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12-18-1992

### Funding History of Science

Pamela Clapp

Long Term Ecological Research

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MARINE BIOLOGICAL LABORATORY

WOODS HOLE • MASSACHUSETTS • 02543 • (508) 548-3705

SCIENCE WRITING  
FELLOWSHIPS PROGRAM

December 18, 1992

Dr. Jerry Franklin  
LTER Network Office  
University of Washington, AR-10  
College of Forest Resources  
Seattle, WA 98195

Dear Dr. Franklin:

On behalf of Dr. Byron Waksman and the Advisory Committee of the Science Writing Fellowships Program, I would like to thank you and the LTER for your support of our program. As you can see from the enclosed report, 1992 was another banner year for the program.

I hope that we will be able to count on your support again in 1993. Dr. Hobbie or Dr. Waksman will be in touch with you shortly about the 1993 program. In the meantime, we thank you again for your generosity and wish you a very happy holiday season.

Sincerely yours,

Pamela Clapp  
Administrative Director

enc.

cc: development, Dr. John Hobbie



SCIENCE WRITING  
FELLOWSHIPS PROGRAM

# MARINE BIOLOGICAL LABORATORY

WOODS HOLE • MASSACHUSETTS • 02543 • (508) 548-3705

## ***Funding History of the Science Writing Fellowships Program 1986 to 1992***

### ***—Foundations—***

Alfred P. Sloan Foundation  
Edna McConnell Clark Foundation  
The Friendship Fund

Carnegie Corporation of New York  
Foundation for Microbiology

**Total: \$215,760**

### ***—Professional Societies—***

American Academy of Neurology  
American Association of Pathologists  
American Society for Neurochemistry  
Long-Term Ecological Research (LTER)

American Association of Immunologists  
American Society for Cell Biology  
Biophysical Society  
Society of General Physiologists

**Total: \$40,241**

### ***—Journalism Foundations/Companies—***

New York Times Foundation

Washington Post Company

**Total: \$27,500**

### ***—Corporate Foundations—***

Merck & Co.

**Total: \$15,000**

**GRAND TOTAL 1986 to 1992: \$298,501**

### ***—Gifts Received or Pledged for 1993—***

Alfred P. Sloan Foundation  
Sandoz  
Charles A. Dana Foundation

Foundation for Microbiology  
Washington Post Company  
The Friendship Fund

**TOTAL: \$38,000**



SCIENCE WRITING  
FELLOWSHIPS PROGRAM

# MARINE BIOLOGICAL LABORATORY

WOODS HOLE • MASSACHUSETTS • 02543 • (508) 548-3705

## ***MBL Science Writing Fellows***

### **1986**

B. D. Colen, *Newsday*  
Philip J. Hilts, *The New York Times*  
Debora MacKenzie, *New Scientist*  
Julie Ann Miller, *BioScience*  
Paul Raeburn, Associated Press  
Jonathan Wiener, Freelance

### **1987**

Sharon Begley, *Newsweek*  
Stephen Doig, *The Miami Herald*  
Edward Edelson, *New York Daily News*  
Peggy Girshman, National Public Radio  
Elizabeth Pennisi, *Science News*  
Boyce Rensberger, *The Washington Post*  
Robert Stein, United Press International  
Wendy Williams, Freelance  
Gayle Young, United Press International

### **1988**

Ivan Amato, *Science*  
Margo Crabtree, Scholastic, Inc.  
Frederic Golden, Freelance  
Robert Kanigel, Freelance  
Eric Keller, *Smithsonian*  
Mary Knudson, *Baltimore Sun*  
Warren Kornberg, *Mosaic*  
Chris Anne Raymond, *Chronicle of Higher Education*

### **1989**

Margaret DiCanio, Freelance  
Mark Jaffe, *Philadelphia Inquirer*  
Wallace Kaufman, Freelance  
Larry Katzenstein, *Consumer Reports*  
Susan Okie, *The Washington Post*

