funding: None, other than personal
Status: In Progress

---

**The Laboratory Procedure Manual: A Communications Device For the Clinical Laboratory**

Funding: None, other than personal
Status: In Progress
CURRENT PROJECTS, PROGRAMS, AND RESEARCH, 1975 (continued) 2

6. Program with Federal or Foundation Support

Lawler, John  
Collaborators: Advanced Advertising Design Class  
Eau Claire Transit Marketing Project  
Funding: Federal, State  
Status: In Progress

BIOLOGY

Chairman Dr. Marcus Fay

1. Research and Investigation

Balting, Dr. Terry  
Social Behavior and Vocalizations of the Blue Jay (Cyanocitta cristata)  
Funding: None, other than personal  
Status: In Progress

Barnes, Dr. William  
Determination of High Water by the Use of Indicator Plants  
Funding: University Research Grant  
Status: In Progress

Cinacara, Dr. Victor  
Supervised Student: Kwoshung Leung  
Partial Isolation of Vertebrate Liver Arginase  
Funding: Departmental  
Status: In Progress

Supervised Student: Chris Hubbell  
Liver and Kidney arginase in Musculus  
Funding: Departmental  
Status: Complete

Ortlr., Signe  
Council Grove Craft School, Missoula, Montana to Study Batik  
Funding:  
Status:

Eight Batiks for Advent Season, Grace Lutheran Church  
Funding:  
Status:

Peerson, William  
Continuing Work in Intaglio and Lithographic Print Making and Drawing  
Funding: None, other than personal  
Status:  
Two one-man exhibitions in 1975 and one award in the Invitation Drawing Exhibition.

Rald, Till  
Painting: Initiative Approaches To Painting in Acrylic  
And Watercolor  
Funding: None, other than personal  
Status:

Shafer, Anders  
Two-man Exhibition, U.W.-E.C., Paintings and Drawings,  
A National Competition Exhibitions  
Funding: None, other than personal  
Status: In Progress

4. Dissertation Research

Campbell, Kenneth  
An Analysis of Biomorphic and Zonomorphic Sculptures of Nigeria and their Iconography  
Funding: None, other than personal  
Status: In Progress

Supervised Student: Wei Mei Hsiung  
MS Thesis Tissue Alkaline Phosphatase Activity in the Large Mouth Bass  
Funding: Departmental  
Status: Complete

Supervised Student: Scott Stelber  
Tissue Deamination of L Amino Acids in Freshwater Teleost Fishes  
Funding: None, other than personal  
Status: In Progress

Isolation and Purification of Teleost Liver Arginase  
Funding: University Research Grant  
Status: In Progress

Faey, Dr. Marcus  
The Flora and Plant Communities of the Pigeon Lake Region, Chequamegon National Forest, Bayfield County Wisconsin.  
Funding: None, other than personal  
Status: In Progress

Font, Dr. William  
Survey of Ectoparasites and Helminth Endoparasites of Selected Vertebrates and Aquatic Invertebrates of Eau Claire County  
Funding: Departmental  
Status: In Progress

Ho, Dr. Yui T.  
Genetic Improvement By Combining Superior, Dominant Alleles From Different Populations in a Naturally Cross - Fertilized Species  
Funding: University Research Grant  
Status: Complete

When a foundation stock is to be formed by crossing two homozygous source a decision is required concerning populations to be used. In situations where there is a substantial genetic improvement to be made and a major portion of the potential can be achieved, the loss from using x1/2 (or x3/4 when the two source populations differ considerably in performance) rather than the optimum for x (which is the population contributed to the foundation stock by the better source population); whatever it might be is small.

Jewell, Dr. Thomas  
Fungal Pathogens of Freshwater Fish: Reactions of Infective Zoospores to Thermal Pollution  
Funding: University Research Grants  
Status: In Progress

Lewke, Dr. Robert  
Constriction Behavior in Newborn Kingstrokes  
Funding: None, other than personal  
Status: In Progress

Lim, Dr. John  
Supervised Student: John Boczyk  
A Genetic Analysis of Organization of the Chromosome Segment in Drosophila melanogaster  
Funding: University Research Grant  
Status: In Progress

Specific Loci Mutation by Transforming DNA in Drosophila  
Funding: None, other than personal  
Status: In Progress

Naughten, Dr. John  
Investigation of the Effect of Involvement in the Regeneration on Derm Mesenchyme's ability to induce Skin Gland Formation  
Funding: University Research Grant  
Status: In Progress
Major Student Research (for which you are an advisor)

Crown, Dr. David  Supervised Student: Dennis Pianucci
Ecological Survey of Upper Rubicon River
Funding: None, other than personal
Status: In Progress

O'Connell, Dr. Kevin  Supervised Student: Arpon Haben
Estrogenic Effects on RNA Polymerase Activity in the Endometrium and Myometrium of the Uterus: A Time Course
Funding: University Research Grant
Status: In Progress

Owen, Dr. Oliver  Supervised Student: Fredrick B. Krause
Foraging Behavior of Some Wisconsin Woodpeckers
Funding: None, other than personal
Status: Complete

A study of the foraging behavior of woodpeckers was completed during the late winter and spring of 1975 in Dunn County, Wisconsin. Intra-specific and inter-specific comparisons were made on both spatial and temporal basis. Five species of sexually diomorphic birds were observed including the Flicker, Red-bellied Woodpecker, Yellow-bellied Sapsucker, Downy Woodpecker and Hairy Woodpecker.

Snudden, Dr. Birddell  Supervised Student: Clement M. Ng
Microbiological Determination of Sources of Fecal Contamination in the Natural Waters of the Eau Claire Area
Funding: Departmental
Status: Complete

Supervised Student: Thomas Adams
Isolation of Enteropathogenic Escherichia coli from Natural Waters of the Eau Claire Area
Funding: Departmental
Status: In Progress

Lim, Dr. John  Supervised Student: Sharon Olson
Mutagenic Effects of Ethyl Methanesulfonate on the Giant-white Region Inserted in the Y Chromosome of Drosophila melanogaster
Funding: University Research Grant
Status: Complete

This experiment represents an attempt to provide information about the mutagenic actions of ethyl methanesulfonate (EMS) on a heterochromatin-associated euchromatic segment in Drosophila melanogaster. Recessive lethal mutations were induced in the giant-white region and the X chromosome inserted into the Y chromosome. The mutations were induced from feeding 25 mM EMS in 1% sucrose for both 12 and 24 hours. The 12-feeding resulted in a frequency of 1% (36/3, 635) recessive lethals recovered in the transposed giant-white region. Complementation tests showed that all but one were single-site mutations. One was a double mutant having two lesions in non-adjacent complementation units. A lethal frequency of 2.4% (763, 154) was obtained from the 24 hour feeding. Five of these lethals were deletions, three were double mutants and the remaining 66 stocks were single site mutations. Four of the five deletions were deficient for the entire transposed giant-white region, both breaks having occurred in the Y chromosome. The fifth deletion had one break between zw-2 and zw-3 and the second break in the Y chromosome. Each of the three double mutants had lesions in two non-adjacent loci. Work by Lim and Snyder (1974) showed a frequency of 0.9% recessive lethal point mutations in the giant-white region in the X chromosome after 24 hour feeding with 25 mM EMS. The present data indicate a more than 25-fold increase in the frequency of such lethals after comparable treatment time of giant-white region of the X transposed into the Y chromosome. This increase constitutes a sharp contrast with the results of Bishop and Lee (1973) who found no differences in the frequencies of point mutations of the yellow locus located in the normal X-chromosome position incorporated into the Y chromosome. Only one of the ten breaks associated with the five deletions was in the transposed euchromatic region and the remaining nine breaks were in the heterochromatic Y chromosome. The breakpoints associated with the deletions are consistent with the results of Bishop and Lee (1973), Williamson (1970), and with the hypothesis of Lim and Snyder (1968 and 1974) that deletions in the euchromatic regions of the Drosophila genome are produced in very low frequency by monofunctional alkylating agents.

4. Dissertation Research

O'Connell, Dr. Kevin  Supervised Student: Bob Brueswitz
The effects of DDt on Male and Female Reproductive Processes
Funding: None, other than personal
Status: In Progress
CHEMISTRY
Chairman: Floyd D. Krause

Research and Investigation

Campbell, Dr. Donald Collaborator: Richard Duerst
New B-diketo Metal Complexes
Funding: University Research Grant
Status: In Progress

Denla, Dr. Allen Supervised Student: James Zank
A Chemical and Physical Study of Polymer Films
Funding: Departmental and Federal
Status: In Progress

Duerst, Dr. Richard Supervised Students: Greg Grilese
Funding: University Research Grant
Status: In Progress

Supervised Student: Joe Wahlquist
New B-Diketo Metal Complexes. I. Synthesis and Characterization.
Funding: University Research Grant
Status: In Progress

Supervised Student: Patricia Diny
Metal-Metal Pair Interaction Studies
Funding: Federal
Status: In Progress

Groukas, Dr. William Supervised Student: George Meitjner
Synthesis Bio-reactivity and Structure-activity Relationships of Maleimide Antibiotics
Funding: None, other than personal
Status: In Progress

Supervised Student: James Troemel
Design and Synthesis of Bio-active Compounds: Anti-tumor Agents
Funding: None, other than personal
Status: In Progress

Ochrynowycz, Dr. Leo Collaborators: Thomas Jones
Design and Synthesis of Ligands for Model Membrane Active Transport Studies
Funding: University Research Grant
Status: In Progress

Collaborator: David B. Rorabacher
Supervised Student: Michelle Tashchner
The Synthesis and Coordination of Mixed Aza-Thia Macrocyclic Model Ligands for "Blue" Copper Proteins
Funding: Federal
Status: In Progress

Collaborator: David B. Rorabacher
Supervised Student: Adrian Leung
The Synthesis and Coordination of Tetradenate Heterodonor Acyclic "Blue" Protein Ligand Models
Funding: Federal
Status: In Progress

3. Major Student Research

Chenier, Dr. Philip Supervised Student: Dave Golombeski
4-Substituted Nortricyclenes: Synthesis and Antiviral Activity Against Influenza.
Funding: Departmental, University Research Grant
Status: In Progress

Ochrynowycz, Dr. Leo Supervised Student: Richard L. Brown
Methodology for Chemotherapeutic Evaluation of Macrocyclic Polyaethers as Mercury(II) Scavenging Agents
Funding: University Research Grant
Status: Complete

Methodology was devised for evaluation of macrocyclic polyethers as potential mercury(II) scavenging systems in living mammalian organisms (CBA strain mice). Assay methods of biotransport were based on test and control group corrections from atomic absorption monitoring of waste material elimination and by whole and selective organ Hg203 radio tracer analysis. All data was subjected to rigorous multivariate analysis.

Supervised Student: Mark Purgett
Synthesis of Hexadentate Macrocyclic Polyethers - Side Chain Derivatives of Polycyclic Forms.
Funding: Federal
Status: In Progress

7. Innovative Pedagogical Project

Klink, Dr. Joel
Subject Matter Diversification Via Modular Instruction
Funding: University Research Grant, Other
Status: In Progress

COMMUNICATIVE DISORDERS
Chairman: Theodore Peters

Research and Investigation

Larson, Dr. Vicki Collaborator: Peter Mueller
Comparison of the Effectiveness of Visual - Auditory Media in the Analysis of the Clinical Process
Funding: University Research Grant
Status: Complete

The present investigation was designed to compare the effectiveness of audio versus videotape presentations in the analysis of the clinical process. Students, who served as subjects, were exposed to two experimental conditions consisting of audio-visual and audio recordings of commonly encountered communicative disorders. For all conditions, the subjects rated fifteen clinical skills on a seven point scale. Different ratings were obtained depending on the mode of presentation and type of disorder.

