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FACULTY PUBLICATIONS
1965-66

Compiled
by
Lorene Farrand
Administrative Secretary
School of Graduate Studies
Western Michigan University

FACULTY CONTRIBUTIONS
Series X, No. 2 October 1967

School of Graduate Studies
Western Michigan University
Kalamazoo, Michigan
Faculty Publications 1965-66 is the fourth major compilation of the publications of the Faculty of Western Michigan University. The first listed materials that were published between July 1, 1957 and June 30, 1961; the second, between July 1, 1961 and June 30, 1963; the third, between July 1, 1963 and June 30, 1965; and this compilation, between July 1, 1965 and June 30, 1966. It is designed mainly to apprise the Faculty of the University of the breadth of writing of their colleagues.

The information in this publication is not a criterion for evaluating the contributions of any Faculty member either on the basis of numbers or merit. This point is particularly important since many scholarly articles that appeared in the Western Michigan University Magazine, and in other publications distributed mainly within the University have not been included. The few exceptions are those in which the author has prepared a complete publication which was later disseminated on a nationwide basis.

The Graduate Office sought to poll every faculty member to obtain complete and accurate citations. As with the previous compilations, omissions and errors are inevitable. The writer takes full responsibility for these and expresses his apologies.

It is hoped that Faculty Contributions 1965-66 will prove to be useful.

George G. Mallinson, Dean
School of Graduate Studies
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Bibliographical Listings

In general, the faculty publications are presented alphabetically by department. Where feasible, the entries for each faculty member are entered chronologically. Deviations exist where other modes of order seemed more appropriate.

A summary of the publications indicated the following:

- Number of contributors: 141
- Number of contributions: 426
- Number of books: 42
- Articles and reviews: 278
- Contributions to bulletins and monographs: 45
- Films: 8
- Other contributions: 53

It is salutary to note, also, that several faculty members are editors of journals that have national distribution. These are:

1. Dr. John Feirer, *Industrial Arts and Vocational Education*
2. Dr. Charles O. Houston, *East Asiatic Studies of the University of Manila, Philippines*
3. Dr. George G. Mallinson, *School Science and Mathematics*
4. Dr. Paul T. Mountjoy, *Psychological Record*
ACCOUNTING

Everett, Frederick


ADMINISTRATION

Gernant, Leonard


Mallinson, George G.


"... but so are the Forces of Evil." School Science and Mathematics, LXVI (February 1966), 119-20.


"Publish or Perish." School Science and Mathematics, LXVI (June 1966), 532-5.


Stine, Leo C.


ART

Hansen, Marc F.

"Zinc Silicate Crystal Glazes." Ceramics Monthly, XIV (April 1966), 12-5.

BIOLOGY

Brewer, Richard D.


Engemann, Joseph G.


Fowler, Dona J.


"Neurosecretory Cells: Daily Rhythmicity in Leiobranch Longipes." *Science*, CLII (May 1966), 1078-82. (with Clarence J. Goodnight)


Goodnight, Clarence J.


"Studies on the Chemical Composition of Several Aquatic Oligochaetes." *American Zoologist*, V (July 1965), 220. (with B. K. Whitten)

"The Accumulation of Sr89 in Tubificid Worms." *Bulletin of the Ecological Society of America*, XLVI (July 1965), 100. (with B. K. Whitten)

"Toxicity of Some Common Insecticides to Tubificids." *Journal of Water Pollution Control Federation*, XXXVIII (February 1966), 227-35. (with B. K. Whitten)

"The Comparative Chemical Composition of Two Aquatic Oligochaetes." *Comparative Biochemistry and Physiology*, XVII (April 1966), 1205-7. (with B. K. Whitten)


**Pippen, Richard W.**


**Schultz, Beth**


**VanDeventer, W. C.**


BROADCASTING

Bartley, Lynwood


BUSINESS EDUCATION

McKitrick, Max O.


CHEMISTRY

Berndt, Donald C.


Cooke, Dean W.

"The Stereochemistry of Some Cobalt (III) Complexes with Ethylenediamine N,N'-Diacetic Acid and Some N-Substituted Analogs." Inorganic Chemistry, IV (November 1965), 1576-84. (with Ivan J. Legg)


Foote, J. Lindsley


Houser, Thomas

Kana'an, Adli S.


Osborn, Gerald


DISTRIBUTIVE EDUCATION

Dannenberg, Raymond A.


ECONOMICS

Bowers, Robert S.


Carlson, Theodore L.


Ross, Myron H.


Sichel, Werner


EDUCATION

Coulter, Myron L.


ENGINEERING AND TECHNOLOGY

Beukema, Henry J.


Day, Robert B.


