FILE

Report of the President

The Northeastern area members of AWM held a meeting on October 26 at Wesleyan University, in conjunction with the American Mathematical Society which was meeting there. Stephanie Troyer, Hartford University, and Dorothy Shaffer, Fairfield University, were in charge of the arrangements and program for the meeting, which was held between noon and 2 p.m. so as not to conflict with the AMS program. They had arranged for AWM to have a private dining room for lunch so that members could have lunch together and the opportunity to meet each other. After lunch we returned to the Science Center Tower for the formal part of the program. Betty Stark, Northeastern University, gave an excellent talk on Women in Finite Group Theory. The meeting was well attended and much interest shown in the work of the Association. We want to thank Walter Gottschalk, Associate Secretary of the AMS, for his cooperation and help in making the arrangements for the AWM meeting.

The annual meeting of AWM will be held at the Shoreham Hotel, Washington, D.C. on Friday, January 24 at 10 a.m. There will be a panel discussion on the topic Action Programs. The panelists will be Lenore Blum, Mills College; Maita Levine, University of Cincinnati; Edith H. Luchins, Rensselaer Polytechnic Institute; and Carolyn T. MacDonald, University of Missouri - Kansas City. Each of the panelists has a grant for this year (three from the National Science Foundation, one from the San Francisco Foundation) with which to study, or work with, women in mathematics. At the business meeting following the panel discussion Vera Pless, MIT, will report on the annual meeting of the Federation of Organizations for Professional Women which was held at Wellesley College on the weekend of November 1 - 3. AWM is an affiliate of FOPW and Vera and I represented the Association at those meetings.

You have probably seen announcements of AWM meetings in the AMS NOTICES and, now, starting with the October, 1974 issue of the Mathematical Association of America's, THE AMERICAN MATHEMATICAL MONTHLY notices of our meetings will appear in that publication. We appreciate the cooperation of both organizations in listing our future meetings along with those of other mathematical organizations.

The Eighteenth Annual AMS Survey, which appears on pages 255-259 of the October issue of the AMS NOTICES, contains alarming news about the employment of women mathematicians in academic institutions. Despite the fact that many institutions have so-called affirmative action programs and call themselves equal opportunity employers, the number of women faculty in doctorate, master, and bachelor granting departments decreased from 1973-74 to 1974-75 by 3.3% whereas the number of men faculty decreased by 2.0%. The number of male faculty members on tenure increased by 5.1% whereas the number of women faculty members on tenure increased by zero per cent. The two-year colleges come out better in one comparison between the years 1973-74 and 1974-75: the number of women faculty on tenure increased by 6.4% whereas the number of male faculty on tenure increased by 4.2%. However, in two-year colleges the number of men faculty employed rose by 1.6% whereas the number of women faculty increased by 0.8%. Clearly, many affirmative action programs exist in name only - with the action part being minimal if not non existent.

If you have an industrial position, or are interested in applying for one you will probably find interesting and helpful the article "The Industrial Mathematician Views His Profession: A Report of the Committee on Corporate Members" in the August - September issue of THE AMERICAN MATHEMATICAL MONTHLY.

Mary Gray will report on the AMS Council meeting held in New York on October 25. Those of you who are members of the American Mathematical Society know that members-at-large of the Council may now be nominated by petition as well as candidates for the office of vice-president, whereas until recently all nominations were made by the Council. It is to be hoped that soon the Council will vote to allow nomination by petition for the office of president and for membership on the Board of Trustees. This would seem to be a more democratic way to select nominees for these important posts rather than the one of nomination by the Council currently in use. I hope that all of you have voted in the Society's election this fall and that you have sent in suggestions for officers to be nominated in 1975 to serve in 1976. (These suggestions can be listed on the pink sheet which was enclosed with the AMS ballot.)

As stated in the September Newsletter, the Speakers Bureau is in operation. If you are a woman mathematician and willing to give a talk (or talks), ranging anywhere from one intended for a high school group to a talk on your mathematical research, please send me your name, topics of talks and groups for which they are appropriate. Those of you wishing names of women speakers should write to me to obtain suggestions.

Women mathematicians need to be better represented in the ranks of those holding assistantships and predoctoral and postdoctoral fellowships. Women with doctorates need time for mathematical research just as men do! (Remember that this is the first year that women have held Sloan fellowships. See the article by R. D. Anderson and William H. Pell in the October AMS NOTICES for use of Sloan fellowships in measuring the "quality" of doctoral programs.) For a list of assistantships and fellowships in mathematics for 1975-76 consult the December 1974 AMS NOTICES. Also, the Division of Mathematical Sciences, National Research Council, Washington, D.C. 20418 publishes a booklet, Fellowship and Research Opportunities in the Mathematical Sciences. Copies are free and can be obtained by writing to the above address.

