

# AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Science serves its readers as a forum for the presentation and discussion of important issues related to the advancement of science, including the presentation of minority or conflicting points of view, rather than by publishing only material on which a consensus has been reached. Accordingly, all articles published in Science—including editorials, news and comment, and book reviews—are signed and reflect the individual views of the authors and not official points of view adopted by the AAAS or the institutions with which the authors are affiliated.

#### Editorial Board

1972

ALFRED BROWN
JAMES F. CROW
THOMAS KUHN
BLEIGHT W. MONTROLL

FRANK PRESS
FRANK W. PUTNAM
WALTER O. ROBERTS

1973

H. S. GUTOWSKY
ARTHUR D. HASLER
RUDOLF KOMPFNER
DANIEL E. KOSHLAND, JR.

GARDNER LINDZEY
RAYMOND H. THOMPSON
EDWARD O. WILSON

#### **Editorial Staff**

Editor

PHILIP H. ABELSON

Publisher William Bevan Business Manager Hans Nussbaum

Managing Editor: ROBERT V. ORMES

Assistant Editors: Ellen E. Murphy, John E. Ringle

Assistant to the Editor: NANCY TEIMOURIAN

News and Comment: John Walsh, Deborah Shapley, Robert Gillette, Nicholas Wade, Constance Holden, Barbara J. Culliton, Scherraine Mack

Research News: Allen L. Hammond, William D. Metz

Book Reviews: SYLVIA EBERHART, KATHERINE LIV-INGSTON, KATHRYN MOUTON

Cover Editor: GRAYCE FINGER

Editorial Assistants: Margaret Allen, Isabella Bouldin, Blair Burns, Eleanore Butz, Ronna Cline, Annette Diamante, Mary Dorfman, Judith Givelber, Marlene Glaser, Corrine Harris, Oliver Heatwole, Christine Karlik, Marshall Kathan, Margaret Lloyd, Jane Minor, Daniel Rabovsky, Patricia Rowe, Leah Ryan, Lois Schmitt, Ya Li Swigart, Alice Theile

Guide to Scientific Instruments: RICHARD SOMMER

Membership Recruitment: LEONARD WRAY; Subscriptions: BETTE SEEMUND; Addressing: THOMAS BAZAN

### Advertising Staff

Director EARL J. SCHERAGO Production Manager BONNIE SEMEL

Advertising Sales Manager: RICHARD L. CHARLES

Sales: New York, N.Y. 10036: Herbert L. Burklund, 11 W. 42 St. (212-PE-6-1858); SCOTCH PLAINS, N.J. 07076: C. Richard Callis, 12 Unami Lane (201-889-4873); Meddiel, Mass. 02052: Richard M. Ezequelle, 4 Rolling Lane (617-444-1439); CHICAGO, ILL. 60611: John P. Cahill, Room 2107, 919 N. Michigan Ave (312-DE-7-4973; BEVERLY HILLS, CALIF. 90211: Winn Nance, 111 N. La Cienega Blvd. (213-657-2772)

EDITORIAL CORRESPONDENCE: 1515 Massachusetts Ave., NW, Washington, D.C. 20005. Phones: (Area code 202) Central office: 467-4350; Book Reviews: 467-4367; Business Office: 467-4411; Circulation: 467-4417; Guide to Scientific Instruments: 467-4480; News and Comment: 467-4430; Reprints and Permissions: 467-44483; Research News: 467-4321, Reviewing: 467-4440. Cable: Advancesci, Washington. Copies of "Instructions for Contributors" can be obtained from the editorial office. See also page xy, Science, 24 December 1971. ADVERTISING CORRESPONDENCE: Room 1740, 11 W. 42 St., New York, N.Y. 10036. Phone: 212-PE-6-1858.

## **Can Stockholm Succeed?**

With the opening of the Stockholm Conference only days away, it has become obvious that what is most needed now is a severe cutback in our expectations—else the affair will go down as a failure.

How have we got into this bind? Quite logically. Early misgivings that the conference could come to be regarded as the "rich men's club," laying down to the rest of the world the rules of appropriate environmental behavior, led to a decision to define human environment in very broad terms. While toxic emissions and mine tailings degraded the quality of life in the rich countries, the formula went, lack of drinkable water and the ravages of pathogens imperiled life itself in the rest of the world. All of these problems qualified as conference material.

The strategy accomplished its primary purpose: the initial hostility of the less-developed countries abated, and "environmental concern" was proclaimed to be a necessary dimension of development, not a competitor for funds and attention. Conflicts caused by the impact of environmental policies on trade, investment, and aid were recognized early, and this led to intelligent discussion and some guidelines to remedial action and acquisition of necessary knowledge.

Unhappily, the structure has proved to be shaky. Once development had become a dimension of the environmental problem, it quickly attained prominence. The ensuing argument began to focus on obstacles to development and who was to blame for them, increasingly so as the technicians active in the preparations for the conference gave place to their political superiors. Varying with who is discussing it, the conference is expected to do something about poverty, hunger, discrimination, disease, and inequalities of income, education, and opportunity—in sum, the human condition. New demands are still surfacing; for example, several African countries announced in mid-April their intention to have the conference condemn apartheid and endorse their demand for reparations from the colonial powers responsible for damage done in the past to their natural and human resources. All this comes on top of systems of worldwide monitoring, agreements on avoiding such damaging activities as dumping waste in oceans, preservation of areas or elements of value to mankind as a species, and a declaration of principles on the human environment to be pungent, inspiring, comprehensive, and agreeable to all. Nor is the level of expectations reduced by the expected influx of interested observers—on the contrary. Apart from the forum set up with the cooperation of the conference to accommodate the various environmental, conservationist, and scientific organizations that cannot operate in an intergovernmental meeting, one or more counter-forums will be set up by and for those who view the official forum as dominated by the "establishment." These counter-forums can be expected to highlight whatever they judge to be the shortcomings of the conference. The rumor mill has it that 10,000 to 50,000 people, mostly young, will be converging on Stockholm to engage in this task. Whether this is reason to rejoice or despair we shall not know until the conference is over.

Can the environmental donkey carry the load that is now accumulating on its back? Stockholm is an important way station. It was not designed to solve the problems of mankind. In what sense, then, can Stockholm "succeed"? It will be a success if it can tread water from 5 to 16 June and keep from sinking under the weight of highly motivated, ill-addressed, and altogether exaggerated expectations.—Hans H. Landsberg, Director, Appraisals Program, Resources for the Future, Inc., Washington, D.C. 20036.