"Effect of Crystal Orientation on the Mechanical Behavior of Magnesium Oxide at High Temperatures." Journal of the American Ceramic Society, XLIX (February 1966), 72-80. (with R. J. Stokes)

"Mechanical Behavior of Polycrystalline Magesium Oxide at High Temperatures." Journal of the American Ceramic Society, XLIX (July 1966), 345-54. (with R. J. Stokes)

Giachino, Joseph W.


Watmough, E. B.

Performance Rating Practice Film No. 4. 16mm., silent motion picture in color. Labor-Management Training Service, Kalamazoo Michigan, 1966.


ENGLISH

Adams, Phillip


"After the sun dies..." American Haiku, III (Fall-Winter 1965), 16.

"Triggered by a step..." American Haiku, IV (Summer 1966), 10.
"Bring Down the Jolly Roger on Charlie Larkin's Lot!" The Human Voice Quarterly, II (February 1966), 41.

"The dripping faucet..." American Haiku, IV (Summer 1966), 10.

"Having disobeyed..." American Haiku, III (Fall-Winter 1965), 16.

"Later Than Prime Time." Zeitgeist, I (April 1966), 84.

Callan, Edward T.

"Auden's Ironic Masquerade: Criticism as Morality Play." University of Toronto Quarterly, XXXV (January 1966), 133-43.


Carlson, Norman E.


Gianakaris, Constantine J.


Combs, William W.


"Ballads are for Singing." Scholastic Teacher, LXXXVIII (April 1966), 10-1.

Davidson, Clifford


"Types of Despair in 'Ash Wednesday'." Renascence, XVIII (Summer 1966), 216-8.


Davis, Robert S.


Galligan, Edward L.


Goldfarb, Clare R.

"From Complicity to Altruria: The Use of Tolstoy in Howells." The University Review, XXXII (June 1966), 311-7.

Goldfarb, Russell M.


Harper, Gordon L.


Johnson, Wallace H.


Lambert, Robert C.

"Let's Bury the Essay." Iowa English Yearbook, X (Fall 1965), 43-5.


LaRue, Robert

"Whatever Happened to Lemon Punch?" Old Oregon, XLV (May-June 1966), 12-6.

McNally, John J.


"A Painting is for Winter." NIOBE, I (Winter 1965), 49-50.

"Cor Ad Horloquitur." NIOBE, I (Winter 1965), 51.

"In Jimmy's Do." NIOBE, I (Winter 1965), 52.


Malmstrom, Jean


Morgan, Gary R.

"Snow Song." Epos, XVII (Fall 1965), 22.

"Indian Gift." The Small Pond, I (Fall 1965), 10.

"Careless of Fall." the goodly co, I (August 1965), 6.

"Fog." Bitterroot, IV (Winter 1965), 14.


"Hope #2." Simbolica, XXV (November 1965), 13.


"In Somewhat A Stillness." Simbolica, XXV (November 1965), 13.

"This World." Simbolica, XXV (November 1965), 13.


"Love." the goodly co, II (December 1965), 8.


"Black Magic For June 5." Kauri, XII (January 1966), 4.


"Improvisation on Trees & Moon." the goodly co, II (April 1966), 10.

Stroupe, John H.


Woods, John

(Poem) "The Room." Northwest Review, VII (Spring 1966), 50.

(Poem) "The Words." Northwest Review, VII (Spring 1966), 50-1.

(Poem) "The Play." Western Humanities Review, XIX (Summer 1965), 241.

(Poem) "Vacation." Western Humanities Review, XIX (Summer 1965), 258.

(Poem) "Now the Harvest..." Western Humanities Review, XIX (Autumn 1965), 334.


(Poem) "Margin." NIOBE, I (Winter 1965), 67.

(Poem) "Water, Still Water." NIOBE, I (Winter 1965), 70.

(Poem) "Genetic Fallacy." NIOBE, I (Winter 1965), 68.

(Poem) "A Dream of Walking." Shenandoah, XVII (Spring 1966), 68-9.


(Poem) "These Military Poets." Southern Poetry Review, VI (Spring 1966), 37.


(Poem) "Hometown." Today, XXI (March 1966), 7.

(Poem) "Assassination." Today, XXI (March 1966), 7.


(Poem) "Going to the Field." Poetry, CVI (September 1965), 411-2.

(Poem) "Supermarket Suite." North American Review, II (July 1965), 57.

(Poem) "Warning." American Weave, XXIX (Spring-Summer 1965), 19.


(Poem) "James Dickey Catches a Mouse." Satire Newsletter, III (Spring 1966), 167.


FIELD SERVICES

Bailey, Fred

"Identical Studies of the Opinions Held By Students, Faculty, and Administrators About Off-Campus University Credit Courses." *The New Campus*, XIX, (Spring 1966), 25-9.

GENERAL BUSINESS

Adams, Richard T.