Alice T. Schafer, Wellesley College Wellesley, MA 02181
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The last of the items found by Susan Montgomery in old Math Monthly issues is "Relating to Required Mathematics for Women Students" by Emilie N. Martin, Mount Holyoke College. (vol. 24 (1917) pp.394-398). While the article is too long to include in its entirety here, it is well worth reading. In discussing the difficuties encountered by requiring mathematics of all students, the author characterizes otherwise competent students who fail math as follows: "Because they did not want to master a difficult subject, they were willing to profess incompetence in order to get their own way. Here the question of sex enters in. Parents and guardians who would suffer keen mortification if the boy for whose education they are responsible were in danger of being rejected by his college because of his failure in required mathematics will condone any shortcomings of the girl in that line with a deprecating, 'You know that one does not think so much of a failure in mathematics for a girl.'" The author goes on to say why she deplores such an attitude. Here we are nearly 60 years later fighting the same fight.

JOBS

Brandeis University. Affirmative action coordinator. Master's plus 2 years experience. Contact Michael J. Enwright, Director of University Personnel Services, Brandeis, Waltham MA 02154.

University of Maryland. Data center director. Research and statistical experience, management ability. Contact R.E. Roberson, Director, Administrative Computer Center, UM, College Park MD 20742.

University of Oklahoma. Programmer/analyst. Bachelor's in business, CS, engineering, math plus 3 years' experience on 370/158 hardware, COBOL. Contact Personnel Services, 905 Asp, Norman OK 73069 (Code MCC).

University of Kansas. Earned doctorate including academic credentials in individual and group work, eligibility for faculty appointment, administrative experience in student personnel work. Contact Dr. William M. Balfour, Vice Chancellor for Student Affairs, 227 Strong Hall, UK, Lawrence KS 66045. Deadline 19 November, position to be filled by 15 January 1975.

Wagner College. Dean of Students. Earned doctorate preferred, relevant experience necessary. Contact William E. Maher, WC, 631 Howard Ave, Staten Island, NY 10301. Deadline 31 December, position now open.

University of Alabama in Birmingham. Project director to improve teaching and learning in University College. Doctorate, substantial teaching experience, administrative ability. Contact Sharon Farrow, POTLUC Office, University College, UA, Birmingham, AL 34294.

Southern Hills Joint Vocational School District. President for newly established two-year general and technical college offering associate degrees in arts and sciences, technical education and continuing education. Master's required, doctorate and/or substantial experience preferred. Contact Supt. Edwin P. Reffett, SHJVSD, Georgetown OH 45121, Attn: Presidential Search Committee. Deadline 27 November.

Kent State University. Associate Director, Upward Bound. Master's desired. Experience in and knowledge of minority group problems and secondary education. $10,000. Contact Jerry H. Sullivan, Asst to the VP for Student Affairs, 118 Kent Hall, KSU, Kent OH 44242. Deadline 29 November 1974.

Arizona State University. Asst prof in quantitative systems for College of Business Administration. Contact Dean Glenn D. Overman, College of BA, ASU, Tempe AZ 85281. Deadline 27 November.

University of Oregon. Asst prof in quantiative methods, particularly applied statistics with expertise in multivariate methods, experimental design and time series analysis. Contact Richard West, Dean College of BA, UO, Eugene OR 97403. Deadline 1 January.

Indiana University at Fort Wayne. Asst prof in quantiative methods to teach simulation, introductory computer and OR. Contact D.A. Stonebarger, Chairman, Division of Business and Economics, IU at FW, 2101 Coliseum Blvd East, Fort Wayne IN 46805.

Alverno College. Institutional research director. 12 month position open immediately. Contact Dan Riedy, VP, Administration, AC, 3401 South 39th St, Milwaukee, WI 53215.

University of South Carolina. Dean of the Graduate School. Contact Dr. William H. Wesson, Jr, Chairman, Search Committee, Office of VP for Instruction, USC, Columbia SC 29208.

Cuyahoga Community College. Math dept head. Master's plus 5 years' experience. Contact Curtis F. Jefferson, Dean, Humanities and Social Science, CCC, Cleveland OH 44115.

Roanoke College. President. Contact Dr. Randolph Demson, The President Search Committee, Roanoke College, Salem VA 24153.

SUNY College at Plattsburgh. Vice-President for Academic Affairs, Vice-President for Student Affairs. Contact Advisory Committee for relevant position, Office of Asst to the President, Box 200, SUNY, Plattsburgh NY 12901. Deadline 6 December.

Flathead Valley Community College. President. Contact President Selection Committee, Mrs. Jean Robocker, Chairman, General Delivery, Kalispell MT 59901.

West Chester State College. Vice President for Academic Affairs. Earned doctorate and teaching experience required. Administrative and research experience desired. Contact Chairperson, Search Committee for VP for Academic Affairs, c/o Office of the President, West Chester State College, West Chester PA 19380. Deadline 1 January.

SUNY at Utica/Rome. Vice President for Academic Affairs. Earned doctorate, teaching and administrative experience · familiarity with community colleges. Contact Dr. William R. Kunsela, President, SUNY College, 811 Court St, Utica NY 13502. Deadline 1 December.