Collaborator: Sylvia Steiner
Listener Effects on Language Behavior in Young Children
Funding: None, other than personal
Status: In Progress

Mueller, Dr. Peter Collaborator: Theodore Peters
A Clinical Record Keeping System
Funding: None, other than personal
Status: Complete

A clinical record keeping and coding system was developed to facilitate convenience and efficiency of clinical information storage and retrieval.
3. Major Student Research
Larson, Dr. Vicki Supervised Student: Susan Prihnow Preschool Children's Comprehension of Concepts using an Object Manipulation Versus a Picture Pointing Task Funding: None, other than personal Status: In Progress

6. Program with Federal or Foundation Support
Larson, Dr. Vicki Center - Based Infant Programming (Birth to Age 3) in Cognition and Language Funding: Federal Status: In Progress

Peters, Dr. Theodore Collaborators: Dr. Sylvia Steiner Dr. Robert Carbaugh United States Office of Education Competency - Based Model for M.S. - Communicative Disorders Funding: Federal Status: In Progress

Computer Science
Chairman: Dr. David Nuesse

1. Research and Investigation
Larson, Dr. Leonard PLANET Implementation Funding: Departmental Status: In Progress

Economics
Chairman: Dr. Donald Eillickson

1. Research and Investigation
Altmann, James Collaborator: Dr. Keith Leitner Output Comparison - Monopoly vs. Pure Competition Funding: None, other than personal Status: Complete

Carbaugh, Dr. Robert Collaborator: Dr. Llang-Shing Fan The International Monetary System: History, Institution, Analyses Funding: Other Status: In Progress

Carbaugh, Dr. Robert The Shattered Snake: Exchange Market Adjustments Funding: None, other than personal Status: Complete

Carbaugh, Dr. Robert A Reexamination of the Net Revenue Maximization Hypothesis Funding: None, other than personal Status: Complete

Leitner, Dr. Keith Collaborator: Dr. M. Jarvin Emerson Effects of State Pollution Control Programs on Industrial Location Funding: Other Status: Complete

Leitner, Dr. Keith State Pollution Control Programs: A Review Funding: None, other than personal Status: Complete

Leitner, Dr. Keith State Dilemma: Environment Vs. Development Funding: None, other than personal Status: Complete

4. Dissertation Research
Egan, James The Impact of Relative Tuition Rate Changes Upon the Academic Quality of Students Admitted to Private and Public Higher Education Institutions Funding: Foundation Status: In Progress

6. Program with Federal or Foundation Support (other than research)
Carbaugh, Dr. Robert Collaborators: Dr. Keith Leitner Dr. Robert Carbaugh Economic Development: Cumberland Township Funding: Federal Status: In Progress

Leitner, Dr. Keith Collaborators: Dr. Robert Carbaugh Economic Development: Cumberland Township Funding: Federal Status: In Progress

Leitner, Dr. Keith Collaborators: Mr. Fred Waedt Dr. Robert Carbaugh Eau Claire-Chippewa Economic Indicators Funding: Federal Status: In Progress

English
Chairman: Douglas Pearson

1. Research and Investigation
Arata, Esther Research on the Lives of Three Women Who Lived During the Reign of Louis XIV. The Researched Information will be Utilized to Write a Historical Novel Funding: None, other than personal Status: In Progress

Collaborator: Nicholas Ratoli Black American Playwrights: A Bibliography Funding: None, other than personal Status: Complete

Black American Playwrights is a bibliography which not only provides the plays, musicals films, television and radio scripts written by each playwright but also includes criticisms and reviews on each individual work, a general bibliography, and a play title index. Over 1,500 playwrights and 4,000 playtitles are included in this work designed to aid librarians, teachers, students, and writers interested in the dramatic contributions made by Black American playwrights from the early 18th century to 1975.
CURRENT PROJECTS, PROGRAMS AND RESEARCH, 1975, (continued) 6

**Collaborators:** Theresa Rush
Carol Fairbanks Myers

**Black American Writers: Past and Present**

**Funding:** University Research Grant and other
**Status:** Complete

**Black American Writers** is a two-volume dictionary which provides information about the lives and works of more than 2,000 Black American writers in the various literary genres - poetry, drama, fiction, and criticism and about writers of non-fiction whose works are studied in Black Literature courses. It is designed to aid librarians, teachers, students and writers interested in the literary contributions made by Black American writers from the early 18th century to the present. Each alphabetically arranged writer entry includes a bibliography listing all known published books by that person, including non-fiction, with listings of biography, criticism, and guides to further information. Biographical information is provided for 450 living authors (as provided by the authors themselves) and for 150 deceased writers. Many of the entries also include quotations which express the writers' ideas, theories, impressions, and philosophies. Photos of the writers are included in many instances. Also provided is a general biographical guide to research in the literary genres, appendix listings of critics, historians, and editors, and an introduction by Eugene B. Redmond, Professor of English and Poet-In-Residence in Ethnic Studies, California State University, Sacramento.

**Curtis, Allen**

**Altered Phonological Development in a Young Child**

**Funding:** None, other than personal
**Status:** In Progress

**Morris, Elizabeth**

**The Common Topics of the New Rhetoric**

**Funding:** None, other than personal
**Status:** In Progress

**Myers, Carol Fairbanks**

**Women In Literature: Criticism of the Seventies**

**Funding:** None, other than personal
**Status:** Complete

This bibliography includes material published between 1970 and Spring 1975 relating to women in literature: 1) literary criticism examining women characters in relation to other women, to men, to family, to work, to community, and to the times and cultures in which they live; 2) biographical and critical studies of women writers; 3) interviews; and 4) selected book reviews.

**St. Louis, Dr. Nadine**

**A Feminist Perspective in Science Fiction: Some Critical Approaches** - a paper presented to the Midwest Modern Language Association

**Funding:** None, other than personal
**Status:** Complete

The paper examines the short stories "Helen O'Lord" (Lester del Rey) and "Automation" (A.E. Van Vogt) and the novel The Gods Themselves (Isaac Asimov) in light of recent Feminist criticism. Through close reading it attempts to answer the question, how can one deal with sex-role stereotyping in science fiction without losing sight of the larger focus of the literature?

2. **Artistic Production, Showing or Recital**

**Taylor, Bruce**


C.J. Kendall Hunt - Dubuque 1975

**Funding:** None, other than personal
**Status:** Complete

An Anthology of Contemporary American Poetry done by American Poets under 35.

"Rising Out Of Love" - poems

**Funding:** None, other than personal
**Status:** In Progress

A seventy-two page manuscript of original poetry

3. **Major Student Research**

**Alexander, Dr. Robert**

**Supervised Student:** Sylvia Gengenbach

**Milton's Influence on Keats and A Shelley Bibliography**

**Funding:** None, other than personal
**Status:** Complete

St. Louis, Dr. Nadine

**Supervised Student:** Donna Gustafson

**Teaching For The Future: Science Fiction in the Classroom**

**Funding:** None, other than personal
**Status:** In Progress

This is an MS thesis research paper consisting of an introduction and complete teaching materials for a semester's course in science fiction at the high school level. Teaching materials are developed by thematic units and include reading lists, study and research questions, and sample tests and work sheets.

4. **Dissertation Research**

**Hirsch, Dr. Timothy**

**Andrew Tainter, 1823-1899: A Biography of a Menomonee, Wisconsin Lumber Barron**

**Funding:** None, other than personal
**Status:** Complete

The life and times of one of the partners in Knapp, Stout & Co. one of the largest of the 19th century lumber companies. The work concentrates on social and cultural conditions which influenced the life and work of Andrew Tainter and his family.

**Ward, Dr. Edna**

**Collaborator:** Carol Fairbanks Myers

**An Anthology of Short Stories and Literary Criticism for use in Women's Studies Literature Courses**

**Funding:** None, other than personal
**Status:** In Progress

**FOREIGN LANGUAGE**

**Chairman:** Dr. Vernon Gingerich

4. **Dissertation Research**

**Bacharach, Nilda**

**Ideas of Progress and Expectations for Future Developments for Georg Forster's Writings (1754-1794)**

**Funding:** None, other than personal
**Status:** Complete

Georg Forster is a controversial figure in German Literature because of his participation in the French Revolution. In order to find a more objective base for the interpretation of his works the study traces his ideas of progress in nature and history through the various stages of his life and tries to show his indebtedness to other thinkers of the same period. It also serves to point out the liberal and totalitarian tendencies in his writings.

**Gunn, Richard**

**Wolfgang Konnen's Postwar Novels**

**Funding:** None, other than personal
**Status:** In Progress

7. **Innovative Pedagogical Project**

**O'Connor, Edith**

**A Simple Composition Manual with Exercises for Teaching Beginning Composition in French**

**Funding:** None, other than personal
**Status:** Complete
Funding: Departmental
Status: Complete

These four maps showed development in Tanzania over a period of years beginning in 1939 through 1964.

Collaborator: Dr. James Foust
Socio-Economic Indicators Atlas of Wisconsin
Funding: Federal, Other
Status: Complete

This study investigates the relationship of urban growth and industrialization in the Ukraine from 1860 to 1910. A classification of urban centers according to their principal functions is provided along with their comparative population growth rates, showing the greatest population increases in centers of primary activity.

The official view of the United States through Soviet Eyes - (actually two projects; one - an expansion and update of textbooks; two - the U.S. as depicted in Pravda)
Funding: None, other than personal
Status: In Progress

5. Dissertation Research

Bouchard, Thomas
Impact of State Environmental Impact Statement
Requirements on their Respective Environmental Agencies
Funding: None, other than personal
Status: In Progress

6. Program with Federal or Foundation Support

Goranson, Dr. Leonard
Collaborators: Dr. James Foust, Gilbert Tanner
Project in the Development of an Atlas of Socio-Economic Indicators in Wisconsin
Funding: Federal, Other
Status: Complete

The objective of this project was to develop a series of maps representing many socio-economic indicators in Wisconsin. They were drawn as isoline maps using the Calcomp plotter at the Computer Center of the University of Wisconsin - La Crosse. The data for this project were assembled, coded and prepared for the plotter processing, using counties as the basic areal units.

7. Innovative Pedagogical Project

Palm, Richard
Physical Geography Media Program
Funding: Other
Status: In Progress

These maps show eleven types of recreational information (measured in standard deviation) for Wisconsin (by county) and accompanied by a paper by Dr. Foust on recreational travel from Chicago to Wisconsin.
Seitz, Ethel

Soll Moniths for Teaching Purposes
Funding: None, other than personal
Status: In Progress

Thiede, Alice

Collaborator: Dr. Anthony Desouza
Four graphs (completed in December 1975) of a series
showing numerous methods of visually representing pop-
ulation data (the last of this series not yet completed)
Funding: Departmental
Status: In Progress

Thiede, Alice

Collaborators: Dr. Roland Nichols
Dr. Ethel Seitz
Dr. Ronald Thiede
Base map preparation for use in classes
Funding: Departmental
Status: Complete
Maps of a) Europe, Africa, Central America, South
America b) National Parks in Lost Lake Region c)
Climatic Patterns over Asia, Drainage Basins over
Asia, Bird Patterns over Asia, Regional Centers of
Historic Population growth in the Far East d) Europe
Latin America, U.S.S.R., Arab world, Far East, Australia,
Africa e) World Maps with numbered countries.