"Critical Discrepancies." *Improving College and University Teaching*, XIII (Summer 1965), 162-3. (with Frank Greenwood)

GENERAL STUDIES

Drennan, Ollin J.


Overton, Harvey


GEOGRAPHY

Eichenlaub, Val L.


Kirchherr, Eugene C.


Morris, Arthur S.

"An alternative viewpoint on areal date and correlation analysis." The Professional Geographer, XVII (March 1966), 92-3.

Raup, Henry A.


GEOLOGY

Davis, Richard A.


Reesman, Arthur Lee


GUIDANCE AND PERSONNEL

Carlson, William A.


Engle, Kenneth B.

HISTORY

Breisach, Ernst A.


Dunbar, Willis F.


Fox, William S.


Gregory, Ross


Maier, Paul L.

"A Man Spoke, A World Listened." Serialized condensation in *Sunday Digest*, LXXX (February 6, 1966), 8-11; (February 13, 1966), 9-11; (February 20, 1966), 9-11; February 27, 1966), 7-9.


Nahm, Andrew C.


"Reaction and Response to the Opening of Korea, 1876-1884." Studies on Asia, VI (1965), 61-80.

Sommerfeldt, John R.


Yzenbaard, John


"Jacob Den Herder: From Dutch Immigrant to Town Banker." Michigan History, II (September 1965), 249-59.

INDUSTRIAL EDUCATION

Feiner, John L.


(Editorial) "The Communication Lag in Industrial Education." Industrial Arts and Vocational Education, LIV (September 1965), 27.

(Editorial) "Bridging the Gap." Industrial Arts and Vocational Education, LIV (October 1965), 25.

(Editorial) "What's the Answer to Crafts in Industrial Arts?" Industrial Arts and Vocational Education, LIV (December 1965), 13.

(Editorial) "Day-to-Day Problems of the Classroom Teacher." Industrial Arts and Vocational Education, LV (January 1966), 19.

(Editorial) "Labor's Role in Vocational Education." Industrial Arts and Vocational Education, LV (February 1966), 19.

(Editorial) "Facilities for New Frontier Programs." Industrial Arts and Vocational Education, LV (March 1966), 39.
(Editorial) "Has Vocational Teaching Become a Profession?" **Industrial Arts and Vocational Education**, LIV (November 1965), 27.


(Editorial) "Industrial Arts in the Junior High School." **Industrial Arts and Vocational Education**, LV (May 1966), 21.

(Editorial) "Big Issues in Vocational-Technical Education." **Industrial Arts and Vocational Education**, LV (June 1966), 17.

**Fillingham, Wallace**


**Klammer, Waldemar E.**

"Project Information Index Cards." **Industrial Arts and Vocational Education**, LV (May 1966), 41.

**Stegman, George K.**


**Zimmerman, Theo C.**

"A Round Table: How Can We Upgrade Wood Construction Experience in Industrial Arts?" **Industrial Arts and Vocational Education**, LIV (September 1965), 31-2.

"Teaching Carpentry in Industrial Arts." **Industrial Arts and Vocational Education**, LIV (September 1965), 32-2.

**LANGUAGE**

**Cole, Roger L.**


**Coutant, Victor**

Gallant, Clifford J.

"Miguel de Unamuno y Francois Mauriac." Cuadernos de la Catedra Miguel de Unamuno, XIV-XV (1964-1965), 77-84.


Osmun, George F.


Urbanski, Edmund Stephen

"El revisionismo en la valoracion de las letras y cultura contemporanea de Espana." Hispania, XLVIII (December 1965), 816-25.

"Tres Revoluciones de Hispanoamerica: Mexico, Bolivia y Cuba." Journal of Inter-American Studies, VIII (July 1966), 419-36.


LIBRARIANSHIP

Grotzinger, Laurel A.


"Dr. Thelma Eaton." A.L.A. Education Division Newsletter, LV (September 1965), 7-8.


Lehnus, Donald J.

Lowrie, Jean E.


Warner, Edward S.

"Early Traverse City News Via Lakes Vessels." Inland Seas, XX (Summer 1966), 121-6.

Library

Allen, Francis W.


Management

Booker, Gene S.


Mathematics

Chiang, Pou Shun


Hannon, Herbert H.


Hsieh, Philip Po-Fang


"Note on Regular Perturbations of Linear Ordinary Differential Equations at Irregular Singular Points." Funkcialaj Ekvacioj, VIII (March 1966) 99-108. (with Y. Sibuya)

"Global Analysis of Matrices of Functions of Several Variables." Journal of Mathematical Analysis and Applications, XIV (May 1966), 332-40. (with Y. Sibuya)


Lick, Don Raymond


Loftsgaarden, Don O.


MUSIC

Adams, Ethel C.


Holmes, Robert

Sheldon, David A.