Humboldt State University. Affirmative action coordinator. $15,924-27,240 for 12 months. Contact Dr. Alistair W. McCrone, President, Humboldt State University, Arcata CA 95521. Deadline 1 December.

Department of Health, Education and Welfare. Program analysis officer for Office of Child Development. Contact Edith Henderson, Rm 4322, HEW North Bldg, 330 Independence Ave, SW, Washington DC 20201. (202) 245-6851. Program analyst (GS-13) Office of Civil Rights. Personnel management specialist (2 positions, GS 11/12/13). Office of Personnel and Training. Contact Ron Walczak, Rm 4324, HEW North Bldg, 330 Independence Ave SW, Washington D.C. 20201. (202)245-6851.

University of New Hampshire. Asst prof, math. Algebra, analysis, statistics, topology. Contact M. Evans Munroe, Math Dept, Kingsbury Hall, UNH, Durham NH 03824. Deadline 1 February.

Central Michigan University. Dean, School of Arts and Sciences. Earned doctorate, scholarly productivity, recent teaching experience, 2 years' administrative experience. Contact Chairperson, The Dean Search Committee, Box 117, CMU, Mt. Pleasant MI 48859.

University of California, Davis. Applied mathematician with ability in one or more of the following areas: 1. Biomath 2. Computer science (not numerical analysis) 3. Social and management science 4. Engineering mathematics. Contact Prof D.O. Banks, Math Dept, UCD, Davis CA 95616.

California State College, Sonoma. Vice President for Administrative Affairs. $28,992-35,244. Contact Committee on Administrative Appointments, Office of the President, CSCS, Rohnert Park CA 94928. Deadline 1 February.

University of Massachusetts, Amherst. Dean, Natural Sciences and Mathematics. Contact Prof C.P. Swanson, Chairman, Search Committee, Botany Dept, Morrill Center 01002. Deadline 15 December.

Wisconsin Research and Development Center for Cognitive Learning. Systems programmer specialist. Master's or bachelor's with additional experience. Acquainted with secondary storage concepts and assembly languages. $11,500-13,500. Contact Doris M. Ardelt, Room 769F, 1025 W. Johnson St, Madison WI 53706.

Dartmouth College. Deputy affirmative action officer. Graduate degree, 3 years' experience. $15,000 minimum. Contact Manager of Employment DC, Box 283, Hanover NH 03755.

Eastern Michigan University. Faculty position in business computer systems (Ph.D. required), Director of Institutional Research (Master's required) (open 1 January 1975), Department Head for OR and Information Systems (Ph.D. required) (open 1 January 1974). Contact Dr. Bruce K. Nelson, VP for Instruction, EMU, Ypsilanti MI 48197.

University of Detroit. Dean, College of Arts and Sciences. Contact Henry B. Maloney, Dean of Faculties, UD, Detroit MI 48221.

University of Connecticut. Associate dean, graduate school. Contact Dean of the Graduate School, Box U6, UC, Storrs CT 06268.

Community College of Denver. Director, Division of Science and Mathematics. Earned doctorate, teaching experience, administrative potential. Contact Dr. Martin Van Dyke, Dean, General Studies, CCD, North Campus, 1001 East 62nd Ave, Denver CO 80216. Deadline 1 December.

Hofstra University. Dean, College of Liberal Arts and Sciences. Administrative and teaching experience and Ph.D. Contact Dr. Alfred Cohn, Chairperson, Dean's Search Committee, 203 Hofstra Hall, HU, Hempstead, NY 11550.

Los Angeles Valley College. President. Master's, 2 years' teaching experience and 3 years' administrative experience. $29,780-37,153. Contact William W. Spaeter, Vice Chancellor, Personnel Services Division, LA Community College District, 2140 W. Olympic Blvd, Los Angeles CA 90006. Dealine 22 November, job to begin 1 February 1975.

Illinois State University. Vice President and Provost. Achievement as scholar and teacher, administrative experience. Contact Dr. Jean Scharfenberg, Chairperson, AP and Provost Search Committee, c/o Secretary of the University, Hovey 301, ISU, Normal IL 61761. Deadline 2 December.

Virginia Commonwealth University. President. Contact Dr. H.I. Willett, Chairman, Presidential Search Assistance Committee, VCU, 910 West Franklin St, Richmond VA 23284.

Humboldt State University. Executive asst to the president. Doctorate or equivalent, teaching and administrative experience. $22,416-27,240. Contact Dr. Alistair W. McCrone, President, Humboldt State University, Arcata CA 95521. Deadline 1 December.

SUNY College at Buffalo. Vice President, Academic Affairs. Earned doctorate and substantial teaching and administrative experience. Contact Dr. John R. Aiken, Chairman, Search Committee for Vice President, 517 Cleveland Hall, SUNY College, 1300 Elmwood Ave., Buffalo NY 14222.