Thiede, Dr. Roger

Four Chapters on Eastern Europe and the Soviet Union in
Forthcoming Text “Rich Nations and Poor Nations”
Funding: None, other than personal
Status: In Progress

HISTORY
Chairman: Dr. Ronald Nickel

1. Research and Investigation

Lutz, Dr. Howard

Selected writings of Emilla Fugelkjon in English
Translation
Funding: None, other than personal
Status: In Progress

Nickel, Dr. Ronald

Concepts Held by White American Intellectuals of
Afro-Americans in the 1920's.
Funding: None, other than personal
Status: In Progress

Warloski, Dr. Ronald

Intellectuals, Religion and Alienation in Modern
Europe
Funding: None, other than personal
Status: In Progress

3. Major Student Research

Fraser, Dr. Robert

Supervised Student: Thomas Hofslien
Baldwin and the Historians: An Evaluation of Stanley
Baldwin’s Second Government and his Domestic Record
Between 1924 and 1929
Funding: None, other than personal
Status: Complete
This master's research paper explores whether the
judgement of several historians that Stanley Baldwin
effectively prevented domestic strife and helped
interate the Labour Party into the constitutional
system is justified. Hofslien’s conclusion is that
Baldwin’s contribution in this regard has been over-
estimated.

Revisions for 2nd edition of Man’s Physical Environment -
Atmosphere course manual
Funding: None, other than personal
Status: In Progress

Nickel, Dr. Ronald

Supervised Student: Kathryn Rank
The role of Women in Reform Organizations in Milwaukee
during the Progressive Era.
Funding: None, other than personal
Status: In Progress

Supervised Student: Jane Pederson
The Feminism of Ellen Key and Charlotte Perkins Gilman:
A Comparative Study
Funding: None, other than personal
Status: Complete
These two women were influential feminists, one in
Scandinavia and the other in the United States, in
the early twentieth century. Their views on the nature of
women, women’s sexuality, the proper “sphere” for women
and effective approaches to reform or equal rights for
women provide a contrast that throws light on the
tensions of the women’s movement in the past seventy
years.

Pond, Dr. Edward

Supervised Student: Margaret
Whittaker Ott
Cleopatra VII: Stateswoman or Strumpet?
Funding: None, other than personal
Status: Complete
A paper which deals with the adult life of Cleopatra VII
and attempts to demonstrate the “bad press” Cleopatra
received in antiquity. The conclusion arrived at is
that Cleopatra proved to be one of the most capable
politicians of the Julius Caesar - Mark Anthony era,
49 - 30 BC, and except for one unfortunate battle
she might have at least been a joint ruler of the
Roman Empire ruling from Alexandria.

Cochrana, Dr. William

Supervised Student: Gene Lokken
Wisconsin Press Reaction to Clemen L. Vallandigham
Funding: None, other than personal
Status: Complete
This is a study of the thoughts and actions of Clement
L. Vallandigham, the leader and most controversial of the
Peace Democrats during the Civil War, and of the reactions
of Wisconsin newspapers in a sampling of forty-six
Wisconsin newspapers. One conclusion of the
study is that the Wisconsin press does not provide a
reliable answer to the question of whether Vallandigham
was a traitor because his treatment in these journals
depends so much upon the partisan views of the editor that
any fair judgement from them would be impossible.

4. Dissertation Research

Miller, Thomas
The family in Late 16th and Early 17th Century
Germany
Funding: None, other than personal
Status: In Progress

5. Institutional Study

Warloski, Dr. Ronald
The Status of Research on the Eau Claire Campus
Funding: Other
Status: In Progress

7. Innovative Pedagogical Project

Warloski, Dr. Ronald
Individualized Media Supplements for Western
Civilization Courses.
JOURNALISM
Chairman: Elwood Karwand

1. Research and Investigation

Polk, Leslie D.
A Content Analysis of Daily Newspapers and Selected Large Circulation Weekly Newspapers In Co-operation with the White House Press Office.
Funding: None, other than personal
Status: Complete

2. Major Student Research

Jenson, Dr. John
Supervised Students: Dean Acheson
Linda Close
Kathleen Pheifer

A Content Analysis of Select Wisconsin Daily Newspapers Between July 26, 1972 and August 5, 1972 Concerning Thomas Eagleton
Funding: None, other than personal
Status: Complete

The study attempted to measure the impact of select Wisconsin Dailies within a narrow range of time concerning the resignation of Thomas Eagleton as the Democratic Vice Presidential candidate. Among the factors the study determined was that the attention scores did not seem to have any correlation with the size of the newspapers; b) use of photographs varied sharply from 51 to 0 column inches; c) headline attention scores formed a bell shaped curve; d) the Janis-Rader Coordinates of Imbalance were insignificant, ranging from a positive .068 to a negative .063 and e) newspaper oriented editorials and letters-to-the-editor were highly favorable to Eagleton while syndicated columns and cartoons were unfavorable.

Jenson, Dr. John
Supervised Students: Preston Amua-Sekyl
Keith Goldschmidt
Ron Henn
Sarah Mehring

Foreign News Coverage in Four Wisconsin Metropolitan Dailies
Funding: None, other than personal
Status: Complete

The purpose of the study essentially was to examine how thoroughly foreign news is covered by the four leading daily newspapers in Wisconsin. The researchers of the study found during October 1975 that a) the Milwaukee Sentinel carried the greatest variety of foreign news stories but that the Milwaukee Journal carried stories more in depth; b) the Milwaukee Journal gave the highest average daily space to foreign stories, 2.48, while the Wisconsin State Journal at 1.42 scored lowest; c) more stories appeared on page one in the Milwaukee Sentinel than in any other newspaper, and d) more stories of political news were published than any other type story.

Jenson, Dr. John
Supervised Students: Claire Bennett
Craig Harris
Thomas Jeckel
Paul Peterson

A Research Study of Local Radio News Coverage in Wisconsin
Funding: None, other than personal
Status: Complete

The aim of the study was to determine how well Wisconsin radio stations serve the public in the area of local news coverage. Some of the results were that a) some radio stations are providing extensive news coverage while others use few local stories; b) 52% of the stations surveyed used less than four stories with tape bites, and c) 70% of the stations have fewer than three full-time reporters.

Supervised Students: Peggy Gun
Patrick Belahnt
Mary Kirschebaum

Women in the Wisconsin Media
Funding: None, other than personal
Status: In Progress
The purpose of the study was to ascertain the number of women employed as journalists by the Wisconsin media. The researchers found that 25% of the news-editorial positions are held by women on daily newspapers in the state which have a circulation of 30,000 or less, and that only 16% of the news-editorial positions are held by women on newspapers with a circulation of 30,000 or more. It also was determined how many women work for radio and television stations in various size markets and how many women have been hired over the last five years by newspapers and radio and television stations.

MATH
Chairman: Dr. Lawrence Wahlstrom

1. Research and Investigation

Langer, Dr. Robert
Application of the Theory of Extremal Points of a Convex Set in a Locally Convex Space to the Livsic Moments Problem
Funding: None, other than personal
Status: Complete

Teeters, Dr. Joseph
Geometric Transformation Theory and Tessellation Art Designs
Funding: None, other than personal
Status: Complete

4. Dissertation Research

Sparks, Billie
Student Achievement in Solving Verbal Problems Related to Teacher Training and Experience
Funding: None, other than personal
Status: Complete

7. Innovative Pedagogical Project

Haar, Dr. Eli
Mathematical Elements in the Arts
Funding: None, other than personal
Status: Complete

This was submitted to the Project for the Promotion of Science Writers and Journalists (funded by the Bat-Sheva de Rothschild Fund for the Advancement of Science and Technology) where it won the second award in June 1975. An English translation will appear in the March, 1976 issue of the Journal of College Science Teaching.

Sparks, Billie
Supervised Students: John Bresina
Joan Schalf

The Development of a Competency Based Learning System for Intermediate Algebra and Trigonometry
Funding: University Research Grant
Status: In Progress

MUSIC
Chairman: Dr. Milton Schmale

1. Research and Investigation

Taylor, Dale
Collaborator: Dr. Donald Michel
A Review of Licensing, Accreditation, Certification, and Registration in Various Health Professions
Funding: None, other than personal
Status: In Progress
2. Artistic Production, Showing or Recital

Baker, Dr. David
Composition for Chorus and Orchestra (to be performed April 11, 1976)
Funding: None, other than personal
Status: In Progress

Bennett, Roy E
Collaborator: Michael Cunningham
Faculty Recital
Funding: Departmental
Status: Complete

Bors, Ada L
Collaborators: Dr. Rupert Hohmann
Dominic Spera
Shirley Wright
Viennois Ball
Funding: Other
Status: Complete
The Viennois Ball is an event sponsored by University Programs with primary emphasis of public relations between the University and the larger Eau Claire community. The Ball was presented April 12, 1975 and featured two contrasting ensembles - the University Symphony Orchestra and the Jazz Ensemble I. Funds obtained from the event go to special senior-level music scholarships.

Burky, Kenneth
Faculty Concerts
January 19, 1975 - Piano Trio Concert
March 19, 1975 - Faculty Piano Recital
September - Opening Concert Ecmenical Center Dedication
October 22, 1975 - Faculty Cello Concert
Funding: None, other than personal
Status: Complete

Burky, Louise
Collaborator: Jerry Bramlett
Flute Recital - Works of Burton, Bloch, Roussel and Huczynski
Funding: None, other than personal
Status: Complete

Clute, James
Approximately 130 performances as section bassist with the Minnesota Orchestra
Funding: None, other than personal
Status: Complete

Cunningham, Or. Michael
New Beginnings (a choral cantata with brass choir accompaniment)
Funding: None, other than personal
Status: Complete

Duet - Etudes (for trumpet and bass trombone)
Funding: None, other than personal
Status: Complete

String Quartet ("Partitions")
Funding: None, other than personal
Status: Complete

Aedon (a tone-poem for electronic tape and orchestra)
Funding: None, other than personal
Status: Complete

To Night (Concert Aria for Baritone)
Funding: None, other than personal
Status: Complete

Hymn to the Night (Concert Aria for Mezzo Soprano)
Funding: None, other than personal
Status: Complete

Dick, Beverly
Collaborator: Nancy Rice
Voice Recital - October 5, 1975
Funding: None, other than personal
Status: Complete

Vocal Quartet Recital - July 15, 1975
Funding: None, other than personal
Status: Complete

Interpreter's Theater Production - "John Brown's Body"
Musical Director November 5 - 15, 1975
Funding: None, other than personal
Status: Complete

Gultinian, Michael
Faculty Recital (planned for March 29, 1976)
Funding: None, other than personal
Status: In Progress

Hendel, Penelope
Faculty Piano Recital on January 26, 1975
Funding: None, other than personal
Status: Complete

Program featured three Scarlatti Sonatas, the Schumann Fantasia, four Chopin Etudes and the Alberto Ginastera Piano Sonata.

Faculty Piano Recital on September 14, 1975, Kantner Hall
Funding: None, other than personal
Status: Complete

This program featured the J.S. Bach e minor Toccata, Mozart Sonata, K. 333, Balakirev Islamey, Chopin b flat minor Scherzo and the Samuel Barber Piano Sonata.

Piano Recital on May 4, 1975 for the Wisconsin Federation of Music Clubs Convention
Funding: Other
Status: Complete

Performance of the following piano works: three Scarlatti Sonatas and the Samuel Barber Piano Sonata

Collaborator: Rupert Hohmann
Faculty Chamber Recital consisting of the following works for violin and piano: Mozart Concerto in G, K. 216, Brahms Sonata, Op. 78, Kreisler Variations, Introduction et Rondo Capriccioso, Op. 28 by St. Saens and the Wienawski Scherzo-Tarentelle.

Collaborator: Joy Blackett
Vocal Chamber Recital presented by Summer Session Programs in co-operation with the University Department of Music and the MMT Regional Workshop
Funding: Other
Status: Complete

This recital using voice and piano featured several Spanish songs, the Brahms Zigeunerlieder, the Ravel Chansons Madecasses, a Bizet aria from "Carmen" and closed with several Negro spirituals.