"The Philosophy of Theodor Adorno." Current Musicology, I (Summer 1965), 83-91.

"Report from Indiana: Inter-American Conference of Ethnomusicology and Composition." Current Musicology, II (Fall 1965), 199-201.

Szabo, Burt


Zastrow, Joyce


**PAPER TECHNOLOGY**

Diehm, Robert A.


Kline, James E.

"A Survey of Factors Affecting Runnability of Sheet Fed Papers." *TAPPI*, XLIX (June 1966), 124A

**PHILOSOPHY**

Mullane, Harvey P.


**PHYSICAL EDUCATION - MEN**

Hobbs, George W.


Jevert, Joseph


Slaughter, Thomas C.


PHYSICS

Kruglak, Haym


POLITICAL SCIENCE

Althoff, Phillip S.

Political Activism in a Rural County. Laboratory for Political Research, Department of Political Science, University of Iowa, Iowa City, Iowa, 1966. Pp. 13 (with Samuel C. Patterson)

"Political Activism in a Rural County." Midwest Journal of Political Science, X (February 1966), 39-51. (with Samuel C. Patterson)

Greenberg, Milton


Kim, C. I. Eugene

"Korea in the Year of ULSA." Asian Survey, VI (January 1966), 34-42.

McAnaw, Richard L.

"The American State Executives: Their Background and Careers." State Government, XXXVIII (Summer 1965), 146-53. (with Deil S. Wright)

Olton, Roy


PSYCHOLOGY

Lyon, David Q.

"A Note on Response Rate and Conditioned Suppression." The Psychological Record, XV (July 1965), 441-4.

"Conditioned Suppression and Variable Ratio Reinforcement." Journal of the Experimental Analysis of Behavior, IX (May 1966), 245-8 (with Mark Felton)


Mountjoy, Paul T.

"New Illusory Effect of the Muller-Lyer Figure." Journal of Experimental Psychology, XVII (January 1966), 119-23.


Robertson, Malcolm H.


Thor, Donald H.


Ulrich, Roger E.


"Educational Implications of a Science of Human Behavior." Psychology, II (December 1965), 5-7. (with T. J. Stachnik)
"Definition of Terms: A Failure in Introductory Psychology." Psychological Report, XVI (January-July 1965), 525-6. (with T. J. Stachnik)

"The Effects of Visual Impairment on Aggressive Behavior." Psychological Record, XV (September 1965), 185-190. (with R. K. Flory and P. Wolff)

"Disruptive Effects of Aggression." American Psychologist, XX (July 1965), 583.

"Reinforcement of Aggression Through Intra-cranial Stimulation." American Psychologist, XX (July 1965), 554. (with T. J. Stachnik and J. H. Mabry)


"Psychiatric Diagnosis: Some Cracks in the Crystal Ball." Psychological Report, XVII (April 1965), 981-90. (with T. J. Stachnik)

RELIGION

Earhart, H. Byron


RESEARCH SERVICES

Buchtel, Foster S.

Boles, Harold W.


Bryan, Roy C.


Mazer, Gilbert E.


SCIENCE

Mallinson, Jacqueline


SOCIOLOGY

Eshleman, J. Ross


Hunt, Chester L.


Lewis, David


Robin, Stanley S.


"Three Approaches to Role Theory." Rocky Mountain Social Science Journal, III (January 1966), 140-8.

Wagenfeld, Morton

Brown, Charles T.


Bowen, Harry W.


Nobes, Leon D.


Ratliffe, Sharon


Smith, R. Franklin


Smith, Robert L.

(Editor), *The Michigan Speech Association Journal,* I (May 1966), 54.

Stillwell, LeVern H.


**SPEECH PATHOLOGY AND AUDIOLOGY**

Egland, George O.


VanRiper, Charles


"What Next?" *Journal of the Australian College of Speech Therapists*, XV (December 1965), 53-4.

"The Competence of the Public School Speech Therapist."

"Diagnostic Services in a Training Center." *Asha*, VIII (February 1966), 37-9. (with W. Dopheide)

**TEACHER EDUCATION**

**Brail, Frederick R.**


**Curl, David H.**


"Automated Equipment Operation Training." Audio Visual Instruction, X (September 1965), 564-5.


"Some Practical Advice on AV Problems." Training, II (September-October 1965), 18-21, 50.

"Producing a Synchronized Sound Slide Show." Training, II (November-December 1965), 12-4, 64.


"Calvin Workshop..." Training, III (May 1966), 18, 45-9.


Erickson, Edsel L.


Govatos, Louis


Inselberg, Rachel

Travers, Robert M. W.


"Temporal Relations and Meaningfulness in Paired-Associate Learning." Psychological Reports, XVII (August 1965), 491-7. (with Donald J. Mueller)
