



AAAS NEWS AND NOTES

edited by Coimbra Sirica

SCIENCE POLICY

Swiss Fellowship Program Follows Lead of AAAS

As the new science attaché to the Embassy of Switzerland in 1998, it was Johannes Kaufmann's job to visit federal agencies and congressional offices throughout the U.S. capital. No matter where he went to introduce himself, he met young scientists—either current or former AAAS science policy fellows—working as advisors to the people who make the decisions affecting science policy in the United States.

"It looked like a win-win situation," said Kaufmann. "The government gets scientific advice very cheap, and the network of fellows in all the agencies helps the government find sensible solutions to scientific problems."

In 2001, starting with two postgraduate scientists, Switzerland plans to launch a fellowship program in the Swiss parliament, based on the AAAS's Congressional Fellows Program. This will be the first time the 27-year-old AAAS program will serve as a model for a similar effort abroad.

Margrit Leuthold, Secretary General of the Swiss Academy of Medicine, describes Kaufmann's enthusiasm for the AAAS program as infectious.

"He was thrilled about the benefits for science and for the parliament," said Leuthold, who will be in charge of the new program. The Swiss Academy of Science, the umbrella group for the nation's four scientific societies, voted to proceed with the Kaufmann's proposal, and the parliament's chief administrative officer concurred with the plan this fall.

To explain the support for the program among Swiss scientists, both Leuthold and Kaufmann cite a June 1998 referendum that asked the people of Switzerland to support or reject legislation that would have prohibited any form of genetic engineering.

The referendum failed, but the experi-

ence made it clear that scientists could play a much needed role in increasing the public understanding of complex concepts. Misunderstandings "on both sides of the issue" had hindered communication, Leuthold says, adding that the process demonstrated that both scientists and politicians had more to learn about each other's worlds.

In Washington, there are now about 125 scientists and engineers participating in nine 2000–01 AAAS programs. (For information see www.fellowships.aaas.org.)

The first program—for Congressional Fellows—was launched in 1973 with a group of seven fellows. It now has 39.



AAAS provides an umbrella program for all the Congressional Fellows, two of whom are selected and funded by AAAS and the remainder, by about 30 other national scientific and engineering societies. Eight additional AAAS science and technology policy fellowship programs, which were modeled on the Congressional Fellows Program, send fellows to serve a dozen federal

agencies in Washington, DC.

Program director Claudia Sturges says she and her AAAS colleagues "take some pride" in watching the Swiss launch their own fellowship program.

"There really are no losers," Sturges said. "It's good for the fellows; it's good for the federal government; and it's good for science overall. The point of all this is to bring good science to government decision-making."

Swiss Officials Visit U.S.

To help the Swiss policy-makers and scientific leaders decide on whether a fellows program would be viable in their country, AAAS twice invited representatives of the science and political establishment to visit

Washington and to meet with AAAS officials, legislators, and former and current fellows.

By the time the second meeting occurred on 10 April 2000, the Swiss were interested enough to send a delegation to Washington that included Johannes Randegger, chairman of the Science, Education and Culture Committee of the Swiss National Council, and Leuthold, who had volunteered to head up the new program if AAAS could help the Swiss representatives address some of their concerns.

For example, Sturges says, "They were worried about ethical issues. They wanted to make sure the fellows would not be brought from a corporate environment to carry water for their former employers."

The AAAS staff made appointments for Randegger, Leuthold, and Kaufmann to meet with staff on the Senate Ethics Committee, who told the Swiss that the fellows were held in high regard.

"They learned that the fellows are considered free agents, that they are not there to represent their employers or even the association that sponsors them," Sturges said.

The visitors met also with current and former fellows, as well as with a legislative staff director who had worked with many fellows, and with U.S. Representative Vern Ehlers (R-MI), who was at the time the only physicist in Congress. AAAS officials, including Executive Officer Richard Nicholson, provided the institutional perspective, as well as details of how a fellowship program might be administered.

Skilled in Science and Communication

Leuthold says she came away with a sense of the sort of scientist most likely to do a good job in a political setting: "They need to have a high level of social competence and broad interests and understanding of the social impact of science. They must also be able to explain complex concepts in simple terms, and they need to be good scientists so they will have the respect of their colleagues and can bring the best people together."

To launch the fellowship program in Switzerland, its advocates need only to work out logistics with the heads of the parliament's administrative staff, which is being done in monthly meetings. Funding for the program is being discussed with a foundation and looks "very promising," Kaufmann said.

FELLOWS

AAAS Members Elected as Fellows

In September the AAAS Council elected 251 members as Fellows of AAAS. These individuals will be recognized for their contributions to science at the Fellows Forum to be held on 17 February 2001 during the AAAS Annual Meeting in San Francisco. The new Fellows will receive a certificate and a blue and gold rosette pin as a symbol of their distinguished accomplishments. Presented by section affiliation, they are:

Agriculture, Food, and Renewable Resources

Vivien Gore Allen, Texas Tech Univ. • Leonard S. Bull, North Carolina State Univ. • Rufus L. Chaney, USDA-ARS, Beltsville, MD • Noelle E. Cockett, Utah State Univ. • David W. Dibb, Potash and Phosphate Institute, Norcross, GA • Joan G. Ehrenfeld, Rutgers Univ. • Paul Gepts, Univ. of California, Davis • Kriton K. Hatzios, Virginia Polytechnic Institute and State Univ. • James W. Lauderdale, Augusta, MI • Peggy G. Lemaux, Univ. of California, Berkeley • David R. Lineback, Univ. of Maryland, College Park • Josef Nösberger, Swiss Federal Institute of Technology, Zurich • Per Pinstrup-Andersen, International Food Policy Research Institute, Washington, DC