### **1990**

Rex Dalton, *San Diego Union*  
Robin Henig, Freelance  
Bruce Jacobs, Freelance  
Bill Krasean, *Kalamazoo Gazette*  
June Kinoshita, Freelance  
Keming Kuo, Voice of America  
Beth Livermore, Freelance  
Michael Skoler, National Public Radio  
Bill Snyder, *Nashville Banner*  
Pamela Weintraub, *Omni*  
Rick Weiss, *Health* magazine

### 1991

Pamela Adkins, Merck & Co.  
Sandra Ackerman, Freelance  
David Baron, WBUR-FM, Boston, MA  
Sandra Blakeslee, Freelance  
David Bulloch, Freelance  
Doron Dagani, *Chemical & Engineering News*  
Blake Edgar, *Pacific Discovery*  
Nancy Ehrlich, *Scientific American Medicine*  
Lew Frederick, KGW-TV, Portland, OR  
Rebecca Kolberg, United Press International  
Susan Laughlin, Chedd-Angier Production Co.  
David Schwartz, Freelance

### 1992

Stephen Braun, Freelance  
Robert Cooke, *Newsday*  
Elizabeth Culotta, Freelance  
Heather Dewar, *The Miami Herald*  
Donald Frederick, National Geographic Society News Service  
David Graham, *San Diego Union-Tribune*  
Jeff Hecht, *New Scientist*  
Rebecca Perl, *Atlanta Journal-Constitution*  
John Schieszer, KPLR-TV, St. Louis, MO  
Cindy Schreuder, *Chicago Tribune*  
Joannie Schrof, *U.S. News & World Report*

### Staff

Byron H. Waksman, Program Director  
Robert D. Goldman, Northwestern University, Co-Director  
Boyce Rensberger, *The Washington Post*, Co-Director  
Pamela L. Clapp, Marine Biological Laboratory, Administrative Director

### Advisory Committee

Natalie Angier, *The New York Times*  
Lew Frederick, KGW-TV, Portland, OR  
Peggy Girshman, National Public Radio  
Max Gomez, WNBC-TV, New York  
Howard Hiatt, Brigham & Women's Hospital  
Millie Hughes-Fulford, University of California, San Francisco  
Bill Kovach, Nieman Foundation, Harvard University, chair  
Victor McElheny, Knight Science Journalism Program, MIT  
Thomas Pollard, Johns Hopkins University  
Paul Raeburn, Associated Press  
Joan Ruderman, Harvard University School of Medicine



MARINE BIOLOGICAL LABORATORY

WOODS HOLE · MASSACHUSETTS · 02543 · (508) 548-3705

Dr John Hobbie  
Ecosystems Center  
Marine Biological Laboratory  
Woods Hole, MA 02543

January 3, 1992

Dear John:

I enclose the packet of materials we spoke of. I appreciate your willingness to approach the Ecological Society of America (and possibly the Society of Limnology and Oceanography?) about a small subvention, on the order of \$1-3000 annually for 2 or 3 years, for support of the Science Writing Fellowships Program at the MBL.

I am sure there will be one or several applicants to the program each year interested in environmental and ecological research. Since you had a positive experience with David Baron, I hope you will wish to continue placing one or more fellows each year in appropriate programs of the Center.

With best regards and good wishes for 1992,

Sincerely

*Byron*

Byron H. Waksman, M.D.

Reply to:  
300 East 54th St.  
New York, NY 10022  
Tel. (212) 759-8729

Byron H. Waksman, M.D.  
Harvard University (Neurology)  
NYU Medical Center (Pathology)



SCIENCE WRITING  
FELLOWSHIP PROGRAM

# MARINE BIOLOGICAL LABORATORY

WOODS HOLE • MASSACHUSETTS • 02543 • (617) 548-3705

## 1992 BUDGET for ONE FELLOW\*

Travel (one round trip within U.S.)	\$600
Housing and board (MBL charge for single room and board will be \$325/week in 1992)	1300
Stipend (allowance for incidental expenses @ \$100/week)	400
Tuition (for 6-day intensive laboratory)	\$1000
Laboratory rental	170
Supplies and equipment (for 6-day laboratory)	400
Allowance for laboratory materials used in courses/labs (@ \$100/week)	300
Books and library services	200
Photocopying	100
Total....	<hr/> \$4470**

\* Assumes total stay in Woods Hole of 4 weeks.