Appalachian State University. Dean of the Graduate School. Contact Dr. J. Edward Harrill, Chairperson of Serach Committee, ASU, Boone NC 28608.

Salem State College. President. Contact Walter H. Flinn, Chairman, Trustees' Presidential Search Committee, Massachusetts State College System, 53 State St, Boston MA 02109. Deadline 15 December.

Kentucky State University. President. Contact Dr. Joseph P. Leone, Chairman, Presidential Search Committee, c/o Office of the President, KSU, Frankfort KY 40601. Deadline 1 January.

Kansas State University. President. Contact Dr. John B. Noonan, Secretary, Presidential Search Committee, Fairchild Hall 101, KSU, Manhattan KS 66506. Deadline 25 November.

Western Connecticut State College. President. Contact James A. Frost, Board of Trustees for the Connecticut State Colleges, 1280 Asylum Ave, Hartford CT 06105.

California State University, Fresno. Two positions, one in CS plus
stat or applied math, one in stat, applied math and OR. Master's
required. Ph.D. or D.Ь.A. required for asst or assoc prof appointment.
Undergraduate and graduate courses, 12 hour load. $11,316-16,728
(lecturer, asst prof or assoc prof). Contact Clayton R. Tidyman,
Chairman, Dept of Accounting and Quantitative Studies, CSU, Fresno,
CA 93740. (209)487-2798.

SUNY Buffalo. At least one opening exists for George William Hill and
Emmy Noether Research Instructorships in Mathematics. Ph.D. must be
completed by 1 September 1975. Appointment for 1975-77 is for two years
and priority consideration for reappointment as assistant professor is
given. Application forms are available on request. For detailed
description of these positions and forms write to Professor N.D.
Kazarinoff, Chairman, Dept of Math, SUNY, 4246 Ridge Lea Road, Amherst
NY 14226. Applications must arrive no later than 20 January 1975.

San Jose State University. One asst professorship possibly available
Fall 1975. 12 hr teaching load. Salary $13,100-13,700 per academic
year(at present). Ph.D. in Mathematics required. Preferred specialties:
CS and applied math, although other fields will be considered. Contact
Prof Franklyn B. Fuller Chrm, Dept of Math, SJSU, San Jose CA 95192.
Deadline 1 January 1975.

University of Texas, Austin. 2 or 3 asst professorships available, one
in numerical mathematics,having an initial appointment of two years
and a two course teaching load. There will also be two or three
two year instructorships with a three course load. Contact Recruiting
Committee, Math Dept, Univ of Texas, Austin TX 78712.

University of Santa Clara. 2 openings at the asst prof level. Speci-
alizations: (1) applied math and/or stat, (2) analysis and/or OR.
Undergraduate teaching (8-12 hrs/week) and reasearch. Ph.D. in math or
stat required. Contact G.L. Alexanderson, Chrm, Dept of Math, USC,
Santa ClaraCA 95053.

Loyola Marymount University. Asst professorship. Only persons
holding a doctorate in mathematics with a maximum of one year teaching
experience after the doctorate will be considered. Priority will be
given to individuals with a well-rounded background and a willingness
to teach a broad range of undergraduate mathematics courses. Contact
Dr. Jacqueline Dewar, Dept of Math, LMU, Loyola Blvd at W. 80th St,
Los Angeles CA 90045.

Indiana University. Several asst professorships in math. Recent Ph.D.,
especially interested in those in algebra, numerical analysis and
statistics but applicants in other areas will be considered. Contact
Maynard Thompson, Chairman, Dept of Math. One assistant professorship
in CS. Especially interested in those in programming languages,
operating systems, information systems and theory but applicants
in other areas will be considered. Contact Ranklin Prosser, Chairman,
Dept of CS, Indiana Univ, Bloomington IN 47401.

Union College. Asst professorships. Ph.D. required. Preferred field
of specialization: numerical analysis, probability theory, automata
theory. Others seriously considered. 9 hour teaching load. Contact
Arnold Seiken, Chrm, Dept of Math,UC, Schenectady NY 12308. (518)370-6246.

Tufts University. Four asst professorships from among the following
specialties: 1. Functional analysis, 2. Statistics, 3. Computer oriented
mathematics, e.g., numerical analysis, combinatorics, information
theory; 4. Differential geometry and topology. Teaching load 6 hours
per week. Deadline February 1975. Contact George F. Leger, Chrm,
Dept of Math, TU, Medford MA 02155.

