

Report on Science and the Media Available

A collection of annotated bibliographies describing mass media science programs and publications, as well as research in the field of science communication, is now available. The report covers the science programming of local and network radio and television, science in general circulation magazines and newspapers, and specialty science publications.

Science, The Media, and The Public: Selected Annotated Bibliographies was compiled by Carol L. Rogers, head, AAAS Office of Communications and Membership, and Sharon Dunwoody, assistant professor, School of Journalism and Mass Communication, University of Wisconsin, Madison.

For a free copy, write the Office of Communications at the AAAS address.

returns to a black college to teach. Here, he or she gains the respect of other black scientists by putting an emphasis on the teaching of science. But, situated at a (traditionally) small school with a heavy class load, the young scientist often finds that this route does not lead to research funds, graduate students, the time to do research and publish, or to recognition within the majority scientific community.

Seminar participants discussed the historic, and to some extent continuing, reluctance of major universities to employ as science faculty even their own black graduates, the need for black faculty at majority and minority institutions, and the insufficient numbers of persons qualified to meet these needs. At majority institutions black faculty members serve to reduce the sense of isolation felt by minority students and to dispel some of the misconceptions and prejudices held by white students and colleagues. Their presence in this respect is an important tool in the effort to remove attitudinal barriers to equal opportunity.

The panelists and other seminar participants suggested a range of goals and strategies for improving the access of black Americans to science. Among them are: (i) improved communication among faculty at minority and majority institutions to increase the flow of black college graduates to and through graduate programs in the sciences; (ii) increased awareness among black scientists of the political aspects of science careers and of the professional alternatives and consequences of various deci-

sions in professional life; and (iii) strengthening of the associations and caucuses which are concerned with access of minorities to science.

In the discussion of characteristics of various kinds of organizations (for example, associations of minority scientists), Gloria Gilmer, National Institute of Education, proposed a kind of organizational mentorship where an established scientific society would foster the development of a younger minority association which has similar goals and interests. At some point the minority association should either become sufficiently strong and independent to function without the mentor or cease to be necessary due to attainment of equity in science.

James M. Jay, professor of biology at Wayne State University in Detroit, began the series with an overview of black Ph.D.'s in the natural sciences. Jay, who authored *Negroes in Science: Natural Science Doctorates 1876-1969* (Balamp, Detroit, 1971), maintains a file identifying over 1600 black Americans who have received Ph.D.'s in the natural sciences.

The second seminar featured Henry N. Williams and Shirley Malcom discussing "Black Americans in the Biological Sciences." Williams, a 1981 AAAS-American Society for Microbiology Congressional Science and Engineering Fellow, is currently teaching and conducting research at the University of Maryland. Malcom, an ecologist who heads the AAAS Office of Opportunities in Science, has experience in teaching, research, federal grants administration, and advocacy for groups underrepresented in science, as well as in program management.

The program on "Black Americans in the Behavioral and Social Sciences" featured Margaret C. Simms, senior research associate and director of the Minority and Social Policy Program at the Urban Institute, and Doris Wilkinson, professor of medical sociology at Howard University. Wilkinson, who was for

3 years executive associate for Careers, Minorities, and Women at the American Sociological Association, is president-elect of the Washington, D.C., Sociological Society. Simms is past president of the National Economic Association.

Gloria Gilmer, an associate on the Mathematics Learning Team of the National Institute of Education, and Samuel Massie, professor, Department of Chemistry, U.S. Naval Academy, addressed the topic of "Black Americans in the Mathematical and Physical Sciences." Gilmer, formerly a member of the Board of Governors of the Mathematical Association of America and past director of its blacks and mathematics program, is administering federal research grants and conducting research into the teaching and learning of mathematics, especially among black youth. Massie, who received his baccalaureate degree in chemistry at the age of 18, is a former college president and chair of several university chemistry departments.

As the series ended, participants were reminded that in scientific research success is not always reaching one's goals. It is more often in understanding what has occurred and going from there.

PAULA QUICK HALL
Office of Opportunities in Science

SWARM Annual Meeting to Highlight Science Education

The 58th annual meeting of the Southwestern and Rocky Mountain Division (SWARM) of the AAAS will focus on topics of particular interest to the region, as well as national scientific issues. SWARM will meet on the campus of the University of Texas at El Paso, 28 April through 1 May 1982.

The meeting's theme of "Excellence in Science Education" will be addressed at the opening session by AAAS chief education officer F. James Rutherford. Discussions of innovative approaches to science education will include the "Saturday Programs" of the New Mexico Academy of Science, and "Science Bazaar" programs.

Several of the meeting's sessions will center on the special concerns of the SWARM area states. These will include symposia on desert ecosystems, the role of research in the management of our national parks, and research priorities for the Chihuahuah Desert. The John Wesley Powell Memorial Lecture will feature Harvey Banks, project director

For more information about the activities and publications described in "AAAS News," write to the appropriate office, AAAS, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036, unless otherwise indicated.

of the High Plains Ogallala Aquifer Study.

Translation services for the meeting will be provided by the University of Texas at El Paso. Mexican scientists, especially from nearby Chihuahua and Sonora, are encouraged to attend.

In addition to a program of short courses (see *Science*, 1 January 1982, p. 50), shopping and historical tours of the area will be available.