Collaborator: Daniel T. Berry
Faculty Vocal Chamber Recital on April 20, 1975
Funding: None, other than personal
Status: Complete

This bass/piano recital featured important nineteenth-century Russian songs.
Conducted Schubert Mass in F at Our Savior’s Lutheran in Eau Claire on February 23, 1975.
Funding: None, other than personal
Status: Complete

Presented Organ Recital at Our Savior’s Lutheran in Eau Claire on February 23, 1975.
Funding: None, other than personal
Status: Complete

Faculty Solo Cello Recital in Recital Hall - UW-Ec
Funding: None, other than personal
Status: Complete

Cello Recital at Freeborn, Minnesota on May 16, 1975
Funding: None, other than personal
Status: Complete

Cello Recital on September 9, 1975
Funding: None, other than personal
Status: Complete

Opening Concert at the Ecumenical Center - Cello on September 16, 1975.
Funding: None, other than personal
Status: Complete

Cello Concert in Gantner Concert Hall on October 22, 1975
Funding: None, other than personal
Status: Complete

Rococo Variations (Tchaikowsky) with the University Orchestra at Kenosha and Racine, Wisconsin on November 5 and 6, 1975
Funding: None, other than personal
Status: Complete

Soloist Rococo Variations (Tchaikowsky) with the University Orchestra at Gantner Concert Hall - UW-EC on November 9, 1975
Funding: None, other than personal
Status: Complete

Conducted University Chamber Orchestra Concert on November 24, 1975.
Funding: None, other than personal
Status: Complete

Organ Recital at Our Savior’s Lutheran for Organ Walk on December 7, 1975.
Funding: None, other than personal
Status: Complete

Organ Recital and choir concert at Our Savior’s Lutheran on December 14, 1975
Funding: None, other than personal
Status: Complete

Conducted Chamber Orchestra at Ecumenical Center Concert on September 20, 1975
Funding: None, other than personal
Status: Complete
Conducted Chambert Orchestra at Davies Center on October 25, 1975
Funding: None, other than personal
Status: Complete

Lunde, Ivar
Collaborator: Nanette Lunde
Faculty Recital
Funding: None, other than personal
Status: Complete

The recital was given on Sunday, April 13, 1975. The music performed represented the Baroque, the Classical, and Contemporary periods of musical writing. The harpsichord and oboe were the featured solo instruments.

Quartet for Saxophones
Funding: None, other than personal
Status: Complete

The composition was performed for the first time on Monday, April 28, 1975, in the Gander Concert Hall, UW-EC. The work is in one movement and organized in three sections: fast - slow - fast. The composition utilizes a twelve-tone row throughout. It is scored for soprano, alto, tenor, and baritone saxophone.

Nuances for Clarinet Choir, Opus 55
Funding: None, other than personal
Status: Complete

The composition was premiered on Saturday, January 24, 1976, in the Recital Hall, Tawes Fine Arts Center, University of Maryland, College Park, Maryland. It received 1st. prize in the University of Maryland/Kendor Music Inc. Clarinet Choir Composition Contest during 1975. Kendor Music Inc. will publish the work.

Sonata No. 4 for Piano, Opus 56
Funding: None, other than personal
Status: Complete

This work has four movements. Each movement contains a twelve-tone row. The third movement, however, contains a superimposed popular Norwegian melody. The work is dedicated to my Father, Ivar Lunde.

Symphony No. 1 for Symphony Orchestra, Opus 57
Funding: None, other than personal
Status: In Progress

Psalm 26, Opus 58 (Judica Me, Domine)
Funding: None, other than personal
Status: Complete

This composition is scored for mixed choir. The work utilizes contemporary vocal techniques such as glissando, speaking, tone-clusters, meter changes, etc.

Sonata No. 5 for Piano, Opus 59
Funding: None, other than personal
Status: In Progress

Rice, Nancy
Collaborator: Rodney Hudson
Faculty Recital
Funding: None, other than personal
Status: Complete

Collaborator: Albert Gammon
Faculty Recital
Funding: Other
Status: Complete

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

Scheffel, Dr. Kenneth
Collaborators: Daniel Berry
Beverly Dick
Kathryn Proctor
Nancy Rice

Vocal Quartet Recital
Funding: Other
Status: Complete

The preparation and performance of ensemble music for solo voices by Schumann, Rossini, and von Flotow, on July 15, 1975, and presented by UW-EC Summer Session Programs in cooperation with the Department of Music and the North Central Regional Workshop of the National Association of the Teachers of Singing.

Collaborator: Michael Cunningham
Premiere performance of "Hug and Bean" -- an opera by Michael Cunningham, March 7, 1975
Funding: None, other than personal
Status: Complete

Collaborator: Dr. Donald George
Performance of Honegger's "King David", April 27, 1975, Tenor soloist
Funding: None, other than personal
Status: Complete

3. Major Student Research

Dick, Beverly
Supervised Senior Recitals for four students
Funding: None, other than personal
Status: Complete

Hilbrich, Dr. Paul
Supervised Student: Carole Skutley
Funding: None, other than personal
Status: Complete

An annotated bibliography dealing with Orff's Music for Children. It examines the critical literature that deals with American music education and is categorized according to various topics.

Kosower, Paul
Supervised Student: Sarah Burrington
Senior cello recital on April 20, 1975
Funding: None, other than personal
Status: Complete

Supervised Student: David Hoppe
Senior cello recital on April 23, 1975
Funding: None, other than personal
Status: Complete

Scheffel, Dr. Kenneth
Supervised Student: Barbara Butler
Junior Recital
Funding: None, other than personal
Status: Complete

The preparation of Barbara Butler's Junior Recital, performed January 22, 1975, which included representative works of Bononcini, Schubert, Chanler, and Edmunds.

Supervised Student: Barbara Butler
Senior Recital
Funding: None, other than personal
Status: Complete

The preparation of Barbara Butler's Senior Recital, performed on October 27, 1975, included important works of Bach, Wolf, Berger, Tchaikovsky, and Gurney.

Supervised Student: Timothy Coon
Student Recital, May 6, 1975
Funding: None, other than personal
Status: Complete
Supervised Students: Roxanne Trump
Bruce Hibbard

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

The preparation of a Senior Recital, performed by Roxanne Trump and Bruce Hibbard on December 3, 1975, which included representative works of Handel, Schubert, Mozart, Quilter, Ives, and Vaughan Williams.

Schimke, Dr. Milton
Supervised Student: Roy Munderloh
A Survey of the Use of Audio Visual Technology by Teachers of Instrumental Music in Selected Wisconsin High Schools.
Funding: None, other than personal
Status: Complete

The purpose of this study was to determine the uses of audio visual technology by teachers of instrumental music in selected Wisconsin High Schools. The study was limited to those high schools with student enrollments between 400 and 600.

Smith, Dr. Edwin
Supervised Student: Harley Mullenberg
A Study of Leo Sowerby's Unpublished Choral Works
Funding: None, other than personal
Status: Complete

4. Dissertation Research
Guilliman, Michael
The Absolute Music for Piano Solo by Leo Sowerby
Funding: None, other than personal
Status: In Progress

Johnson, Richard
The Songs of Charles I. Griffes
Funding: None, other than personal
Status: In Progress

3. Major Student Research
Hendel, Penelope
Supervised Student: Anthony Siriani
Senior Piano Recital presented in partial fulfillment of the requirements for the B.M. Degree
Funding: None, other than personal
Status: Complete
Program: J.S. Bach Toccata in G, Haydn Sonata in C, Schubert Wanderer Fantasy and three Rachmaninoff Etudes Tableaux

Supervised Student: Charles Pettee
Junior Recital in Piano presented in partial fulfillment of the requirements for the B.M. Degree.
Funding: None, other than personal
Status: Complete

Hendel, Penelope
Collaborators: Miriam Gargarlan
Nancy Rice
Plano Clinic for Junior and Senior High School Students held June 22-28, 1975 on the University of Wisconsin - Eau Claire Campus
Funding: Federal, Other
Status: Complete


Lunde, Nanette
Partita in g minor (Keyboard version by Nanette G. Lunde of the Partita in d minor for unaccompanied violin by J.S. Bach.)
Funding: None, other than personal
Status: Complete

The Partita in d minor of J.S. Bach for unaccompanied violin has been transposed to g minor, a more sonorous range on the harpsichord, and elaborated in the keyboard style of Bach's own transcriptions of his own and other composers' transcriptions of violin works. This project has necessitated a study of Bach's transcriptions and a thorough knowledge of 18th-century counterpoint. It will include a memorized performance of the keyboard version in recital at UW-EC.

PHILOSOPHY & RELIGIOUS STUDIES
Chairman: Dr. Phillip Griffin

1. Research and Investigation
Gross, Dr. Alta
Collaborator: Nancy M. Falk
Women and Religion in Non-Western Culture
Funding: None, other than personal
Status:

Gertner, Dr. Willis
Supervised Student: Richard Callendar
An Attitude Survey of Clergymen and Public School Administrators in the state of Wisconsin with regard to the Study About Religion in the Public Schools.
Funding: Departmental
Status: Complete

The survey discovered that though there is a positive attitude among Wisconsin clergypersons and school administrators toward the possibility of studying religion academically, there are reservations from both sectors regarding the legal question. Clergypersons favor more strongly the study about religion in the schools than do administrators. Both groups are generally uninformed about the legal environment for religion study which was clarified by some landmark Supreme Court decisions during the early 1960's.

7. Innovative Pedagogical Project
Cunningham, Dr. Michael
A Freshmen - Sophomore Theory Book
Funding: None, other than personal
Status: In Progress

A Manual Dealing with Music Compositional Techniques
Funding: None, other than personal
Status: In Progress

A Counterpoint Textbook Dealing with the Style of the 18th Century
Funding: None, other than personal
Status: In Progress
CURRENT PROJECTS, PROGRAMS AND RESEARCH 1975 (continued) 14

Rice, Dr. Daniel
Sidney Head and Civil Religion In America
Funding: None, other than personal
Status: In Progress

4. Dissertation Research

DeGroot, Richard
Dissertation on H. Richard Niebuhr's Notion of Person: An Analysis of a Personalist Theology
Funding: None, other than personal
Status: In Progress

7. Innovative Pedagogical Project

Beeling, Dr. Richard
Exercises in Sentential Logic
Funding: None, other than personal
Status: In Progress

Jannusch, Dr. Bruce
If You Can't Get It Right, Get It Straight: An Introduction to Four Rudimentary Philosophical Methods of Analysis
Funding: None, other than personal
Status: In Progress

PHYSICS
Chairman: Dr. Fredrick Schultz

1. Research and Investigation

Balleger, Dr. Donald
Solid State Investigations with a Carbon Dioxide Laser
Funding: Departmental
Status: In Progress

7. Innovative Pedagogical Project

Olson, Chester
Metric System Study Prints (2nd edition revised)
Published by E.M. Hale Co., Chippewa Falls, WIs.
Funding: Foundation, Other
Status: Complete

The study prints include 10 metric areas of measurement and study exercises. All written material has been revised since the publication of the original prints so as to include: Currency, length, area, volume, mass, temperature, force, work, time, and power in the sequence given and in increasing order of learning difficulty. All material is especially adaptable for use in junior and senior high school science and mathematics classes. The set is available at a cost of $14.95 per set. Library cards are available.

