Amendments to the AAAS Constitution and Bylaws:

1977 Election Results

Ballots on three proposed amendments to the AAAS constitution were enclosed with the 1977 election ballots. Favorable votes for each of the three were cast by well over two thirds of the members who responded. The amendments take effect immediately, as follows.

Article II, Objectives, is amended by addition of the italicized words: "The objectives of the American Association for the Advancement of Science are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress."

Article VI, Officers, Section 1, is amended by deletion of the words in brackets: "... The term of the President-Elect shall be three years [, beginning on the January 1 following election]; he or she shall serve in the second year as President and in the third year as Chairman of the Board of Directors. The terms of the Directors shall be four years[, beginning on the January 1 following their election]."

Article VII, Council, Section 2, is amended by deletion of the words in brackets: "... Delegates shall serve terms of three years [, beginning on the January 1 following their election]; they may serve a maximum of two consecutive terms."

With the adoption of these amendments, bylaw amendments provisionally adopted by the Council on 23 February 1977 also take effect immediately, as follows.

Article VI, Council, is amended by adding the following new Section 2 and renumbering present Sections 2 through 5. "Terms of Council Members. The terms of Council members are stated in Constitution Article VII, Section 2. New members shall take office immediately following the Annual Meeting held after their election."

Article VII, Board of Directors, is amended by adding the following new Section 3 and renumbering present Sections 3 and 4. "Terms of Board Members. The terms of Board members are stated in Constitution Article VI, Section 1. New members shall take office immediately following the Annual Meeting held after their election."

The successful candidates in the 1977 general and electorate elections are listed below. Terms begin on 18 February 1978.

General Election

President-Elect: Kenneth E. Boulding Members of the Board of Directors: Eloise E. Clark and Russell W. Peterson Members of the Committee on Nominations: J. Lawrence Apple, William Bevan, Seymour Martin Lipset, and Fred D. White

Electorate Elections

Section A—Mathematics
Chairman-Elect: Garrett Birkhoff
Member-at-Large of the Section Committee: R. Creighton Buck

Members of the Electorate Nominating Committee: Anneli Lax and Daniel Zelinski

Section B—Physics

Chairman-Elect: Arthur L. Schawlow Member-at-Large of the Section Committee: A. M. Clogston

Members of the Electorate Nominating Committee: Ann C. Birge and P. James E. Peebles

Section C—Chemistry

Chairman-Elect: Fred Basolo Member-at-Large of the Section Committee: Sidney W. Benson

Members of the Electorate Nominating Committee: Roger G. Bates and Elizabeth K. Weisburger

Section D—Astronomy

Chairman-Elect: Peter S. Conti Member-at-Large of the Section Committee: William M. Irvine

Members of the Electorate Nominating Committee: Clark R. Chapman and George Wallerstein

Section E—Geology and Geography
Chairman-Elect: Linn Hoover

Member-at-Large of the Section Committee: Dorothy B. Vitaliano

Members of the Electorate Nominating Committee: Daniel F. Merriam and William A. Oliver, Jr.

Section G—Biological Sciences

Chairman-Elect: Donald S. Farner Member-at-Large of the Section Committee: Dorothy M. Skinner Members of the Electorate Nominating Committee: Robert K. Josephson and Charlotte Preston Mangum

Section H—Anthropology

Chairman-Elect: James B. Watson Member-at-Large of the Section Committee: Catharine McClellan

Members of the Electorate Nominating Committee: Richard A. Gould and Douglas Osborne

Section J—Psychology

Chairwoman-Elect: Frances K. Graham

Member-at-Large of the Section Committee: Amado M. Padilla

Members of the Electorate Nominating Committee: Dorothy H. Eichorn and Wendell R. Garner

Section K—Social and Economic Sciences

Chairman-Elect: David L. Sills

Member-at-Large of the Section Committee: Wendell Bell

Members of the Electorate Nomi-SCIENCE, VOL. 198 nating Committee: Eliot Freidson and Harriet Zuckerman

Section L—History and Philosophy of Science

Chairman-Elect: Melvin Kranzberg Member-at-Large of the Section Committee: David L. Hull

Members of the Electorate Nominating Committee: William Coleman and John Murdoch

Section M—Engineering

Chairman-Elect: Daniel C. Drucker Member-at-Large of the Section Committee: Donald L. Katz

Members of the Electorate Nominating Committee: L. L. Palmer and Erman A. Pearson