University of Wisconsin-Extension. Asst to chancellor for
affirmative action. Master's or equivalent. Contact Program and
Staff Development, 432 N. Lake St, Madison WI 53706. Deadline
1 December.
Black Hawk College. Computer services coordinator. Bachelor's in
CS or math. Contact Acie B. Earl, BHC, 6600 34th Ave, Moline IL
61265.
Indiana University. Affirmative Action Officer. Contact Dean
Glenn Ludlow, Bryan Hall 320, Indiana Univ, Bloomington IN 47401.
University of Illinois. Vice chancellor for administrative affairs.
Contact Prof J.D. Haltiwanger, Chairman, Vice Chancellor Consultative
Committee, 1116 Civil Engineering Bldg, UI, Urbana IL 61801. (217)
333-3291. Deadline 15 December.
College of the Mainland. Math instructor. MA in math and experience
with math lab for self-paced, individualized study. Contact M.G.
Bordelon, College of the Mainland, Texas City TX 77590.
University of Texas at Arlington. Dean, Graduate School. Contact
Prof James V. Cornehis, Institute of Urban Studies, UTA, P.O. Box
19069, Arlington TX 76019.
Harford Community College. Dean for Curriculum and Instruction.
Contact Dr. Kenneth W. Oosting, President, Harford Community
College, 401 Thomas Run Rd, Bel Air, MD 21014.
University of North Carolina at Greensboro. Director of continuing
education. Contact Ernest A. Lumsden, Chairman, Search Committee,
Room 119, Graham Bldg, UNCG, Greensboro NC 27412.
Pomona College. Dean of the College. Ph.D. in arts or sciences,
reputation for scholarship, undergraduate teaching experience and
experience in academic administration. Contact Prof Jack C. Miller,
Chairman, Search Committee, Sumner, PC, Claremont CA 91711. Deadline
1 December.
SUNY at Buffalo. Vice President for Academic Affairs. Contact Dr.
M.W. Ertell, Chairman of Screening Committee, Hayes Hall, Buffalo
NY 14214.
West Georgia College. President. Contact Dr. Donald T. Wells,
Chairman, Search Committee, Office of the President, WGC,
Carrollton GA 30117.
El Paso Community College. President. Contact W. S. Marshall,
Chairman, El Paso Community College Council, c/o College Personnel
Officer, 2200 Bott Avenue, Colorado Springs CO 80904. Deadline
31 December.
Walsh College. Academic dean. Ph.D., administrative experience.
Contact Search Committee, Office of the President, WC, Canton
OH 44720.
Hartford College for Women. President. Administrative experience
and commitment to liberal arts essential, doctorate and teaching
experience desirable. Contact Ellsworth Davis, Chairman, Board of
Trustees, 17 Haynes St, Hartford CT 06103. Position open July 1976.
New Mexico State University. Ph.D. in math to teach undergraduate
and graduate courses in math. Applied math or stat preferred. Contact
Chairman, Dept Math, NMSU, Box MB, Las Cruces NM 88003.
American Association of University Women. General Director.
Earned doctorate; executive expertise; skill in personal relation-
ships, written and spoken communication; demonstrated commitment
to the women's movement. $27,000-32,000. Contact Search Committee,
AAUW, 2401 Virginia Ave NW, Washington DC 20037. Deadline
31 December.
SUNY at Buffalo. Asst Vice President for Affirmative Action. Terminal
degree and AA experience. Contact Hilda Korner, 192 Hayes Hall,
Buffalo NY 14214. Deadline 1 December. Job open 1 January.

University of Denver. Asst/assoc prof, Ph.D. in CS or otherwise
demonstrated expertise in advanced computer programming techniques and
software technology. Undergraduate and graduate teaching, interaction
with other departments in curriculum development. Contact Dr. William
S. Dorn, Chrm, Dept of Math, UD, Denver CO 80210.

California State University, Fresno. Manager, ADP services. Bachelor's
in BA or related area, creative and innovative in development of
computer applications. 3 yrs experience in systems design plus working
knowledge of COBOL. $19,404-23,592. To begin 1 January 1975. Contact
Larry E. Smith, Director of Academic Personnel Services, CSU,
Fresno CA 93740. (209)487-1027.

San Mateo Community College. Temporary part-time math instructor,
spring semester 1975 only. To teach one or more algebra or trig course.
Master's and eligibility for community college credential. Contact
Office of Instruction, CSM, 1700 W. Hillsdale Blvd., San Mateo CA 94402.
Deadline 22 November.

Florida International University. Vice Provost, Interama Campus.
Position now open. $28,000-33,000. Contact Provost Milton Byrd,
FIU, Tamiami Trail, Miami FL 33144. (305)522-2787.

Fairleigh Dickinson University, Teaneck-Hackensack Campus. Two positions
in computer science, rank open. Ph.D. in CS or closely related field.
Expertise in operating systems, simulation, or computer architecture is
desirable. Contact Richard Bronson, Dept of Math and CS, FDU, Teaneck
NJ 07666.

University of Arizona. Position in CS, rank and salary open. Preferred
specializations: programming languages, analysis of algorithms,
operating systems or performance evaluation. Contact Ralph E.
Griswold, Head, Dept of CS, UA, Tucson AZ 85721.

Temple University. 2 lectureships available for recent Ph.D's in math.
Appointments are for a period not exceeding 2 years. 9 hour teaching
load at undergraduate level. $11,500. Contact Albert Schild, Chrm,
Dept of Math, TU, Philadelphia PA 19122.