Smethills, Dr. William
New 14-Inch Telescope for Casey Observatory Equipped With a Photoelectric Photometer
Funding: Foundation, Other
Status: In Progress

POLITICAL SCIENCE
Chairman: Dr. Robert Gibbon

4. Dissertation Research

Ehrmeyer, Gerald
Audience Exposure To "Some Effects of a Slide-Tape Presentation on Counselor Role and Function"
Funding: None, other than personal
Status: In Progress

Tominson, Dr. Robert
Supervised Student: Gregory Gorman
The Effect of Congruence-Incongruence of Locus of Control and Field Dependence on EPQ Neuroticism and State-Trait Anxiety Scores
Funding: Status: Complete

"Externals", who are motivated primarily by outside sources, showed higher anxiety scores. No relationship was found between cognitive style (F1-F2), locus of control, and neuroticism.
SOCIOLOGY
Chairman: Dr. John Hunnicutt

1. Research and Investigation

Fiorio, Dr. George
Supervised Student: Judy Roegge
Major Organizational Variables Relating to Opposition to Forced Early Retirement
Funding: None, other than personal
Status: Complete

Different combinations of morale, centralization, stratification, routinization, and cohesion (as variables) are proposed for different occupational categories (unskilled and semi-skilled, white collar workers, managers, executives and professionals) that can be utilized in a study of forced early retirement. The paper was read at the Wisconsin Sociological Association Meetings held at Whitewater on October 10-11, 1975.

Minkus, Dr. Helaine
Supervised Student: Meg Heaton
Psychological Concepts of the Akwapim Akan of Southern Ghana
Funding: University Research Grant, Federal
Status:

Mitchell, Dr. Roger
A Study of the Distribution of Micronesian Folktales: Types and Narrative Motifs
Funding: Foundation
Status:

Tiffany, Joseph
Research on Mill Creek Settlement Patterns
Funding: Federal
Status: In Progress

Trojan, Dr. David
Parameters of Growth in Rusk County
Funding: Federal
Status: In Progress

2. Artistic Production, Showing, or Recital

Hunnicutt, Dr. John
Collaborators: Joseph Hisrich
Black Art
Funding: Foundation
Status: In Progress

Black Art is to be displayed in room 306. We have a student (art major) who is black and he proposes to paint six sketches involving copies of black sociologists and a representation of contemporary figures for a permanent display.

3. Dissertation Research

Tiffany, Joseph
The Social Dimensions of a Mill Creek Culture Site
Funding: None, other than personal
Status: In Progress

4. Institutional Study

Hisrich, Joseph
Collaborators: Steve Padgett
Health Service Survey - A Survey of Student Use Patterns and Evaluation of the Health Service on Campus. The survey was conducted at the end of the spring semester 1975 with the chancellor's approval.
Funding: Status: In Progress

5. Program with Federal or Foundation Support

Hisrich, Joseph
Collaborators: Robert Barganz
Application for State of Wisconsin Grant for Day Care Start Up Funds
Funding: Other
Status: Complete

Application asked for $5,000 for structural modifications of the child care center to use the basement of the building. Since $2,000 was granted and this amount of money was not enough to cover these costs, permission was asked and received to use the grant money for fencing and equipping the play area.

6. Innovative Pedagogical Project

Johnson, Dr. David
Continuing Application for the Improvement of the Undergraduate Social Work Program at the University of Wisconsin - Eau Claire
Funding: Federal, Other
Status: In Progress

Speech Chairman: Dr. Calvin Quayle

7. Artistic Production, Showing, or Recital

McDonnell, William
"John Brown's Body"
Funding: Status: Complete

I directed the above named show as an Interpreter's Theatre production. It was presented in Riverside Theatre, Nov. 6-8, and 10-15, 1975.

"There is a Time For Every Purpose Under Heaven"
Funding: Status: Complete

The above was the title of a combined faculty-student reading for which I organized, directed, and performed in last September 1975 as part of the dedication program for the Ecumenical Religious Center on the UW-EC campus. The program combined liturgical readings, poetry, mime, and dance.

"Tristram Shandy"
Funding: Status: Complete

I directed the above named show as an Interpreter's Theatre production. It was presented in Kjer Theatre April 24 - May 3, 1975.

Wolfert, Dr. Wayne
"House of Blue Leaves"
Funding: Departmental
Status: Complete

Designed the scenery and lighting, supervised the construction, painting, and lighting of this theatrical production which ran for ten performances.
"Comedy Tonight", a musical revue
Funding: Departmental
Status: Complete
Designed the scenery and lighting, supervised the construction, painting, and lighting of this theatrical production which ran for ten performances.

"Babes in Toyland", a musical comedy
Funding: Departmental
Status: Complete
Designed the scenery and lighting, supervised the construction, painting, and lighting of this theatrical production which ran for twenty-seven performances.

"Light up the Sky", a play
Funding: Departmental
Status: Complete
Designed the scenery and lighting, supervised the construction, painting, and lighting of this theatrical production which ran for ten performances.

"Tristam Shandy"
Funding: Departmental
Status: Complete
Designed the scenery and lighting, supervised the construction, painting, and lighting of this theatrical production which ran for ten performances.

"'Ole Fledermaus"
Funding: Departmental
Status: Complete
Designed the scenery and lighting, supervised the construction, painting, and lighting of this theatrical production which ran for seven performances.

3. Major Student Research

McDonnell, William Supervised Student: Steve LaVigne
"The Tales of Beatrix Potter"
Funding: Departmental
Status: Complete
Under my direction, Steve LaVigne completed an Independent Study in which he selected, adapted, and compiled various stories written by Beatrix Potter. He then cast and directed this production which was presented in Riverside Theatre on February 28, 1975 at 4:00 and 8:00 to invited audiences.

4. Dissertation Research

McDonnell, William
A Study for the Oral Interpreter of Problems in the Performance of Shakespeare's Plays.
Funding: None, other than personal
Status: In Progress

5. Innovative Pedagogical Project

Bailey, Dr. Robert
Implementation and Operation of a Non-Commercial, Educational FM Radio Station on the Eau Claire Campus
Funding: Departmental, Other
Status: In Progress

6. Program with Federal or Foundation Support

Waadt, Fred Collaborators: Keith Leitner, Tom Molloy
Eau Claire - Chippewa Economic Indicators
Funding: Univ. Research Grant, Federal, Other
Status: In Progress

7. Innovative Pedagogical Project

Rosenberg - Dishman, Dr. Marie
Bibliography of Periodical Literature on Women at Work
Funding: None, other than personal
Status: In Progress
OFFICE ADMINISTRATION & BUSINESS ADMINISTRATION
Chairman: Dr. William Mitchell

1. Research and Investigation

Labarré, Dr. James
Development of Manuals for Coordinating Teachers of Cooperative Business and Office Education Programs
Funding: University Research Grant
Status: Complete
The purpose of the Cooperative Office Occupation Program (COOP) is to provide an alternate method for preparing students for gainful employment. As a result of this project, two manuals were developed. Manual I, Procedures for Implementation of COOP, contains the guidelines and principles of planning, operating, and evaluating an effective cooperative office occupation program. Manual II, Resources for Implementation of COOP, provides the necessary resources for operating and evaluating programs.

Mitchell, Dr. William
The Effects of Office Technology and Office Systems on NSA's Description of a Professional Secretary
Funding: Other
Status: Complete
During 1975, Dr. William Mitchell, Educational Consultant for the National Secretaries Association (International), completed a study entitled "The Effects of Office Technology and Office Systems and Procedures on NSA's Description of a Professional Secretary." The study includes data on personal, educational, and work experience background of over 1,400 NSA members. The study also includes a breakdown of secretarial duties and responsibilities completed on a daily, weekly, monthly, yearly, or never basis.

4. Dissertation Research

Schlattman, Ronald
The Effectiveness of Programmed English Usage on the Achievement of College Students Enrolled in Business Communication
Funding: None, other than personal
Status: Complete
240 students participated in a study of the effect of including individual programmed remedial English work with a course in business communication. The study concluded that in almost all areas of writing, the students improved significantly.

6. Program with Federal or Foundation Support

Kurth, Dr. Stephen
Collaborators: Dr. Louis Frase M.D., Dr. Ida Hinz, Dr. James Rice, Dr. Thomas Rouse
UW-EC Cardiac Rehabilitation Program
Funding: Other
Status: In Progress

7. Innovative Pedagogical Project

Rice, Dr. James
Collaborators: John Vick
Teenage Institute on Drug Abuse and Other Drug Abuse
Funding: Other
Status: Complete
The Institute was comprised of approximately one hundred high school students selected from Eau Claire and adjoining counties. They were selected because of their interest in drug abuse. The three day institute consisted of general meetings and group sessions, along with a banquet and recreational activities. Education was the primary purpose with a hope for spin-off of participants returning to their communities to lead and educate their peers.

SECONDARY & CONTINUING EDUCATION
Chairman: Dr. Charles Larson

7. Innovative Pedagogical Project

Anderson, Dr. Roger
Collaborators: Dr. Charles Larson, Dr. Donald Schmaltz
A Competency Based Supervision Model - A Series of Four Filmstrip/Cassettes Designed to Improve the Supervision of Instruction
Funding: Status: In Progress

Birr, Dr. Donald
Collaborator: Dr. Charles Larson
Building I.G.E. (Individually Guided Education) Competencies at the Secondary Level
Funding: Other
Status: In Progress

NURSING
Chairman: Dr. Marguerite Coffman

1. Research and Investigation

Garton, Mary
Parents' Expectations of Their Child's Preschool Motor Development and their Perceived Need for More Knowledge of Child Development
Funding: None, other than personal
Status: In Progress
Squires, Dr. Rose L.  
Survey of the Educational Needs of School Nurses in the State of Ohio  
Funding: Other  
Status: Complete  

7. Innovative Pedagogical Project  
Dirks, Sandra  
Project: Five 30-minute Videotapes  
Funding: University Research Grant  
Status: In Progress  

NON-DEPARTMENTAL FACULTY  

1. Research and Investigation  
Boyum, Dr. Richard  
Student Values Study  
Funding: None, other than personal  
Status: In Progress  

Engeldinger, Eugene  
Index to Studies in Black Literature v.1-5 (1970-1974) - (Author and Subject Index)  
Funding: None, other than personal  
Status: Complete  

4. Dissertation Research  
Olsen, Mark  
A Study of the Relative Localism and Cosmopolitanism/Professionalism of Academic Department Chairmen at the University of Wisconsin - La Crosse, as Compared to the Relative Localism and Cosmopolitanism/Professionalism of Other (1) Instructional Faculty Members and (2) Administrators at that University  
Funding: None, other than personal  
Status: In Progress  

5. Institutional Study  
Carter, Hilda R. Co-author: John R. Jenswold  
Funding: Departmental and Foundation  
Status: Complete  

The history of the University of Wisconsin - Eau Claire is a scholarly work of history covering the 60 years of the institution's life and development in detail. Publication in August 1976.  

7. Innovative Pedagogical Project  
Boyum, Dr. Richard  
The University Alcohol Awareness Program  
Funding: Other  
Status: In Progress
Benson, A. William, "Coast to Coast", an Intaglio print sent to state exhibit.

The print is an Intaglio print - one of a series dealing with repeated images. The title reflects the trend toward man-made environments. Through a series of etchings, various levels are formed. These are then inked, wiped and placed with a paper under heavy pressure. This work was accepted in a statewide exhibit at Stevens Point, Wisconsin in the Fall of 1975.

Carson, Janet, It's Art Time, Charles Merrill, Columbus, Ohio, April 1975, 242 pp.

The purpose of this book is to acquaint the future or practicing elementary education teacher with a body of concept oriented activities designed to stimulate children to greater aesthetic awareness. The book stresses the quality of children's art experience. It attempts to enhance a child's view of the basic elements of art and its place in our culture and heritage. The lessons are divided into two levels, primary and intermediate, with appropriate language used for each. To fulfill their goal, the lessons have been written to encourage independent choices and divergent responses from children. The lessons include motivational techniques, teacher-student discussions, and step-by-step procedures. Objectives for each lesson are listed at the end of the book. The book features a resource section of film, art reproductions, visuals and books, and contains many useful illustrations.

Biology
Chairman: Dr. Marcus Fay


The distributional pattern of several species of trees in Eau Claire County in ca. 1850 was determined by examination of original land survey records. Maps of the Soil Survey for Eau Claire County were used to determine the soil type for each species occurrence. Multiple regression analysis was then used to search for apparent causal relations between the species distributions and several soil parameters. The results of the regression analysis and subsequent ordination studies suggest that disturbance, primarily fire, was the primary factor influencing the distribution of the tree species and plant communities in presettlement Eau Claire County.