For more information and registration materials, write M. Michelle Balcomb, SWARM/AAAS, Colorado Mountain College, 3000 County Road 114, Glenwood Springs, Colorado 81601.

Grants to Self-Sponsored Graduate Students to Attend R&D Colloquium

AAAS expects a limited number of grants of up to \$250 to be available to assist self-sponsored foreign graduate students studying the United States to attend the Seventh Annual AAAS Colloquium on R&D and Public Policy in Washington, D.C., 23 and 24 June 1982 (see *Science*, 23 April 1982, for more details). Registration for successful applicants will be paid by AAAS.

Applicants should submit: (i) curriculum vitae, including telephone number; (ii) budget (round trip to Washington and living expenses); and (iii) a short statement (250 to 300 words) describing the focus of current research, career plans, how training is expected to be applied on return to home country, and interest in attending the R&D Colloquium. Material should be sent to Denise Weiner, Office of International Science, at the AAAS address. *Deadline for receipt of applications is 7 May 1982.*

Major Scientific Meetings in 1982

The following is a listing of major meetings of the AAAS, some of its affiliated scientific societies, and other key scientific organizations. The list will be updated quarterly. Affiliated societies are invited to send announcements of their major national and international meetings to the Office of Communications at the AAAS address.

March

28-2 April. American Chemical Society, Las Vegas

2 APRIL 1982

April

1-3. American Association of Physical Anthropologists, Eugene, Oregon
15-23. Federation of American Societies for Experimental Biology, New Orleans
19-21. Operations Research Society of America, Detroit
19-22. American College of Physicians, Philadelphia
20-23. Institute of Environmental Sciences, Atlanta
25-28. Association of American Geographers, San Antonio
25-28. National Academy of Sciences, Washington, D.C.
26-29. American Physical Society, Washington, D.C.
26-30. Acoustical Society of America, Chicago
28-1 May. AAAS Southwestern and Rocky Mountain Division, El Paso

May

3-5. American Society for Quality Control, Detroit
5-8. Society for Technical Communication, Boston
15-21. American Psychiatric Association, Toronto
18-21. American Institute of Industrial Engineers, New Orleans
25-27. American Institute of Aeronautics and Astronautics, Baltimore
31-4 June. American Geophysical Union and Geochemical Society, Philadelphia

June

6-11. American Nuclear Society, Los Angeles
13-17. American Medical Association, Chicago
13-19. American Society of Plant Physiologists, Urbana-Champaign, Illinois
20-23. Institute of Food Technologists, Las Vegas
20-24. American Society for Engineering Education, College Station, Texas
20-25. AAAS Pacific Division, Santa Barbara
23-24. AAAS Colloquium on R&D and Public Policy, Washington, D.C.
27-30. American Society of Agricultural Engineers, Madison, Wisconsin
28-30. National Education Computing Conference, Kansas City, Missouri
28-1 July. American Astronomical Society, Calgary, Alberta

July

1. American Geological Institute with American Association of Petroleum Geologists, Calgary, Alberta
18-22. Society for Industrial and Applied Mathematics, Stanford, California

August

7-11. American Society of Animal Science, Guelph, Ontario
8-13. American Institute of Biological Sciences and Ecological Society of America, University Park, Pennsylvania
8-13. American Society of Horticultural Science, Ames, Iowa
16-19. American Statistical Association, Cincinnati

16-20. American Association for Artificial Intelligence, Pittsburgh
23-27. American Mathematical Society, Toronto
23-27. American Psychological Association, Washington, D.C.

September

2-5. American Political Science Association, Denver
6-10. American Sociological Association, San Francisco
12-17. American Chemical Society, Kansas City, Missouri
16-18. AAAS Alaska Division, Fairbanks
19-22. American Association of Diabetes Educators, San Antonio
20-22. Oceans '82, Washington, D.C.
29-2 Oct. American Society of Human Genetics, Detroit

October

10-15. American Physiological Society, San Diego
14-16. American Physical Society, Amherst, Massachusetts
14-17. Society for the History of Technology, Philadelphia
17-21. Society of Exploration Geophysicists, Dallas
17-22. American Dietetic Association, San Antonio
18-21. Geological Society of America, American Geological Institute, and Geochemical Society, New Orleans
18-22. Optical Society of America, Tucson
20-21. National Academy of Engineering, Washington, D.C.
22-25. Sigma Xi, The Scientific Research Society, Dallas
24-27. American Astronautical Society, Houston
24-28. American Association of Cereal Chemists, San Antonio
27-30. History of Science Society, Philadelphia
28-31. Society for Social Studies of Science, Philadelphia

November

2-5. Geological Society of America, Cincinnati
3-5. Institute of Medicine, Washington, D.C.
14-18. American Institute of Chemical Engineers, Los Angeles
14-18. American Public Health Association, Montreal
14-19. American Society of Mechanical Engineers, Phoenix
16-19. American Institute of Industrial Engineers, Cincinnati
16-22. Institute of Electrical and Electronics Engineers, New Orleans
28-3 Dec. American Society of Agronomy, Anaheim, California

December

4-7. American Anthropological Association, Washington, D.C.
6-10. CHEMRAWN II, Manila, Philippines
6-10. American Geophysical Union, San Francisco
14-17. American Society of Agricultural Engineers, Chicago
28-30. American Economic Association, New York