HUMAN PERFORMANCE: WOMEN IN NONTRADITIONAL OCCUPATIONS AND THE INFLUENCE OF THE MENSTRUAL CYCLE
(A Selected Bibliography)

Linda Torsani-Fatkin
Gerald A. Hudgens

May 1980

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The bibliography is a compilation of 1485 references related to women in nontraditional occupations and the effects of the menstrual cycle on human performance. The material is divided into two major subject areas: Women's Studies/Women in Nontraditional Occupations and Psychophysiology of the Menstrual Cycle. The time period begins around the 1930's and goes into 1979. An index of first authors is included.
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INTRODUCTION

This selected bibliography represents the second stage in the effort to provide an ongoing reference source for literature including women in nontraditional occupations and psychophysiological effects of the menstrual cycle. In the initial publication, "Human performance: Sex differences and the influence on the menstrual cycle" (Billingsley & Hudgens, 1978) the literature on both sex differences and the menstrual cycle was combined. After the completion of literature searches for additional references, topic areas have consequently expanded and references have increased greatly in number. It is now more efficient to branch out into two separate bibliographies: "Human performance: Psychological and physiological sex differences" (Hudgens & Torsani-Fatkin, 1980) and the present bibliography.

Many of the references for this bibliography were obtained through two on-line literature searches which included the Medical Literature Analysis and Retrieval System (MEDLARS), based at the National Library of Medicine in Bethesda, Maryland and the Lockheed-Dialog Information Systems in Palo Alto, California. Other methods included the selection of literature listed in weekly publications of Current Contents, both the Social and Behavioral Sciences and Life Sciences issues; cross-referencing lists from the literature cited in the 1978 bibliography and in most of the new references obtained for this bibliography; the consultation of two reference guides for U.S. Government reports, the Government Reports Announcements Index and the Technical Abstract Bulletin and Index; and recent issues of Psychological Abstracts and Dissertation Abstracts International (Series B) were examined for the selection of relevant literature.

This bibliography is organized into two major subject areas. The first consists of literature on women's studies and women in nontraditional occupations. It includes articles from outside the U.S., particularly those concerned with women in the military services. The second area, comprised of literature on the psychophysiology of the menstrual cycle, also considers menstrual effects on performance as well as environmental effects on the menstrual cycle.

Each reference has been placed under an appropriate subsection according to its primary topic. When the entire reference was not available, the topic area was determined on the basis of its title only. An index of the first authors is included at the back to assist in the location of specific references.

We invite any comments, suggestions, and additions that would enable us to maintain an efficient data base of the literature for future supplements.

Our sincere gratitude is expressed to Joyce Watlington, Shirley Hanson, Sannita McKinney, Donna Byrd, Jeanne Tezai, Doris Eanes, and Violet Confer for their reliable technical assistance in the preparation of this bibliography and for their interest in our efforts.
I. WOMEN'S STUDIES/WOMEN IN NONTRADITIONAL OCCUPATIONS
A. GENERAL BACKGROUND: PSYCHOLOGY OF WOMEN


2. Baer, H. R., & Sherif, C. W. A topical bibliography (selectively annotated) on psychology of women. JSAS Catalog of Selected Documents in Psychology, 1974, 4, 42. (Ms. No. 614)


Contents:

A Woman Is Not an Oddly Shaped Man: An Introduction, Carol Tavris. 1.
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**B. WOMEN AND WORK**


18. Kuhlemeier, K. V., & Miller, J. M., III. Assessment of deep body temperatures of women in hot jobs (NIOSH 77-215). Birmingham, AL: University of Alabama Medical Center, Department of Rehabilitation Medicine, July 1977. (NTIS No. PB-274 769)


35. Smith, R. E. Women in the labor force in 1990 (DLETA 21-11-77-09-1). Washington, DC: The Urban Institute, October 1978. (NTIS No. PB-287 497)


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42. Whitehead, R. E. Notes from the Department of Commerce: Women pilots. Journal of Aviation Medicine, 1934, 5, 47-49.

C. WOMEN IN THE MILITARY


8. Army statistics contend women prefer administrative training. APC News, February 14, 1979, p. 3A.


47. Director, Resources and Requirements. *Use of women in the military: Background study*. Washington, DC: Office of the Assistant Secretary of Defense, May 1977. (NTIS No. AD-A047 118)


63. Finegan, J. *Study finds women can fill 35% of combat support units*. *Army Times*, November 1977, p. 37.


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83. Hake, J. Women, women, more women, more women, and more women. Soldiers, March 1978, pp. 6-12.