\*\* Other costs not included in above (administrative personnel, promotion, indirect costs) total \$3200.

**MBL Science Writing Fellows\***

**1986**

B. D. Colen, *Newsday*  
Philip J. Hilts, *The New York Times*  
Debora MacKenzie, *New Scientist*  
Julie Ann Miller, *BioScience*  
Paul Raeburn, *Associated Press*  
Jonathan Wiener, *Freelance*

**1987**

Sharon Begley, *Newsweek*  
Stephen Doig, *The Miami Herald*  
Edward Edelson, *New York Daily News*  
Peggy Girshman, *Monitor TV*  
Elizabeth Pennisi, *The Scientist*  
Boyce Rensberger, *The Washington Post*  
Robert Stein, *United Press International*  
Wendy Williams, *Freelance*  
Gayle Young, *United Press International*

**1988**

Ivan Amato, *Freelance*  
Margo Crabtree, *Scholastic, Inc.*  
Frederic Golden, *Freelance*  
Robert Kanigel, *Freelance*  
Eric Keller, *Smithsonian*  
Mary Knudson, *Baltimore Sun*  
Warren Kornberg, *Mosaic*  
Chris Anne Raymond, *Chronicle of Higher Education*

**1989**

Margaret DiCanio, *Freelance*  
Mark Jaffe, *Philadelphia Inquirer*  
Wallace Kaufman, *Freelance*  
Larry Katzenstein, *Consumer Reports*  
Susan Okie, *The Washington Post*

**1990**

Robin Henig, *Freelance*  
Bruce Jacobs, *Freelance*  
Bill Krasean\*\*, *Kalamazoo Gazette*  
June Kinoshita, *Freelance*  
Keming Kuo, *Voice of America*  
Beth Livermore, *Freelance*  
Michael Skoler, *National Public Radio*  
Bill Snyder\*\*, *Nashville Banner*  
Pamela Weintraub, *Omni*  
Rick Weiss, *Science News*

**1991**

Pamela Adkins\*\*, *Merck & Co.*  
Sandra Ackerman, *Freelance*  
David Baron, *WBUR-FM, Boston, MA*  
Sandra Blakeslee, *Freelance*  
David Bulloch\*\*, *Freelance*  
Doron Dagani\*\*, *Chemical & Engineering News*  
Blake Edgar, *Pacific Discovery*  
Nancy Ehrlich\*\*, *Scientific American Medicine*  
Lew Frederick, *KGW-TV, Portland, OR*



Rebecca Kolberg, United Press International  
Susan Laughlin\*\*, Chedd-Angier Production Co.  
David Schwartz, Freelance

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**Staff**

Byron H. Waksman, Program Director  
Robert D. Goldman, Northwestern University, Co-Director  
Boyce Rensberger, *The Washington Post*, Co-Director  
Pamela L. Clapp, Marine Biological Laboratory, Administrative Director

\*=Fellows' current known affiliations are listed.

\*\*=Students in Hands-On Laboratory.

*Funding of Fellowship Program (1986 to 1990):*

Carnegie Corporation of New York	\$100,140
Alfred P. Sloan Foundation	36,000
Foundation for Microbiology	19,120
American Society for Cell Biology	7,700
American Association of Immunologists	5,000
Merck & Co.	5,000
American Academy of Neurology	2,000
American Society for Neurochemistry	1,000
<b>TOTAL:</b>	<b>\$175,960</b>

*Pledged for 1991:*

Carnegie Corporation of New York	\$25,000
Alfred P. Sloan Foundation	\$10,000
New York Times Foundation	\$10,000
Foundation for Microbiology	\$ 5,000
American Society for Cell Biology	\$ 5,000
Merck & Co. Foundation	\$ 5,000
<b>TOTAL:</b>	<b>\$60,000</b>

*Pledged for 1992 and 1993:*

Alfred P. Sloan Foundation	\$20,000
Foundation for Microbiology	\$10,000
Clark Foundation	\$ 5,000