University of California, Berkeley. Several 2-year lecturerships for
new Ph.D's. Asst prof level opening in finite math, another in
probability theory, candidate to hold joint appointment with Stat Dept.
Separate requests are pending for asst prof positions in algebra,
topology, logic, partial differential equations, and applied mathemaics.
Candidates for asst prof position should have established records
of teaching/research. Send resume, preprints, reprints, and/or
thesis abstract, names of three references. Contact David Gale,
Dept of Math, UCB, Berkeley CA 94720.

The hiring practices of Berkeley have in the past been a subject of
a great deal of criticism,and it was established that their "search"
for women and minority candidates for positions for 1974-75 was
pro forma. Therefore, AWM intends to monitor the process this year
as closely as possible. We should appreciate receiving copies of
applications sent to Berkeley by women, together with ensuing correspon-
dence. No one's name will be used without explicit permission We
have asked the Berkeley math dept's cooperation with AWM in several
ways; we have no response as yet.

University of Delaware. Chairperson, Stat and CS. Ph.D. statistician
with significant research accomplishment, experience in higher
education and administrative ability. Contact Hatem Khalil, Sec,
Search Committee, Dept of Stat and CS, UD, Newark DE 19711. 2 Asst
profs in CS for February 1975. Graduate and undergraduate teaching
and research. Specialties: data management, symbolic computation,

artificial intelligence, scientific computation or scientific algorithms. Contact Dr. James F. Leathrum, address as above. Chairperson, math. Research interests and sound teaching experience and demonstrated aptitude for administrative duties. Contact Search Committee, Dept of Math, UD.

Defense Communications Agency. There are openings periodically which someone with mathematical training could fill. Since the deadlines are tight, interested applicants should write and ask to be put on the mailing list for job openings; be sure to specify that openings at all installations be included. Defense Communications Agency, 8th St and South Court House Road, Arlington VA 22204.

HEW. In addition to the jobs listed elsewhere in this issue of the newsletter, we currently have listings for program analysts, computer specialists, environmental affairs specialists, computer systems analysts, program analysis officers, computer programmers, and equal opportunity specialists. Again, the deadlines are tight so it is best to be on their mailing list. Contact Office of the Secretary, HEW North Bldg, 330 Independence Ave SW, Washington DC 20201.

Woodrow Wilson Doctoral Dissertation Fellowships in Women's Studies. Students must be nominated by the dean of the graduate school or the department chairman by means of a letter providing the candidate's name, address, and proposed dissertation topic. Deadline for receipt of nominations 16 December. $300 per month for up to twelve months, plus tuition, dependency and research allowances. Woodrow Wilson National Fellowship Foundation, Box 642, Princeton NJ 08540.

Ford Foundation Faculty Fellowships for Research on the Role of Women in Society. Candidates must be faculty members of a college or university in the US and Canada. Nominations must be submitted by department heads or deans to whom the necessary forms are supplied by the Foundation. Each department or professional school is limited to one nominee. Contact Ford Foundation Faculty Research Fellowship Program on Women in Society 320 East 43rd St, New York NY 10017. Stipends are equal to candidate's academic salary at the time of nomination.

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Letter

Inspired in part by the letter of Judy Roitman and Judy Glasner regarding the woman's movement at Berkeley, and in part by our own desires for camaraderie, we finally organized a meeting of women in the department at the end of spring quarter. Attendance was good, with faculty, TA's and non-academic staff about equally represented. Our own goals for the group were not well-defined at the outset - we hoped the group's activities would evolve naturally from the needs and interests of the participants. There were immediate suggestions to "organize," so we adopted the name Women in the Math Department and met every Wednesday for lunch.

Among our first activities were talks by graduate students about women in other cultures: Uma Gulani discussed women in India and Netiva Baskin talked about her experiences in the Israeli army. Elizabeth Kurrle, administrative aide, gave an informative talk on the status of our non-academic employees; the need for a distinct civil service category for our highly skilled math typists was brought to our attention. Apparently pressure for a higher rating met with no success. We would like to know whether other departments see a need to upgrade the position of their technical typists.

Meetings continued throughout the summer, and were attended by a small, but loyal group. There was a most successful lecture-demonstration by Officer Gale Dreas of the UICC campus police, who co-authored a report on police procedure in handling rape cases on campus. With the women in biology, we co-sponsored a talk by Dr. Fann Harding, founder of the Federation of Organizations for Professional Women (of which the AWM is an affiliate). We hope to plan further activities with the women in the biology department, and eventually other departments as well.

Since we could recall only one woman colloquium speaker in the past four years, we wrote a letter to the colloquium chairman pointing out this imbalance, and suggested the names of some prominent women mathematicians we felt would be of interest to our department. Consequently, at least one woman has been invited to speak this fall.

Finally, we reinstated a noontime cookie-coffee hour; this time provides an opportunity for faculty, staff and graduate students (of both sexes) to meet socially.