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135. More women assuming command: Men-only signs tumble. Air Force Times, September 1974, Section E.


137. Murphy, P. M. What's a nice girl like you doing in a place like this? Norfolk, VA: Armed Forces Staff College research paper, April 1977.


182. Schalkaeuser, A. German women in war service during World War II. Germany: U. S. Army, Historical Division, 1949.


206. Thomas, P. J. Role of women in the military: Australia, Canada, the United Kingdom, and United States (Special Report No. 78-10). San Diego, CA: Navy Personnel Research and Development Center, April 1978. (NTIS No. AD-A055 044)


212. Times Staff Writer. 46,000 women seen in service in FY 78. *Air Force Times*, May 1977, p. 3.


245. Women in defense: More or less equal, but no guns yet. The Economist, January 10, 1976, pp. 46-47.


248. Women may yet save the Army. Time, October 30, 1978, pp. 38-40; 42; 47.


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Cyclic Changes in Integrated Multiple Unit Activity in the Female Rat Brain, Jorge A. Colombo, David I. Whitmoyer, and Charles H. Sawyer. 651.


44. Lovett, R. W. Menstruation in woman and animals. Boston Medical and Surgical Journal, 1884, 111, 201-205.


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Electrovaginal Potential Recordings as a Determinant of Ovarian Function and Ovulation, Langdon Parsons and Peter J. Mozden. 46.

42. Kleitman, N. Basal temperature graphs and ovulation. *Journal of the American Medical Association*, 1944, 125, 82.


C. CYCLE LENGTH/REGULARITY/MENSTRUAL FLOW


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**D. MENSTRUAL SYNCHRONY**


**E. HORMONAL/OTHER SYSTEMIC CORRELATES**


38. Calbreath, D. F. We all got rhythm. *Nursing Care*, 1979, 12, 32.


48. Czygan, P. J. [Plasma levels of FSH and LH during the menstrual cycle, the menopause and in the course of gestagen treatment.] Acta Endocrinologica, 1971, 152 (Supplement), 2.


64. Faiman, C., & Ryan, R. J. Serum follicle-stimulating hormone and luteinizing hormone concentrations during the menstrual cycle as determined by radioimmunoassays. *Journal of Endocrinology and Metabolism*, 1967, **27**, 1711-1716.


88. Igarashi, M., Kamioka, J., Ehara, Y., & Matsumoto, S. Changes in human serum FSH levels during the normal menstrual cycle. Fertility and Sterility, 1967, 18, 672-677.


113. Korenev, I. P. [Excretion of hypophyseal luteinizing hormone, dopamine and 5-hydroxyindoleacetic acid during the sexual cycle.] Problemy Endokrinologii, 1975, 21, 30-33.


177. Pulkkinen, M. O., & Csapo, A. I. Effect of ibuprofen on menstrual blood prostaglandin levels in dysmenorrheic women. Prostaglandins, 1979, 18, 137.


Partial Contents:

The Role of Progestins and Progesterone in Brain Function and Behavior, B. S. Kopell. 649.
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Assessment of Psychological Concomitants of Oral Contraceptives, R. H. Moos. 676.
Role of the Central Nervous System in the Control of Reproductive Mechanisms by Gonadal Steroids, J. M. Davidson. 722.


227. Valette, A., Seradour, B., & Boyer, J. Plasma testosterone levels during
the menstrual cycle. Journal of Clinical Endocrinology and Metabolism,
1975, 40, 160-161.

228. Vande Wiele, R. L., Bogumil, J., Dyrenfurth, I., Ferin, M., Jewelewicz, R.,
Warren, M., Rizkallah, T., & Mikhail, G. Mechanisms regulating the
menstrual cycle in women. Recent Progress in Hormone Research, 1970, 26,
63-103.

prostaglandins in the normal menstrual cycle. Obstetrics and Gynecology,

230. Vartiainen, E., & Zilliacus, H. Red and white blood counts during the
menstrual cycle. Annales Chirurgiae et Gynaecologiae Fenniae, 1968, 57,
387-392.