Cvenca, Dr. Victor, "Studies on the Tolerance of Young of the Year Mississippi River Fish to Heated Waters", Special Publication Office of Water Research, Department of Interior, pp. 19

Cvenca, Dr. Victor, Tissue Arcinose in Freshwater Fishes, presented at the Annual Meeting of the Wisconsin Academy of Science, Arts and Letters, April 1975.


Gravid trematodes of the genus Alloglossidium were found in the antennary glands of fresh-water shrimp, Palaemonetes kadiakensis, collected in Louisiana. A comparison of this form with specimens of all related species was made. We concluded that this form was an undescribed species. A description of the new species as Alloglossidium reneii was made on the basis of 25 specimens prepared according to standard parasitological techniques.


The fine structures of primary, secondary, and tertiary stages of Zea endodermal cell structure were investigated. The differentiation stages in the anticlinal walls and remained at a fixed point relative to the endodermal-pericycle boundary. The only protoplasmic structure that had a constant spatial association with the developing strip was the plasmalemma. Plasmodesmata appeared to be more numerous on the tangential walls than on radial walls, only rarely were they located in the casparian strip. The suberized lamella developed on inner and outer tangential walls before it appeared on the radial walls. No cytoplasmic organelles were found to have any particular spatial association with this layer. The suberized lamella was about 0.04 m thick except near plasmodesmata and along the adaxial margin of the casparian strip, where it was thicker. Occasionally it failed to form along the abaxial margin of the strip. The adherent affinity between plasmalemma and casparian strip was lost after the strip was covered by suberized lamella. The secondary wall became asymmetrically thick, and the lamella of successive lamellae. A thin layer of secondary wall material extended across the floor of each pit. Pit cavities often contained mitochondria, and plasmodesmata were restricted to the pits. The plasmodemata were constricted where they entered the thin layer of secondary wall material and where they penetrated the suberized lamella. The various stages of cell development tended to be asynchronous. No passage cells were observed. Endodermal cell development in Zea closely resembles that described for barley.

Ho, Dr. Yui, Dr. R.E. Constock, "Proportion Contributed by Each Monozygous Source Population to a Foundation Stock to be Improved by Selection", Genetics, 80 (3-1), 1975 p.442

Proportion contributed by each homozigous source population to a foundation stock to be improved by selection. When a foundation stock is to be formed by mixing previously distinct populations a decision is required concerning populations to be used. When one of the populations is phenotypically superior to the other, initial performance of the foundation stock is increased by increasing the contribution of the superior population. However, there will be optimal relative to the limit of response to recurrent selection. This problem was investigated in the special case of two homozigous source populations in a fertile cross-fertilizing species assuming independent assortment, no epistasis, and complete dominance (of the favorable over unfavorable alleles) or additive genes. The limit to artificial selection in the foundation stock is a function of the effective population size (N), the proportion (x) contributed to the foundation stock by the better source population, the difference in relative fitness between single free homozigotes (A) and the proportion of loci that will segregate in the foundation stock (x) fixed favorably in the foundation stock) fixed favorably in the better source population. In real life the two last of these are never known. We therefore focused on the response limits given x=0.5, x=0.75 or the optimum values of x (which is a function of the other three parameters). Our general finding was that in the situations where there is substantial genetic improvement to be made and N is large enough so that a major portion of the potential can be achieved, the loss from using x=0.5 (or x=0.75 when the two source populations differ considerably in performance) rather than the optimum for x, whatever it might be, is small (less than 1%).

B-4
Recessive lethal mutations in the 3A1 to 3C2 region of the X chromosome of Brosiphila melanogaster were detected in 113 of 73,544 sperm treated by feeding 5 mm methyl methanesulfonate in 17% sucrose for 22 hours. Seven of the 113 lethals were sterile, leaving 106 for analysis by complementation tests. With only one exception, the mutants were found to have lesions restricted to single loci. One of these single-site mutations was in 2, 1 in 10, 18 in zw-1, 12 in zw-6, 6 in zw-10, 3 in zw-13, 21 in zw-2, 7 in zw-5, 5 in zw-8, 6 in zw-12, 1 in zw-17, 12 in zw-18, 5 in zw-20, and 3 in zw-22. One of the lethals, m69, was non-complementary to two adjacent loci, zw-2 and zw-3, possibly indicating a deletion encompassing two loci. The results confirm that there are at least 15 recessive lethal loci in the region and are consistent with the hypothesis of Lih and Snyder (1968 and 1974) that inability of mono-functional alkylating chemicals to induce deletion-associated mutations is a characteristic of the compound.


A technique for isolating whole chromatin from nuclei of the lower eukaryote Euglena gracilis is presented. This chromatin, which appears under the electron microscope as uniformly condensed fibers, can, nevertheless, be fractionated into distinct heterochromatic and euchromatic fractions. The euchromatic, comprising about 1/4 of the total DNA of the nucleus, contains over 80% of the total endogenous RNA polymerase activity measured. The Km for this enzyme is higher than that found for prokaryotes, but falls in the range found for other eukaryotes. Stability constants, calculated from cation-chromatin binding data, suggest that internal carboxyl groups of chromosomal proteins, at least, are involved in the condensation of Euglena chromatin. The relationship between Euglena chromatin and that of higher eukaryotes is discussed.

O'Connell, Dr. Kevin, "Estrogenic Stimulation of RNA polymerase Activity in the Immature Rat Uterus", Proceedings of the Central Year Biology Symposium - U.W.-River Falls #1, April 11, 1975 pp.110-140.

Endometrial and myometrial nuclei have been isolated utilizing two techniques. It has been found that if one quickly isolates endometrial and myometrial nuclei, one sees an increase in the activity of the endometrial specific polymerase for the first nine hours after estrogen. The myometrial nuclear RNA polymerase does not increase during this time period.

Owen, Dr. Oliver, Natural Resource Conservation: An Ecological Approach, Macmillan Company, New York, April 1975, pp.700

The text (2nd ed.) has been written for Introductory courses in Conservation or Environmental Science. The book surveys the world's natural resources with special emphasis on those in the United States. It considers their value to man, ways by which they have been abused, and techniques by which they may be restored or maintained. The material is presented in an ecological context.

Duerst, Dr. Richard, "A Proton NMR investigation of Hydrogen Bonding with regard to the Premolar Chemical Species Existent in H2SO4 and D2SO4-D2O Systems", Master's Thesis

Nuclear Magnetic Resonance studies of H2SO4 -H2O and D2SO4 -D2O systems have been undertaken in order to ascertain the various species existent in this hydrogen-bonded system. Fifty samples in this acid-water system ranging in concentration from 0-96% acid (both H2SO4 and D2O) were studied at approximately 25°C intervals over the range 0 to 75°C. Plots of chemical shift versus mole fraction of acid for H2SO4-H2O and D2SO4-D2O revealed a noticeable increase in the downfield chemical shift for the D2SO4-D2O samples in comparison to the H2SO4-H2O samples of equivalent acid concentration, which is consistent with previous strong electrolyte studies. However, studies of the behavior of the chemical shift with temperature revealed an inversion of the slope in the region .1 to .2 mole fraction of acid. The equilibrium constant for the trihydrate-tetrahydrate equilibrium has been calculated as 0.69 at 25°C.

CHEMISTRY
Chairman: Dr. Floyd Krause

Dchorowskz, Dr. Leo, Dr. David B. Rorabacher, "Chemotherapeutic Ligand Design: Polythioether Complexes", National Data Bank NIH, GR 2424-02, (Chemotherapeutic Projects Division), 1975 Report of NIH-HEW, Washington, D.C.

Dchorowskz, Dr. Leo, Dr. David B. Rorabacher, Thomas E. Jones, "Ring-size Effects on Stabilities and Kinetics of Thiatioether Complexes with Cu(II) and Mg(II)", Inorganic Division, Paper 105, Proceedings of the 15th National ACS Meeting, April 8, 1975, Philadelphia, Pa.

Dchorowskz, Dr. Leo, Dr. David B. Rorabacher, Thomas E. Jones, "Simple Models for Blue Copper Proteins, The Copper-thioether Complexes", Journal of the American Chemical Society, 97, 1975, pp. 7485-7486.

The first known examples of low molecular weight complexes which not only mimic the spectral properties of 'blue' copper proteins but also exhibit classical redox potentials of the natural macrocomplexes. The stereochemical nature of the natural proteins is thus implicated from our X-ray crystallographic elucidation of these model systems.

Dchorowskz, Dr. Leo, Dr. David B. Rorabacher, Thomas Jones, "Macrocyclic Ligand Ring Size Effects on Complex Stabilities and Kinetics, Copper(II) Complexes of Cyclic Polythioethers", Journal of the American Chemical Society, 97, 1975, pp. 7163-7165.

The study reports a complete kinetic and stability constant study of solvated copper (II) ion in reaction with macrocyclic polythioethers. The study is unique in that it could not be achieved until we synthesized the long elusive thiethaer ligands. The study has further elucidated the limits of the long standing theory of 'multiple juxtapositional fixedness' which relates the relative stereoconstraints of copper(II) fixation by native protein. We have shown that ligand (Protein)- copper stabilities are related not only to ligand conformation but also to ligand ring size, and the stability constants of the third and fourth donor atom coordination. The last point had previously been assumed to be immeasurable and dismissed as inconsequential, whereas it is in fact of paramount importance.
COMMUNICATIVE DISORDERS
Chairman: Dr. Theodore Peters

Mueller, Dr. Peter, "Spectrographic Analysis of Fundamental Frequency and Hoarseness Before and After Vocal Rehabilitation" Journal of Speech and Hearing Disorders, 40, 1975 p.278

Critique of an article by Horton Cooper on the same subject. Critique was substantiated by data from a pitch analysis of 21 patients.

ECONOMICS
Chairman: Dr. Donald Ellickson


The two variants of managed floating exchange rates analyzed in this paper have future potential in promoting global equilibrium. The first variant, dual exchange rates, can be useful in helping a country insulate its external balance from random and temporary monetary disturbances. Dual rates, however, tend to break down under sustained disequilibrium market pressures, and may even reinforce speculative economic activity. The other variant, central bank exchange-market operations, has considerable merit in its long-term adjustment efficiency for the industrialized countries. This mechanism, however, will continue to face future strain from the current destabilizing forces of global recession, high inflation, the confrontation of oil exporting and importing countries, and the like. Should the controlled float survive the present economic malaise, more formalized arrangements for the management of exchange rates by the IMF countries may be achievable.


This paper has used a bilateral trade model to analyze how the OPEC oil cartel has improved its external balance. It has also examined the effects of selected counterrmeasures that the oil-importing countries might undertake to offset OPEC's market power and a possible modified and reduced role for COM in the international oil market. Although the oil market's changing economic structure leaves the analysis far from complete, it can be used to illustrate some of the more interesting problems posed by the OPEC cartel and to evaluate proposed solutions to these problems.

ENGLISH
Chairman: Douglas Pearson


This two-volume dictionary provides information about the lives and works of more than 2,000 Black American writers in the various literary genres - poetry, drama, fiction and criticism - and about writers of non-fiction whose works are studied in Black literature courses. It is designed to aid librarians, teachers, students, and writers interested in the literary contributions made by Black American writers from the early 18th century to the present.

Taylor, Bruce, "Five Years", Chariton Review, #2, December 1975, p.3.

A long, dramatic monologue.


Lyric Poem.


Lyric poem.


A short, lyric poem.


A short lyric poem.


Lyric poem.