Our future plans include more talks on topics of general interest to women in the department. We also hope to form a corps of graduate students for the purpose of counselling and encouraging prospective and current undergraduate women math majors.

A final word about the nature of our group: we are essentially apolitical; our primary objective is the sharing by women of their ideas, problems and experiences. We have found that this approach excludes the least number of women.

<div align="right">Rhonda Hughes and Nancy Johnson
University of Illinois at Chicago Circle</div>

<div align="center">*****</div>

<div align="center">THE TWO CITY PROBLEM: A PERSONAL TESTIMONY
by Everywoman, Ph.D.</div>

As I settled down for my evening's ride on the 6 p.m. Philadelphia-New York express, I pulled out of my grotesque handbag the usual assortment of things I didn't have time to read at the office. In the one hour and nine minute ride home from work I'm usually too tired to do anything more serious than read mail or the newspaper. Included was the AWM newsletter with R.R. Struik's article on the two city problem. I couldn't quite decide if it was natural or ironic that I read that article while on the train.

For I am a Doctor A married to a Doctor B, and my Doctor B has a position 65 miles, i.e., $1\frac{1}{2}$ hours door-to-door by train or car, from mine. Dr. B is a scientist who spends long hours in his lab and so insists on living near it. I am a statistician who can presumably carry everything I ever need in my head (or, in my case, in my grotesque handbag) and so it is obviously more practical for me to commute.

Lest you admonish my unliberated state I remind you that part of marriage is compromise, and perhaps my compromises are more complicated than some other people's.

After commuting daily on the 8:30 a.m. train and returning on the 6 p.m. train for a year and a half, I experienced repeated spells of irritability and anxiety and had a strong desire to run away from home. An opportunity arose to sublet an apartment in Philadelphia for the spring semester with a friend I made on the train who was in exactly the same situation as I. It was, so to speak, an offer I couldn't refuse, and since that time (nearly a year) I have maintained an apartment in Philadelphia which I use about twice a week.

I am not terribly frank about my Philadelphia apartment to most people. Those who would express shock or lack of understanding (or who want to see my etchings) simply are given the impression that I commute daily, occasionally "staying over with a friend." Obviously this option is not open to couples living a lot further apart.

Although the Philadelphia apartment has decreased my irritability and seems to give me more time to get research done, my lifestyle is nonetheless quick-paced and schizophrenic.

While commuting by train, I have met many other people involved in the two-city problem. Most of them are graduate, medical, or law students, or post-docs, and a few have temporary jobs such as the man who works for the Bicentennial. These people see themselves commuting perhaps for four years, then hopefully they will find a job closer to their spouse's. There is, however, one woman who is a bank manager, who has been commuting daily to her 9 a.m.-4p.m. job for 15 years! She does not seem to mind commuting, and as she seems awfully cheerful while waiting for the 7:15 a.m. train, I expect we have no empathy.

Why do I live this way? I have a job I love at a prestigious university with good possibilities for tenure. My department regards women in much the way we all dream women would be regarded everywhere: as people, as peers. My classes have been two days a week since my arrival. Philosophically commuting is a small price to pay for such a luxury.

How has this situation affected our marriage? Dr. B is not thrilled with our present arrangement, but he too has adjusted to doing 13-hour experiments on nights I'm away. Household chores are shared almost unconsciously, most done together on weekends. Sometimes we both have hard days and try to take it out on each other. But most of the time we spend together is pleasant and communicative. We have become aware of how little time we do spend together, and try to appreciate it. We both know how it feels to live separately, that we can function well independently, and that we still wish to be married to each other.

I hope some day I will not be a commuter, but I don't see that happening for a few more years. We each think about moving to the other's university, but the probability of achieving this is very low. If one of us doesn't get tenure, we both agree to look for jobs. And so for the meantime, I live in two places, have two sets of friends, and invariably need books or papers that are where I am not.

*****

Bitter Roots
by Marion Cohen

I finished my Ph.D. dissertation three years before getting the Ph.D.

The thesis had been written entirely on my own. As Wesleyan had no one on its faculty capable of judging it (Two of my prospective advisors had been forced out by university politics.), I had to look elsewhere. Wesleyan tried and could find no one, other than a mathematician who came for a year and studied up on distribution theory in order to serve as my advisor! She read my thesis and told me that it would not do, that I would have to start over.

We are now about to make a long story short. The next two years were spent in great suffering; I contacted several mathematicians and finally sent my paper to Laurent Schwartz, the inventor of distributions. He wrote Wesleyan a letter, stating that my paper was original, correct, useful, worthy of publication and a Ph.D., and anything else their hearts might desire. About a year later, Wesleyan scheduled a thesis

defense and passed me without further adieu.

Is the ending happy? No. For, having had no real advisor, I have
no connections and have trouble with both publications and employment.
What kind of society is this, that so discourages independent thinking?