Section N—Medical Sciences

Chairman-Elect: Theodore Cooper Member-at-Large of the Section Committee: Helen M. Ranney

Members of the Electorate Nominating Committee: Morton D. Bogdonoff and Carl W. Gottschalk

Section O-Agriculture

Chairman-Elect: W. Keith Kennedy Member-at-Large of the Section Committee: Steven C. King

Members of the Electorate Nominating Committee: Keith Huston and W. I. Thomas

Section P—Industrial Science

Chairman-Elect: Herbert I. Fusfeld Member-at-Large of the Section Committee: Lawrence M. Kushner

Members of the Electorate Nominating Committee: John D. Caplan and Dayton H. Clewell

Section Q-Education

Council Delegate: David H. Ost Chairman-Elect: Fletcher G. Watson Member-at-Large of the Section Committee: Rita W. Peterson

Members of the Electorate Nominating Committee: Jacob W. Blankenship and Joyce Swartney

Section R—Dentistry

Council Delegate: Robert James Fitzgerald

Chairman-Elect: Carl J. Witkop, Jr. Member-at-Large of the Section Committee: Andrew D. Dixon

Members of the Electorate Nominating Committee: Wallace D. Armstrong and Finn Brudevold

Section S—Pharmaceutical Sciences
Council Delegate: Sidney A. Rosenbluth

Chairman-Elect: Samuel Elkin Member-at-Large of the Section Committee: Leslie Z. Benet

Members of the Electorate Nominating Committee: Stanley A. Kaplan and Joseph P. LaRocca

Section T—Information, Computing, and Communication

Council Delegate: Robert S. Taylor Chairwoman-Elect: Mary E. Corning Member-at-Large of the Section Committee: Martha E. Williams

Members of the Electorate Nominating Committee: Manfred Kochen and Rita G. Lerner

Section U—Statistics

Council Delegate: Cuthbert Daniel Chairman-Elect: Richard L. Anderson Member-at-Large of the Section Committee: David C. Hoaglin

Members of the Electorate Nominating Committee: Stephen E. Fienberg and Paul W. Holland

Section W—Atmospheric and Hydrospheric Sciences

Council Delegate: Joshua Z. Holland Chairman-Elect: Eugene W. Bierly Member-at-Large of the Section Committee: R. E. Munn

Members of the Electorate Nominating Committee: Lester Machta and Margaret L. Mooney

Section X—General

Council Delegate: Herbert Scoville, Jr. Chairwoman-Elect: Ruth B. Pitt Member-at-Large of the Section Committee: Manfred D. Engelmann

Members of the Electorate Nominating Committee: Vernice Anderson and Rodney W. Nichols

Women Researchers Analyze Education, Job Barriers

"Some big monstrous barrier" faces women after "the first few steps of the ladder" of upward mobility in scientific research careers, according to National Academy of Sciences president Philip Handler, a keynote speaker at AAAS' October Conference on the Participation of Women in Scientific Research.

For 3½ days, the 60 women scientists invited to participate in the Conference struggled with that "monstrous barrier," analyzing their own experiences in the education-career battle that traditionally leaves women underrepresented and underpaid in the world of science.

With the Nation's Capital displaying a week of the most beautiful fall weather in recent memory, the women sequestered themselves in small rooms of the Hotel

Washington to dissect the issues: the early education biases that steer women away from science and math courses, the later problems of social rejection in graduate school, the pervasiveness of sexual pressures both in graduate school and on the job, inequities in distribution of funding, the need for professional recognition of part-time employment, the demands of marriage and family life, and many others.

In addition to small-group working sessions, the women attended panel presentations, during which speakers addressed such topics as industrial and government employment settings, the publication process, priority research issues on men and women, and the roles in science education of the National Sci-

ence Foundation (NSF) and the HEW Office of Education. One general session featured Margaret Mead, who presented her views on biocultural determinants of scientists' careers and various aspects of women's participation in the natural and social sciences.

To close the Conference, the participants, first in small groups and later as a whole, identified a number of policy and program recommendations. Among these was the problem of girls' inferior academic preparation for college science due to sex-stereotyped socialization patterns. The conferees recommended removal of barriers to girls' studying mechanical and electronic "shop" courses, for example; encouragement of girls' interest in mathematics and science; and unbiased career and curriculum counseling by teachers and guidance personnel. They endorsed programs, such as science fairs, which stimulate girls' interest in science at an early age.

A second major concern reflected in the preliminary recommendations is the dilemma which many beginning scien-