231. Veith, J. L., Sandman, C. A., George, J. M., & Stevens, V. C. Effects of
MSH/ACTH 4-10 on memory, attention and endogenous hormone levels in women.

232. Vekemans, M., L'Hermite, M., & Robyn, C. [Serum prolactin and gonadotropins
during the normal menstrual cycle and during oral contraceptives.] Journal
de Gynecologie Obstetrique et Biologie de la Reproduction, 1972, 1 (5,
Supplement 2), 354-356.

233. Vermeulen, A., & Verdonck, L. Plasma androgen levels during the menstrual

234. Vulkov, I., & Maleeva, A. [Plasma estradiol and plasma testosterone values
during the normal menstrual cycle.] Akusherstvo Ginekologiya (Sofia),
1977, 16, 49-53.

contribution to circulating estrogens in woman. Endocrinologia Japonica,

236. Watson, P. E., & Robinson, M. F. Variations in body weight of young women
during the menstrual cycle. British Journal of Nutrition, 1965, 19,
237-248.

237. Wells, M., Brown, P. S., & Cunningham, F. J. Gonadotrophin excreted during
the menstrual cycle measured by its ability to induce ovulation. Journal

238. Wetterberg, L., & Arendt, J. Melatonin and menstrual cycle. Lancet, 1975,
2, 417.

239. Wetterberg, L., Arendt, J., Paunier, L., Sizonenko, P. C., Donselaar, W., &
Heyden, T. Human serum melatonin changes during the menstrual cycle.
Journal of Clinical Endocrinology and Metabolism, 1976, 42, 185-188.

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F. MENSTRUAL SYMPTOMATOLOGY AND DISTRESS


15. Duson, B. M. Effectiveness of relaxation-desensitization and cognitive restructuring in teaching the self-management of menstrual symptoms to college women (Doctoral dissertation, University of Texas at Austin, 1976). *Dissertation Abstracts International*, 1977, 37, 6322B. (University Microfilms No. 77-11,508)


64. Sommer, B. Stress and menstrual distress. *Journal of Human Stress*, 1978, 4, 5-10; 41-47.


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12. Döring, G. K., & Schaefers, E. [Variation in pupil dilation as a function of the menstrual cycle.] Archiv fur Gynakologie, 1951, 179, 585-593.


1. **EFFECTS ON EEG’S/EVOKED POTENTIALS/OTHER PHYSIOLOGICAL RESPONSES**


39. Yessis, M. [The pulse, arterial pressure and breathing in women-sportsmen in various phases of the ovarian-menstrual cycle.] Index and Abstracts of Foreign Physical Education Literature, 1964, 9, 70. (Originally published, Zhovnataya, O. D., Theory and Practice of Physical Culture, 1962, 9, 29-32.)


### J. EFFECTS ON PSYCHOMOTOR PERFORMANCE/COGNITION


20. Holtz, R. S. Should women fly during menstrual periods? Aviation Medicine, 1941, 12, 300-303.


K. EFFECTS ON MOOD/PERSONALITY


3. Bell, B. Self-reported activation during the premenstrual and menstrual phases of the menstrual cycle. Journal of Interdisciplinary Cycle Research, 1976, 7, 193-201.


L. EFFECTS ON OTHER BEHAVIORS


43. Percival, E. Menstrual disturbances as they may affect women in industry. Canadian Nurse, 1943, 39, 335-337.


45. Scott, G., & Tuttle, W. W. The periodic fluctuation in physical efficiency during the menstrual cycle. Research Quarterly, 1932, 3, 137-144.


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3. Barghini, G. Observations on the height and average annual height increase between the age of 6 and 18 in 3 groups of girls from Carrara having menstruated when 10, 12 or 14 years old. *Giornale d'Igiene e Medicina Preventiva, 1967*, 8, 460-476.


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2. von Bach, H. G. [Strenuous sports and menstruation.] Sportartzt und Sportmedizin, 1968, 19, 64-68.


S. RELATED ANIMAL STUDIES


12. Redmond, D. E., Jr., Murphy, D. L., Baulu, J., Zeigler, M. G., & Lake, C. R. Menstrual cycle and ovarian hormone effects on plasma and platelet monoamine oxidase (MAO) and plasma dopamine-beta-hydroxylase (DBH) activities in the rhesus monkey. Psychosomatic Medicine, 1975, 37, 417-428.


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