## The Marine Biological Laboratory Science Writing Fellowships Program

### Science Writing Fellowships Program

Marine Biological Laboratory  
Woods Hole, Massachusetts 02543  
(508) 548-3705 ext. 428  
FAX: 508-540-6902

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*The MBL Science Writing Fellowships offer summer residencies of up to eight weeks in a program designed to increase public understanding of biology and biomedicine.*

#### Purposes:

The Science Writing Fellowships Program provides Fellows with an opportunity to observe and participate in the process of science by working closely with investigators carrying out research and with graduate students learning the latest research methods. The interaction between science writers and scientists is seen as a two-way street in which the writers gain a deeper familiarity with details of the science, and the scientists come to understand the influences and constraints that shape the way science is reported to the public.

#### Activities and Opportunities:

1. **THE HANDS-ON LABORATORY** is an intensive six-day course to introduce fellows to some of the research techniques of cell biology, molecular biology, and neurobiology used throughout basic biomedical science. Topics covered include culturing cells, light and electron microscopy, gel electrophoresis, immunoblotting, immunofluorescence staining, and cloning and sequencing genes. Ideally, all Fellows will begin their fellowship with this course—which is offered only once, from Sunday, June 7 to Friday, June 12 — and then may move on to one of the options below.

*This laboratory course is open to applicants who are not free to carry out a full fellowship program. Those accepted for the lab course are reimbursed for their travel to and from Woods Hole, and will be housed in the MBL Conference Center. Journalists interested in this component of the program must also complete the attached application.*

2. **MBL COURSES AND LABS:** Fellows are encouraged to spend three to seven additional weeks in Woods Hole in one of three formats. Some may choose to devote full time to one of the courses the MBL offers for graduate students and more advanced scientists in parasitology, embryology, marine ecology, neurobiology, or physiology. (Shorter courses covering a variety of topics are also offered by the MBL during the summer. Please consult the enclosed *Annual Bulletin* for descriptions of all courses.) Some may prefer to be assigned to the laboratory of a scientist working on a current research project. And some may prefer to divide their time between a course and a working laboratory. Opportunities are also available for journalists in the MBL's Ecosys-

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tems Center (see description in the *Annual Bulletin*). Journalists interested in working with Ecosystems scientists, either in Woods Hole or Alaska, should so indicate in section "11 c" of the attached application.

MBL courses are intended for advanced graduate students and postdocs who are prepared to put in long days. Typical schedules begin at 8:30 a.m. and end late in the evening, six days a week. There are some lectures, but most time is spent in the laboratory.

3. **SEMINAR SERIES:** Fellows who will be in residence at the MBL for at least four weeks will participate in a weekly seminar series. Each Fellow will speak on a topic (to be determined) relevant to science journalism (either print or broadcast).

**Eligibility:**

A limited number of fellowships are available for the summer of 1992. Applicants must be professional science writers with at least two years experience. Preference will be given to print or broadcast journalists with staff positions, although freelancers will be considered. A basic knowledge of biological principles and methods will be advantageous, but is not essential. Because the purpose of the program is to offer a novel experience, however, applicants with advanced degrees in biology or extensive laboratory training are not encouraged. Staff seniority is also not a criterion. Applications from minority group members and women are strongly encouraged.

**Program Staff:**

Program Director: Dr. Byron Waksman, visiting scientist, Harvard University and New York University; Associate Directors: Dr. Robert Goldman, chairman, Departments of Cell, Molecular, and Structural Biology, Northwestern University ("Hands-On" Laboratory Course director), and Mr. Boyce Rensberger, science editor, *The Washington Post*; Administrative Director: Ms. Pamela Clapp, managing editor, *The Biological Bulletin*, Marine Biological Laboratory.

**Support:**

Financial support for all Fellows (one, four, or eight weeks) includes the cost of the laboratory course, tuition, housing (for both unaccompanied Fellows and those accompanied by their families), transportation to and from Woods Hole (for the Fellow only), and library fees.