*****

Women - and Mathematics, Physics and Technology?
Women - and Research?
by Else Høyrup, Mathematics Institute
Copenhagen University

Second installment

2. Development of sex distinctions concerning physics and technology
during childhood.

It is easy to see that Danish girls and boys are raised differently
in regard to training in physical thinking and mechanical intuition,
even though, despite the traditionally limited adult role of women,
it is not altogether obvious why girls are so effectively hindered in
being able later on to work with physics and technology. Individual
talented girls are, in spite of everything, still capable of learning
a great deal of physics and technology in school and later, but
it often remains on a purely theoretical plane, without their reaching
as deep an understanding of the phenomena as they might have been
able to achieve under a different form of upbringing; the handicaps
with which most Danish girls are inoculated in early childhood in
regard to their conception of physical and mechanical processes simply
cannot be completely overcome later in life. And this can be a bitter
thing.

An example from child-raising: If a little boy takes an
alarm clock to pieces, his parents may well say that "He will
be a fine engineer some day." But if his sister does the same
thing, she will most probably just be scolded for making a mess.
Women physicists and engineers who emigrated from Poland to Denmark
around 1970 have told of their wonder at seeing the problems which
Danish girls have with mathematics, physics and technology.
The poor relationship which Danish girls have with physics and
engineering has in any event one function: it helps to keep women
powerless--in the first instance only with regard to their physical
surroundings, but in an industrial society based to such a high degree
as ours upon technology this leads also to powerlessness in general.
Incidentally, it is tragicomic that some of the girls who are
said to be quite unsuited to technology later on are found
sitting in our factories and performing much of the technical
handwork in the mechanical and electronic industries. But
probably they are doing this under poor conditions--uneducated,
poorly paid, with monotonous and fatiguing work, without any
overall view of the whole production process, without any possi-
bilities for further education or advancement--and without any
prospect of better work in the future. They are indeed without
any power over the technology they work with--or over anything else.

(To be continued)

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Report on the AMS Council Meeting, 25 October in New York

The fate of the resolution calling on the AMS not to meet in facilities designated or operated in a discriminatory fashion could be predicted when the President of the AMS showed up at the Council meeting wearing a tie proclaiming himself to be a male chauvinist pig. In case any of you saw the letter sent out by Saunders MacLane (on an AMS letterhead) giving his views on the election of members of the AMS Council, apparently the resolution on discrimination was the irrelevant matter which he condemned "present Council members, who appear to represent the Association for Women in Mathematics" for insisting on discussing. Since I gather I am one referred to, I should say that while I make no claim to represent AWM, the Society is supposed to be dedicated to the same principles as AWM. I also want to thank the many people who sent me copies of MacLane's letter since he did not see fit to do so himself.

One more item on the MacLane letter--in it he congratulates the AMS for its efforts in employment and discrimination problems, neglecting to mention that they were not a leadership initiative but the result of pressure from the membership through a business meeting resolution. Moreover, one of the purposes of the letter was apparently to persuade AMS members not to vote for Judy Green--to do this he cites the great work of an AMS committee (Emergency Employment Problem) neglecting to mention that Judy is a member of that committee.

By the way, there seems to be some difficulty with the mailing of ballots. They were due in 11 November and by then I had not yet received mine. If you did not get yours until too late to make that deadline, would you please let me and Everett Pitcher (Dept of Math, Lehigh Univ, Bethlehem PA 18015) know?

The Council received interim reports from the Emergency Employment Problem and the Teaching Load and Class Size committees. An unresolved problem is what to do about the Employment Register at January meetings so if you have any suggestions, write Charles Curtis (Dept of Math, Univ of Oregon, Eugene 97403). Also, the Teaching Load committee is still trying to gather information on increased teaching loads or special instructorships carrying higher than normal loads. Please write George Piranian (Univ of Michigan, Ann Arbor 48104).

There is a special committee studying the fate of the Proceedings of the AMS, so if you have any suggestions on format, editorial policy, etc.,please contact W.W. Comfort (Dept of Math, Wesleyan, Middletown CT 06457). I have suggested that the issue of blind refereeing be considered, so if you have anything to say on that, let him know.

Attending Council meetings can be very instructive. If you will be in Washington for the annual meeting, try to come: Wednesday, 22 January at 2 p.m.
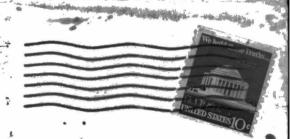
Mary Gray

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Sex Discrimination in Education Newsletter begins publication this fall. It will cover events at all levels of education, from nursery school through post-doctoral programs. Subscriptions $5 (must be prepaid) for individuals and $10 for institutions. Feminist Research Project, Dept of Psychology, Univ of Michigan, Ann Arbor MI 48104.

*****

Temple University. A senior mathematician with an established research record for appointment as full professor. Applicant must have strong educational interests and be capable of directing doctoral dissertations. While there is some latitude with respect to areas of specialization, special attention will be given to applied mathematics, particularly numerical analysis, differential equations, control theory or related fields. Contact Albert Schild, Dept of Math, TU, Philadelphia PA 19122.

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