GEOGRAPHY
Chairman: Dr. James B. Foust


The monograph deals with world views; its purpose is polemical. Social Scientists now seek to interpret the phenomena of resource-use inequalities and underdevelopment as being ill served by current theories of modernization, social mobilization, and technical diffusion. This monograph points out some of the inadequacies of these orientations, and to explore alternative points of view which show how the world's spatial economy is a reaction to its political economy.


The term 'ubiquitous must be explicitly defined as functional in an empirical context; its abstract meaning is useful only in a pedagogical sense. The types of manufacturing which are both market oriented and have a frequency of occurrence greater than a specific limit which can be empirically defined are ubiquitous. This ad hoc definition satisfies the meaning of the term found in Webster, common usage by geographers, and the location theory of Alfred Weber. The concept of ubiquitous manufacturing suggests a nontraditional classification of industry and the inclusion of market-oriented manufacturers in central place research. Fourteen ubiquitous manufactures are defined whose distribution is controlled by four major location factors.

Functional highway classification is the process by which highways are organized into a hierarchy of classes based on the level of service they are intended to provide. States are directed by the Federal-Aid Highway Act of 1973 to develop a functional classification system before June 30, 1976. The system is to be developed within specific Federal guidelines and will form the basis for determining the source of the funds and the level of jurisdiction for any given highway within the state after the deadline date. The hierarchy of highways should, ideally, reflect the central place hierarchy of a region with sufficient accommodations to accommodate other major modes of traffic generation. The approach of Wisconsin to this problem is illustrated through a case study of a single county and geographers are alerted to the fact that their special expertise is needed in this planning process at the state and local level.

Foust, Dr. James, Or. Leland L. Nicholls, *Recreational Travel from Chicago to Wisconsin*.

The primary hypothesis of this study is that the set of variables controlling short-term recreational travel from Chicago to Wisconsin is quite different from the same set of variables controlling long-term trips. A secondary hypothesis is that driving time is a more critical factor for short-term visitors than for trips of a longer duration. These hypotheses are tested using stepwise multiple regression and data collected during the summer of 1970 by the Wisconsin Department of Transportation. The regression procedure produced a different set of significant variables for each type of trip with only two variables common to both models: the number of seasonal residences and the number of private recreational developments. Driving time appears as a significant variable only in the short-term trip model. Standard score maps of the variables help to clarify the results of each model. The negative effects of driving time on recreational travel are further examined with a brief consideration of the decline of state park permits purchased by out-of-state visitors as a result of lower speed limits.


The article describes Tanzania's unique approach to development. It outlines the formulation of prices since independence in 1963 which focus specifically on the needs of rural people.


The Environmental Impact Statement for the Pista Lake Wildlife Area is not a full-disclosure document providing a full description of the proposed project, the existing environment and an analysis of the anticipated environmental effects, as required by the Wisconsin Environmental Policy Act, Section 1.11 of the Wisconsin Statutes. The Impact Statement lacks objectivity and fails fully to come grips with all important facets of the project’s impact on the environment. There are no scientific bases nor does the Impact Statement justify either past or proposed action in the area.


A guide book for the fourth annual spring field trip to the Grand Canyon.

Tanner, Gilbert, *Existing Land Use for Burnett, Washburn, Sawyer, Rusk, Taylor, Price Co.*

These 6 maps show permanent residences, seasonal residences, all commercial, recreational, governmental, industrial, communication, functions and four classes of rural land use forests, wet forests, wet lands and agriculture. Plus all roads, boundaries, cities and hydrographic features.


These maps show property ownership and land use for each parcel in the coastal zone area of Bayfield, Ashland, Douglas and Iron Counties at a scale of 1" to 2000".


A guide book to the Apostle’s National Lakeshore, with original maps and photographs.


An examination of the Soviet Concept of the American South as presented in secondary school texts not only allows some insights into the image of the region held by citizens of the U.S.S.R., but also permits us to better understand the content and method of Soviet economic geographic instruction of foreign lands. The example of the United States illustrates Marxist-Leninist theories on the evils of the capitalist system. The South in turn is fitted into this ideological framework to demonstrate: 1) The depth of class antagonism in the United States with special reference to usually severe and violent racial discrimination. 2) The great contradictions supposedly inherent in regional economic development in capitalist countries with the South being a backward agricultural society retaining characteristics of a feudal system. The investigation of secondary texts in use from the middle thirties to the late sixties shows that there has been virtually no change in the Soviet picture of the South. Furthermore, if one were to lay aside the ideological examples, used also in other disciplines, all that would be left would be a list of crops, cities, industrial products, etc. Herein lies the heart of the problem of secondary school geography in the Soviet Union.

**GEOLOGY**

Chairman: Dr. Ronald Wills


This is a history of all topographic maps published covering the state of Wisconsin, complete with information concerning updated coverage, and different scales.

**JOURNALISM**

Chairman: Elwood Kanawad


A 1973 study, conducted of a given sample of northwest Wisconsin weekly and daily newspapers, which determined through content analysis, the extent of use by editors of press releases sent during a given period from the Washington D.C. congressional offices of Senators Nelson and Proxmire and Rep. Vernon Thomson, comparing previous studies of uses of press releases and concluding that "office holders studied are minimally successful in mailing to weekly newspapers", controverting at least to a degree careless charges made by many news theoreticians.

Mathematics
Chairman: Dr. Lawrence Wahstrom


The vibrating string is one of the oldest problems of mathematical physics. Its modern solution consists of solving the equation $u_{tt} = \frac{1}{c^2} u_{xx}$ with the appropriate boundary conditions. In this article we show how the same solution can be obtained by taking a discrete number of point masses along a flexible, massless string, and then letting $n \to \infty$. Although this approach is not new, it has been based in the past on guessing the right solution. Here we show that the correct solution can be obtained directly by using the techniques of matrix algebra.


We consider a one degree of freedom, damped harmonic oscillator performing free vibrations. Traditionally the motion of this system is determined by solving the differential equation, $x^{\prime\prime} + \ddot{x} + ax + b \dot{x} + cx = 0$, subject to the initial conditions, $x(0), \dot{x}(0), x(0), \dot{x}(0)$. This description, however, tacitly assumes that the system has been vibrating from $t=0$, whereas in reality they have been initiated at the instant $t=0$. We show here how the classical solution can be obtained by considering the above system subject to two external forces: an inverted step function and an impulse function. We use then the Fourier integral to obtain the solution.


The Galilean transformation, although known for 250 years, has become important only since the advent of Special Relativity (1905), when it was contrasted to the Lorentz transformation. In this article we show that many problems of elementary physics and geometry can be solved very elegantly if use is made of the Galilean transformation.


This popular article discusses the impact of the pocket calculator on our society, and in particular, on the teaching of mathematics in the elementary and high school.


This classroom note discusses a method of deriving Euler's formula which has several pedagogical advantages over the traditional derivation.

Music
Chairman: Dr. Milton Schmike


A critical review of the performing abilities of the string virtuoso, Gary Karr, and also a criticism of the substance of the concerto by the late string bass virtuoso and long-time conductor of the Boston Symphony - Serge Koussevitzky.

Cunningham, Dr. Michael, Piano Trio No. 2, Etoile Quality Music, Bloomington, Indiana.

This is a transcription of Christian Bach Sonata for three saxophones.

Cunningham, Dr. Michael, Quartet, Etoile Quality Music, Bloomington, Indiana.

This is a transcription of the Christian Bach Sonata for three saxophones and string bass.

Cunningham, Dr. Michael, Figg and Bean, Seesaw Music Corp., New York City, 1975.


Three Bagatelles for Woodwind Quintet was written for junior and senior high school students in the fall of 1973 at the request of the Elementary-Junior High School Program at St. Ansgar, Iowa. The first movement contains excerpts from familiar melodies such as "Twinkle, Twinkle, Little Star". The melody in the second movement, performed by the horn, is an old Norwegian folk song. The third movement is composed of original material.


This article is titled "The Changing Scene in Music Education". There is a need to change music education to meet the needs of a rapidly changing society. The combination of excellence in performance and teaching must be stressed more and more to prepare a product which will be capable of competing for a teaching and/or performance career. The survival of music education in higher education must include in its preparation of the potential music educator the requirement for excellence in both performance and teaching.


As Regional President-elect, it is my duty to prepare and have published the Constitution and Bylaws as revisions which are made each year at the annual Spring Workshop.


The article describes one aspect of the musical activity in a state hospital established to serve the needs of handicapped people. Music is used to reduce the problems associated with mental retardation and support the total growth of the handicapped person. Orff principles are applied in the music therapy programming, using the premise that people understand it in the work with two choruses, successful experiences are offered through free elemental music-making and creativity. The article briefly discusses chorus membership, goals and materials used in the ensemble sessions.

PHYSICS
Chairman: Dr. Frederick Schultz


A new method for calculating the dc output voltage for a capacitance-input filter is presented. Its predictions are much more accurate than those of the usual simple formula given to introduce with textbooks. It proves possible to attain this increased accuracy with only elementary calculus and minimal arithmetic largely due to an interesting averaging property of a portion of a sine wave.


Metric System Study Prints have been completely revised since the original edition was published. The set consists of 10 metric measurement areas: length, area, volume, mass, temperature, force, work, time, and power. The text material and study exercises are adaptable for Junior and Senior High School science and mathematics classes, and for teachers finding a need for general metric understandings. The author is particularly concerned about the development of a metrical approach to measurement in the sequence of concepts considered that follow a growth in level of difficulty and accomplishment.


The CaII bands in the 6385 region of the spectra of M dwarfs have long been known; they become visible in the late K's and show a gradual increase in strength to later types. However, Greenstein and Eggen have noted that there is a substantial strengthening of all of the hydride bands, including CaII, in high velocity dwarfs (notably 695-59), and one of us (W.P.B.) has also seen this effect in suitable Warner and Swope Observatory objective-prism plates of both components of Ross 711. In a recent southern-hemisphere survey with the Curtis Schmidt, Swope Observatory discovered 2000 late K and early M dwarfs, for all of which estimates of CaII band strength were made. He found a considerable variation of the CaII-band strength in stars of the same (V-band) spectral type, and a slight tendency for the CaII/TIO band ratio to increase with increasing tangential velocity. Details of this work will be given in the paper.

PHILOSOPHY & RELIGIOUS STUDIES
Chairman: Dr. Phillip Griffin


A short review of one of the few books on Aboriginal Australian religion. The review stresses that the book contains much useful information in a highly organized fashion, but that it contains little interpretive material.


A report on a team-taught course, taught at New College, Sarasota, Florida. The course concerned methodology in theology and in history of religions. The article reports on how the course was taught and discusses the dynamics of successful team-teaching.


A discussion of major methodological problems encountered in the study of women in non-western religions, which demonstrates that all of the confusions that usually arise in such scholarship are the result of androcentric patterns of thinking on the part of Western scholars.

PSYCHOLOGY
Chairman: Dr. Elmer Sundby


Argues that social psychology's "crisis" would benefit from historical analysis in assessing where we've been and how we got here. In particular, calls for purely technical solutions to our current problems may be largely irrelevant to the social historical forces which influence our field.


A critical analysis of the early institutionalization of social psychology as a discipline. Shown is a dialectical development involving philosophers, ideologies, social context and scientific concerns. It is concluded that experimental data, theory and methodology are at best half the factors involved in scientific development.

Tomlinson, Dr. Robert, Max McDaniel, The Effects of Field Independence-Field Dependence as Measured by the BFO Scale upon Information Processing, paper presented at the Southeastern Psychological Association Convention, Atlanta, Ga., March 1975.