Anthropology

Leslie Crum Aiello, Univ. College London • Dean Falk, State Univ. of New York, Albany • Robert W. Sussman, Washington Univ. • Tim D. White, Univ. of California, Berkeley • Melinda A. Zeder, National Museum of Natural History

Astronomy

David Arnett, Univ. of Arizona • Alan P. Boss, Carnegie Institution of Washington • Benjamin Bova, Naples, FL • James B. Breckinridge, National Science Foundation • J. Mayo Greenberg, Univ. of Leiden • Michael G. Hauser, Space Telescope Science Institute, Baltimore • Martha P. Haynes, Cornell Univ. • Bambang Hidayat, Bosscha Observatory, Java, Indonesia • Robert P. Kirshner, Harvard Univ.

Atmospheric and Hydrospheric Sciences

Francis P. Bretherton, Univ. of Wisconsin, Madison • Donald R. Johnson, Univ. of Wisconsin, Madison • James W. Murray Jr., Univ. of Washington • Akkihebbal R. Ravishankara, NOAA, Boulder • Peter H.

Stone, Massachusetts Institute of Technology

Biological Sciences

Giorgio Bernardi, Stazione Zoologica Anton Dohrn, Naples, Italy • Elizabeth H. Blackburn, Univ. of California, San Francisco • P. Dee Boersma, Univ. of Washington • R. Terry Bowyer, Univ. of Alaska, Fairbanks • Barbara D. Boyan, Univ. of Texas Health Science Center, San Antonio • Susan V. Bryant, Univ. of California, Irvine • James R. Carey, Univ. of California, Davis • F. Stuart Chapin III, Univ. of Alaska, Fairbanks • Rex L. Chisholm, Northwestern Univ. • Rossiter Henry Crozier, James Cook Univ., Queensland, Australia • Michael A. Cusanovich, Univ. of Arizona • Michael E. Dahmus, Univ. of California, Davis • Jared M. Diamond, Univ. of California, Los Angeles • Norman C. Ellstrand, Univ. of California, Riverside • Doina Ganea, Rutgers Univ. • Robert B. Gennis, Univ. of Illinois, Urbana • David S. Hinds, California State Univ., Bakersfield • Brigid L. M. Hogan, Vanderbilt Univ. Medical Center • Kathryn Block Horwitz, Univ. of Colorado Health Sciences Center, Denver • Edward D. Houde, Chesapeake Biological Lab., Univ. of Maryland, Solomons • Masao Ikeda-Saito, Case Western Reserve Univ. • François Jacob, Pasteur Institute, Paris • Stephen J. Kennel, Oak Ridge National Lab. • Cletus P. Kurtzman, National Center for Agricultural Research, USDA-ARS, Peoria, IL • Seppo Tapio Lakovaara, Univ. of Oulu, Finland • Jeffrey S. Levinton, State Univ. of New York, Stony Brook • Andrew Paul McMahon, Harvard Univ. • Alfred H. Merrill Jr., Emory Univ. • Randall Todd Moon, Univ. of Washington • M. Patricia Morse, Univ. of Washington • Tomoko Ohta, National Institute of Genetics, Misima, Japan • Norihiro Okada, Tokyo Institute of Technology, Yokohama • Marcelino Perez de la Vega, Univ. of Leon, Spain • Roy E. Ritzmann, Case Western Reserve Univ. • Kenneth A. Rose, Louisiana State Univ. • Janet Rossant, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto • Irving Rothchild, Cleveland Heights, OH • Lucia B. Rothman-Denes, Univ. of Chicago • Catherine A. Royer, Centre de Biochimie Structurale, Montpellier, France • Anssi Saura, Umea Univ., Sweden • Carl W. Schmid, Univ. of California, Davis • Irwin H. Segel, Univ. of California, Davis • Barbara S. Shane, Louisiana State Univ. • Zhifeng Shao, Univ. of Virginia • Kamal Shukla, National Science Foundation • Patricia G. Spear, Northwestern Univ. • Akiko Spindle, Univ. of California, San Francisco • Stephen R. Sprang, Univ. of Texas Southwestern Medical Center • Linda L. Spemulli, Univ. of North Caroli-

na, Chapel Hill • Jack A. Stanford, Flathead Lake Biological Station, Univ. of Montana, Polson • George R. Stark, Cleveland Clinic Foundation • Cynthia Vianne Stauffacher, Purdue Univ. • Mark Stoneking, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany • Thomas C. Terwilliger, Los Alamos National Lab. • Thomas C. Vanaman, Univ. of Kentucky • John L. VandeBerg, Southwest Foundation for Biomedical Research, San Antonio • Gerhard Wagner, Harvard Medical School • Peter G. Wells, Environment Canada, Dartmouth, Nova Scotia • Cheng-Wen Wu, National Health Research Institutes, Taipei, Taiwan • Elizabeth Anne Zimmer, Smithsonian NMNH Lab. of Molecular Systematics, Suitland, MD

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lege • Kathryn D. Sullivan, COSI Columbus, Columbus, OH • Patricia Wang-Iverson, Research for Better Schools, Philadelphia

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