SCIENCE

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 re-views—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 1976

FRANK PRESS

FRANK W. PUTNAM MAXINE SINGER

DONALD KENNEDY

RAYMOND H. THOMPSON

EAL E. MILL

ARTHUR M. SQUIRES

ALERED E. BROWN JAMES F. CROW HANS LANDSBERG EDWARD NEY

WARD GOODENOUGH LIFFORD GROBSTEIN H. S. GUTOWSKY

N. BRUCE HANNAY

Editorial Staff Editor

1977

PHILIP H. ABELSON

Publisher Business Manager WILLIAM D. CAREY HANS NUSSBAUM

Managing Editor: ROBERT V. ORMES

Assistant Editors: ELLEN E. MURPHY, JOHN E. RINGLE

Assistant to the Editors: RICHARD SEMIKLOSE

News and Comment: JOHN WALSH, Editor: PHILIP M. BOFFEY, LUTHER J. CARTER, BARBARA J. CULLITON, CONSTANCE HOLDEN, DEBORAH SHAPLEY, NICHOLAS WADE. Editorial Assistant, SCHERRAINE MACK

Research News: Allen L. Hammond, William D. Metz, Thomas H. Maugh II, Jean L. Marx, Arthur L. ROBINSON, GINA BARI KOLATA, FANNIE GROOM

Book Reviews: KATHERINE LIVINGSTON, LYNN MAN-FIELD, JANET KEGO

Cover Editor: GRAYCE FINGER

Editorial Assistants: JOHN BAKER, ISABELLA BOULdin, Margaret Buresch, Eleanore Butz, Mary Dorfman, Sylvia Eberhart, Judith Givelber, Caitilin Gordon, Corrine Harris, Nancy Hart-NAGEL, OLIVER HEATWOLE, CHRISTINE KARIK, MAR-GARET LLOYD, JEAN ROCKWOOD, LEAH RYAN, LOIS SCHMITT, YA LI SWIGART, ELEANOR WARNER

Guide to Scientific Instruments: RICHARD SOMMER

Membership Recruitment: GWENDOLYN HUDDLE; Subscription Records and Member Records: ANN RAG-LAND

Advertising Staff

Director Earl J. Scherago

Production Manager MARGARET STERLING 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); CHI-CAGO, ILL. 60611: Jack Ryan, Room 2107, 919 N. Mich-igan Ave. (312-DE-7-4973); BEVERLY HILLS, CALIF. 90211: Winn Nance, 11 N. La Cienega Blvd. (213-657-2772); Dorset, VT. 05251: Fred W. Dieffenbach, Kent Hill Rd. (802-867-5581)

EDITORIAL CORRESPONDENCE: 1515 Massachu-setts Ave., NW, Washington, D.C. 20005. Phones: (Area Code 202) Central Office: 467-4350; Book Re-views: 467-4367; Business Office: 467-4411; Circulation: Views: 467-4430; business Office: 407-4411; Circulation: 467-4417; Guide to Scientific Instruments: 467-4480; News and Comment: 467-4430; Reprints and Per-missions: 467-4483; Research News: 467-4321; Review-ing: 467-4443. Cable: Advancesci, Washington. Copies of "Instructions for Contributors" can be obtained from the editorial office. See also page xi, *Science*, 26 March 1976. ADVERTISING CORRESPONDENCE: Room 1740, 11 W. 42 St., New York, N.Y. 10036. Phone: 212-DE 6 1856 PE-6-1858

Habitat

The United Nations Conference on Human Settlements-Habitat-convened in Vancouver on 31 May and brings to a head many of the substantive, "nonconventional diplomatic initiatives" which have resulted from the United Nations conferences on the environment, population, food and hunger, and the law of the sea. These pressing concerns are brought into focus in the problems of our cities, towns, and hamlets, where human beings relate to or destroy the environment which they share with other living things, nurture their children, modulate their population growth, till their soil, craft their tools and utensils, and provide generational transmission of emerging life-styles to those born there and to the strangers within their gates.

Habitat will emphasize the necessity of considering together all forms of human settlement from the rudest hut to skyscrapers, as people bred in one move to another, fleeing poverty in the countryside to a different kind of poverty in the swollen cities. They leave behind the tried ways of their ancestors to live in jumbled anonymity and low civic participation in cities which are increasingly dominated by the automobile, mass-produced goods, and internationally propagated building styles unrelated to local environments and basic or culturally specific human needs. As old cities decay before the onslaught of penniless millions—refugees from poverty, relentless population growth, civil disorder, war and massacre-new cities, jerry-built and inhuman, spring up, designed sometimes half a world away from those who will live in them. The pollution, poverty, and overcrowding in our cities and the relative and real deprivation in the countryside, perpetuated by large-scale exploitation of raw materials, together dramatize the contemporary problems of reconciling planning and freedom, human well-being, and the enhancement of profit, power, and prestige. In the economic realm of city planning, "housing" is often relegated to the status of a consumer item—an unfortunate necessity (associated with groups of people assembled for purposes of defense, offense, or production).

The problems are global. The participants, representing 140 governments and some 400 nongovernmental organizations, will have to struggle with the crucial question of scale: how to provide a framework within which aspirations for the human condition can be translated into continental planning for resource use and utility corridors and national policies for land use, yet leave towns and neighborhoods the autonomy necessary to adapt internationally developed designs to the needs of these smaller units. At present almost every aspect of human settlement planning is on the wrong scale.

The need for innovative economizing is greatest in the developing countries because of the magnitude of the problem and the scarcity of resources. But there is a complementary need in the industrialized countries-a need for energy conservation, the elimination of wasteful use of irreplaceable resources and pollution, and the redesign of our urban systems from deteriorated inner cities and isolating suburbs. The United States is conspicuous for the technical know-how which we can assemble when faced with war, and equally conspicuous for our laissez-faire abandonment of our cities and those who live within them. Americans should have much to offer and to learn as the Conference struggles with the task of viewing human settlement as a global system, analyzable by computers which can handle hundreds of variables, but responsible to the residents' historically developed sense of space, time, and community. Each settlement can be a poorly differentiated segment or a microcosm of the whole, fostering divisiveness or global responsibility.-MARGARET MEAD, Curator Emeritus of Ethnology, American Museum of Natural History, New York 10024, and Chairman of the Board, AAAS