Information processing attempts to determine the nature of memory retrieval. In such studies, Ss 'encode' a visually presented stimulus, then serially compare it to previously memorized items to determine whether or not the stimulus matches any item held in memory. This paper examines the effects of field independence-field dependence upon the processing of visual information. The recently developed BFO scale (Seymore & McDaniel, 1974) was used in selecting 65 Ss. These Ss were presented plain and embedded stimuli. Interpretation of the significant interactions indicated that the number of items simultaneously presented to Ss has its main effect on the serial comparison stage of information processing, while encoding of stimuli and field-independence have their main influence on the speed with which Ss can encode stimuli. Under both plain and embedded conditions, field-independent Ss faster times for stimulus recognition appear due to their increased ability to 'break' stimulus displays (fields) into discrete components, thereby being better able to more quickly encode and begin using visually presented information. This paper will also discuss findings regarding error rates and positive-negative response differences in the processing of information. Regression equations, which describe the different information processing modes used by field-independent and field-dependent Ss, will also be presented.


A report on a team-taught course, taught at New College, Sarasota, Florida. The course concerned methodology in theology and in history of religions. The article reports on how the course was taught and discusses the dynamics of successful team-teaching.


A discussion of major methodological problems encountered in the study of women in non-western religions, which demonstrates that all of the confusions that usually arise in such scholarship are the result of androcentric patterns of thinking on the part of Western scholars.

PSYCHOLOGY
Chairman: Dr. Elmer Sundby


Argues that social psychology's "crisis" would benefit from historical analysis in assessing where we've been and how we got here. In particular, calls for purely technical solutions to our current problems may be largely irrelevant to the social historical forces which influence our field.


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SOCIETY

Chairman: Dr. John M. Hellmuth


The Green book is reviewed as an exemplary work in "descriptive sociology." The rules of this type of scholarship are presented and the book is evaluated according to these standards.


The nature of productive scholarship in teaching and the opportunities for it are discussed. Three levels of productivity are outlined. Criteria for judging it are presented, and the type of sociology department that would give maximum support is described.


The research, style of writing, and contributions are assessed. Content from the book is used to indicate its special features.


A brief description is presented of the UW-Hispanic archeological excavations of the Chan-yute site. A preliminary survey of the artifacts recovered is presented as well as a review of the implications of some of these materials. Maps of the excavated house structures are also included.

SPEECH

Chairman: Dr. Calvin Quayle


ACCOUNTANCY

Chairman: Dr. Lawrence Ozzello

Etzioni, Dr. Donald, "To Be—Or Not To Be—Incorporate a Sole Proprietorship?" Wisconsin CPA, No. 108, October 1975, pp. 26-27.

Owners of small businesses frequently ask their CPA's about the advantages and disadvantages of incorporating their businesses. One important aspect to be considered in making this decision involves differences between the way corporations and unincorporated businesses are taxed. The article develops a presentation technique for showing an individual small business man at a glance the tax ramifications of incorporating his business for several different combinations of projected income levels and personal cash withdraws from the business.

BUSINESS ADMINISTRATION

Chairman: Dr. D. Wallace Well


This article exposed the fallacy in an earlier article in "Financial planning" magazine which contested that the cash (surrender) value in a life insurance policy was an unwanted 'savings account' for which the owner paid extra.

Baird, Harold, "Is 'compensation' measured only in dollars?" Field Notes, March-April 1975.

This article explored some of the non-financial rewards of a career in life underwriting.


This article called attention to the economies of level premium life insurance, as compared with the cost of amortization of other installment purchase plans.

Baird, Harold, "An ounce of (termite) protection is worth . . . ?" Field Notes, July-August 1975.

This article pointed out the responsibility of the sales person to fully inform the client.

Baird, Harold, "Was Winston Churchill a life insurance agent?" Field Notes, September-October 1975.

An article based on a little-known quotation from Winston Churchill demonstrating his knowledge of the fundamentals of insurance.


An article exposing the myths that equities constitute a dependable hedge against inflation.


The article recommended against expansion of promised benefits, by Congress, without providing for the financing of such benefits.

OFFICE ADMINISTRATION AND BUSINESS EDUC.

Chairman: Dr. William Mitchell


"Recording Artist Dictates" is an article that pertains to a motivational technique that can be used in a shorthand classroom. The selection of the most effective motivational techniques is a continuing challenge to the shorthand teacher. This particular motivational device can be used as an effective interest builder for both beginning and advanced shorthand classes. Songs that are sung by popular artists can be used for dictation in shorthand. The article discusses some of the criteria to consider when adapting such dictation to the shorthand classroom: (1) extent of background music, (2) artist's enunciation, (3) speed of the song, (4) number of repetitions words, (5) special equipment, (6) use of previewing, and (7) the most advantageous time to employ this motivational technique. The advantages of using this technique of dictation are as follows: (1) variety of music that can be used, (2) variety of speeds that can be used, (3) the effect of music on student attitude, (4) dictation from different voices, (5) the effect of music on individualized instruction.

Labarre, Dr. James, Machine Calculations of Business Problems, Career Institute, Danbury Conn., January 1975, 140 pp.

A problem approach to solving business problems.
LaBarre, Dr. James, Manuals for Cooperative Office Occupation Programs, Department of Public Instruction, State of Wisconsin, U-W-EC, December 1975, pp. 235.

The purpose of the Cooperative Office Occupations Program is to provide an alternative method for preparing students for gainful employment in office occupations. Teachers coordinators of COOP throughout the State of Wisconsin, will find the manuals to be very helpful in developing, operating, and evaluating cooperative programs. Manual I: Procedures for Implementation of COOP, contains the guidelines and principles of planning, operating, and evaluating an effective cooperative office occupations program.

Manual II: Resources for Implementation of COOP, provides the necessary resources for operating and evaluating cooperative programs. The guide is designed to be used by administrators, Local Vocational Education Coordinators, teacher-coordinators, and teachers in designing and promoting COOP. The content of the guide provides the resources to meet the needs and interests of all students in every community.

Melrose, Or. John, Dr. James LaBarre, Or. Kaye Mach, Dr. William Mitchell, Dr. Donald Zahn, Machine Calculation of Business Problems, Career Institute, Danbury, Ct., 1975, pp. 209.

This instructional text has been designed to meet the needs of individuals and/or groups of students studying machine calculation. Incorporated into the text are the necessary materials which permit the learner to use the book as a self-instructional device. This factor allows the learner to progress at his/her own rate of speed. The instructional text also contains performance goals which identify what is expected upon completion of each section. Each person has an opportunity to check the progress made by completing self tests which are provided within the text. The problems in the instructional text are not only designed for business applications, but also for personal-consumer applications. In addition to gaining an understanding of the many business applications and processes, it also intended that each individual develops a marketable skill on touch operation of the ten-key calculating machine—whether electronic or electromechanical.

Missling, Or. Lorraine, Grammar and Punctuation Dictation Exercises, Western Tape, Mountain View, California, November 1975, pp. 21.

This book is designed to assist in the teaching of shorthand, typewriting, transcription, and business communications. The following punctuation rules are presented: words in a series; independent clauses; introductory words, phrases, and clauses; numbers; apposition; independent clauses without connecting conjunction; commas in numbers; parenthetical; colon in a listing; quotations; punctuation for introductory phrases; polite request; hyphenation; possession; clause omitted; titles; capitalization; expression of figures; abbreviations; commas, periods, question marks, colons, and semicolons. After each new rule is presented, practice sentences are illustrated so the student can easily observe the implementation of the rule. A letter follows follows the practice sentences. It can be used a number of ways as an opportunity to test the student's knowledge of the principles already presented. Letters can be used for dictation, rough-draft work, typewriting or any other communications exercise.


Advanced Dictation and Transcription can be used with any shorthand system, manual, or machine. The theory reviews, transcription techniques, and dictation are applicable to all systems. Answer Keys are published separately for a number of shorthand systems. The fourteen chapters were selected and arranged in a logical sequence of subject matter and difficulty which leads from the communication industry to the man's concern with the environment. Each chapter is introduced with a 300-400 word description of the area and is marked for sustained dictation. Five lessons follow the chapter introduction and represent the major working division of the subject. The importance of women in executive roles, as well as in the secretarial professions, is stressed throughout.

Mitchell, Dr. William, Dr. Lorraine Missling, Dr. John Melrose, Ronald Schlieman, Machine Transcription Practice - Education and Insurance, Western Tape, Mountain View, California, 1975 10 cassettes.

The two ten lesson programs fill the requirement for additional machine transcription practice material necessary to develop a marketable proficiency. These programs also provide diversity of program to stimulate interest. They are so designed that the final lessons can be used as evaluations giving both the teacher and the student a measure of accomplishment.

ELEMEHTARY EDUCATION
Chairman: Dr. Max Poole

Joyal, Dr. Lloyd, Sorensen, Dr. Juanita, Poole, Dr. Max, The Unit Leader and Individually Guided Educators, pub. Addision-Wesley, March 1976.

This book provides a comprehensive description of the unit leader's role in the Individually Guided Education (IGE) concept. The unit leader role is unique to IGE. The overall presentation is divided into three parts: a summary of IGE concepts and background; a review of the personal qualities and knowledge important to the unit leader; a detailed description of the instructional aspects of the position and procedures for carrying out instruction for students along with a case study of how one unit leader handled a situation over a two-year period. Each chapter of the book opens with study objectives, proceeds at depth discussion, and then closes with a summary and list of references. Diagrams and models appear throughout the book.

Sorensen, Dr. Juanita, Metric: Activity Cards, The Education Center, Greensboro, North Carolina, January 1975, 80 cards.

These activity cards are designed to give students a clear foundation in the metric system of measurement. Cards are presented in a logical sequence for learning. The total set is divided into sections dealing with length, mass, volume, and temperature. A special introduction for the teacher is presented for each section.
Sorenson, Dr. Juanita, Dr. Lloyd H. Joyal, Dr. Max Poole, *The Unit Leader and Individually Guided Education*, Addison-Wesley, Reading, Mass., March 1975, pp.601.

This book provides a comprehensive description of the unit leader's role in the Individually Guided Education (IGE) concept. The unit leader role is unique to IGE. The overall presentation is divided into three parts: a summary of IGE concepts and background; a review of the personal qualities and knowledge important to the unit leader; a detailed description of the instructional aspects of the position and procedures for carrying out instruction for students along with a case study of how one unit leader handled a situation over a two year period. Each chapter of the book opens with study objectives, proceeds to in-depth discussion, and then closes with a summary and list of references. Diagrams and models appear throughout the book.

**LIBRARY SCIENCE & MEDIA EDUCATION**
Chairman: Dr. Glenn Thompson


Description of a senior citizen program sponsored by the Eau Claire Public Library and the Department of Library Science and Media Education. The purpose of the program was to inform senior citizens about materials and services at the public library.

**SECONDARY & CONT. EDUCATION**
Chairman: Dr. Charles Larson

**Larson, Dr. Charles**, Dr. Roger C. Anderson, Dr. Donald Schmalzried, *Competency Based Supervision*, Paul S. Amidon & Assoc.

This material was designed to enhance the supervisory relationship between supervisor and teacher and to improve the supervision of instruction. The series was developed particularly for supervision of student teaching or internship experiences, but it is applicable to other kinds of instructional supervision as well.

**SPECIAL EDUCATION**
Chairman: Dr. E. Milo Pritchett


This book of readings is essentially a progress report in the area of education for emotionally disturbed children. Selected readings cover such topics as diagnosis and classification, educational programming, classroom management, curriculum development, and conceptual models.

**NURSING**
Chairman: Marguerite Coffman

**Beal, Barbara**, "The Patient with Respiratory Problems*, Nursing* Care of the Patient with Medical-Surgical Disorders*, by Harriet Houdal, Gudys Sorensen, Elizabeth Giblin, Margaret A. Kaufmann, Berniece Wagner, McGraw-Hill, New York

This chapter deals pulmonary physiology; pathophysiology; nursing responsibilities in medical therapies; nursing assessment and various nursing therapies for persons with respiratory problems. Author is a nursing specialist in the care of persons with chronic airway disease.