**Selection Schedule:**

Applications are to be submitted (six copies) and postmarked no later than March 2, 1992. The applications will be reviewed by the MBL Science Writing Fellowships Program Selection Committee, which is composed of MBL staff and senior members of the science writing community. Notification of selection will be made in early April.

I am applying for the laboratory course ONLY.

     I am applying for a      4-wk;      8-wk fellowship.

# APPLICATION

## Science Writing Fellowships Program

Marine Biological Laboratory  
Woods Hole, MA 02543  
(508) 548-3705 ext. 428  
FAX: 508-540-6902

*Applications must be postmarked no later than March 2, 1992*

1. Name \_\_\_\_\_ Social Security # \_\_\_\_\_

2. Marital Status \_\_\_\_\_ No. of Children/Ages \_\_\_\_\_  
*(to be completed by applicants who would be accompanied by their families)*

3. Present Position \_\_\_\_\_

4. Business Address \_\_\_\_\_

\_\_\_\_\_ Telephone \_\_\_\_\_  
FAX # \_\_\_\_\_

5. Home Address \_\_\_\_\_

\_\_\_\_\_ Telephone \_\_\_\_\_  
FAX # \_\_\_\_\_

6. Education (name, location, major, year)

Secondary \_\_\_\_\_

Undergraduate \_\_\_\_\_

Graduate \_\_\_\_\_

7. Employment (beginning with present position)

Organization	Dates	Position	Immediate Supervisor
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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Major Publications, Fellowships, or Awards

\_\_\_\_\_

\_\_\_\_\_

9. I plan to be in residence at the MBL for \_\_\_\_\_ weeks (note: Long-term fellowships are awarded for no more than eight weeks or less than four weeks. Writers who take only the laboratory course will be in residence for no longer than eight days.)

10. I am a member of the following minority group:  Black  Hispanic  Native American  Asian

11. Supplemental Material

A. Statement (not to exceed 1500 words) describing your journalistic experience and professional goals, and explaining how this fellowship or laboratory course will benefit your career.

B. A list of science courses taken after high school and a brief description of any science laboratory experience you have had.

C. Your choice of at least two major course areas in which you would be most interested (e.g., Embryology, Marine Ecology, Biology of Parasitism, Neurobiology, or Physiology), and the reason for your choice — see *Annual Bulletin* for complete list of summer courses and course descriptions. If you are interested in an Ecosystems Center Fellowship, please list two choices of projects with which you would like to work (see enclosed *Annual Report*) and the reason for your choices. (*Applicants for 4- or 8-week fellowships only*)

D. Four samples of your science writing (six copies of each). At least half of the samples should have been published within the last two years. Do not send anything irreplaceable. Do not send works-in-progress or other unpublished works or elaborate presentations such as complete books, newspapers, magazines, or scrapbooks. Broadcast work should be on 3/4 or 1/2 inch videocassette (only one copy required) or audio cassette, with total running time of 30 minutes or less. Editors or broadcast news directors should send samples with brief descriptions of their involvement in each story. Cassettes will be returned after the Fellows are announced.

E. Three confidential letters of recommendation, mailed by the evaluators directly to the MBL Science Writing Fellowships Program, no later than March 2. Where possible, one letter should be from a current or recent supervisor of your professional work. Please indicate below the names, affiliations, and telephone numbers of those who will be submitting letters on your behalf.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I submit this information in connection with my application for an MBL Science Writing Fellowship, with the understanding that the number and selection of Fellows and their final acceptance to the program lie entirely within the discretion of the MBL Science Writing Fellowships Program Selection Committee and the Marine Biological Laboratory.

Signature \_\_\_\_\_ Date \_\_\_\_\_

*The Marine Biological Laboratory does not discriminate on the basis of race, color, national or ethnic origin, religion, sex, sexual or affectional preference, or handicap, in admission to, access to, employment in, or treatment in, any of its programs or activities.*

I heard about the Science Writing Fellowships Program from: \_\_\_\_\_  
\_\_\_\_\_ Colleague  
\_\_\_\_\_ Program flyer  
\_\_\_\_\_ Advertisement (specify source ) \_\_\_\_\_  
\_\_\_\_\_ Other (please specify) \_\_\_\_\_