The President's Review
and Annual Report 1979

Photograph Excised Here

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THE PRESIDENT'S REVIEW
AND ANNUAL REPORT
1979

THE ROCKEFELLER FOUNDATION
## CONTENTS

### ORGANIZATIONAL INFORMATION

5

### THE PRESIDENT’S REVIEW

19

### GRANTS AND PROGRAMS

35

- Equal Opportunity 36
- Arts, Humanities and Contemporary Values 41
- Conquest of Hunger 58
- Quality of the Environment 65
- Population and Health 68
- International Relations 81
- Education for Development 87
- Special Interests and Explorations 90
- Fellowships 103

### FINANCIAL STATEMENTS

111
TRUSTEES AND TRUSTEE COMMITTEES

December 31, 1979

Theodore M. Hesburgh Chairman Robert V. Roosa Vice-Chairman

BOARD OF TRUSTEES

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Henry B. Schacht
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James D. Wolfensohn
Sterling Wortman

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Bill Moyers
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Billy Taylor

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Herman E. Gallegos
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Henry B. Schacht
Victor H. Palmieri
James D. Wolfensohn

COUNSEL

Patterson, Belknap, Webb & Tyler
Robert M. Pennoyer

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## OFFICERS AND STAFF IN NEW YORK

### December 31, 1979

### ADMINISTRATION

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acting President</td>
<td>Sterling Wortman</td>
</tr>
<tr>
<td>Vice-President for Administration</td>
<td>Ellsworth T. Neumann</td>
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<tr>
<td>Vice-President and Secretary</td>
<td>Laurence D. Stifel</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Theodore R. Frye</td>
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<tr>
<td>Comptroller</td>
<td>Herbert Heaton</td>
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<tr>
<td>Assistant Secretary</td>
<td>Esther S. Stamm</td>
</tr>
<tr>
<td>Assistant Treasurer</td>
<td>Webb Trammell</td>
</tr>
<tr>
<td>Deputy Comptroller</td>
<td>Alexander Daunys</td>
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<tr>
<td>Associate Comptroller</td>
<td>Rajaram Ramanathan</td>
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<tr>
<td>Assistant to the Secretary</td>
<td>Lynda Mullen</td>
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<tr>
<td>Editor, Central Administration</td>
<td>Anne E. Newbery</td>
</tr>
<tr>
<td>Program Associate</td>
<td>Susan Garfield</td>
</tr>
<tr>
<td>Program Officer (Associate Director)</td>
<td>D. Lydia Brontë</td>
</tr>
<tr>
<td>Archivist</td>
<td>J. William Hess</td>
</tr>
<tr>
<td>Consultant and Life Fellow</td>
<td>J. George Harrar</td>
</tr>
<tr>
<td>Manager, Fellowship Office</td>
<td>Joseph R. Bookmyer</td>
</tr>
<tr>
<td>Manager, Office Service Department</td>
<td>Henry S. Tartaglia</td>
</tr>
<tr>
<td>Manager, Personnel Service</td>
<td>Adel Tackley</td>
</tr>
<tr>
<td>Manager, Purchasing and Shipping Department</td>
<td>Lowry B. Andrews</td>
</tr>
<tr>
<td>Manager, Records Management and Library Service</td>
<td>Frank Wolling</td>
</tr>
<tr>
<td>Manager, Travel Service</td>
<td>Frances Mulligan</td>
</tr>
<tr>
<td>Librarian</td>
<td>Muriel Regan</td>
</tr>
</tbody>
</table>
AGRICULTURAL SCIENCES

JOHN A. PINO, PH.D.,  Director
JAMES E. JOHNSTON, PH.D.,  Deputy Director
CLARENCE C. GRAY III, PH.D.,  Associate Director
CHARLES K. MANN, PH.D.,  Associate Director
(also assigned to Social Sciences)
JOHN J. MCKELVEY, JR., PH.D.,  Associate Director
KENNETH O. RACHIE, PH.D.,  Associate Director
GARY H. TOENIessen, PH.D.,  Assistant Director
MARJORIE J. SCHAD,  Program Associate

ARTS

HOWARD KLEIN, M.S.,  Director
ELLEN S. BUCHWALTER, M.S.,  Program Associate

HEALTH SCIENCES

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ELIZABETH F. CONNOLLY,  Program Associate

HUMANITIES

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ANNE GORGONIK, M.A.,  Program Associate

INTERNATIONAL RELATIONS

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JOHN STREMLAU, PH.D.,  Associate Director
CECILIA LOTSE, M.PHIL.,  Program Associate
POPULATION SCIENCES

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W. PARKER MAULDIN, M.S., Senior Scientist

SOCIAL SCIENCES

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(also assigned to Agricultural Sciences)
JOYCE L. MOOCK, PH.D., Assistant Director
BRUCE E. WILLIAMS, PH.D., Assistant Director
PHOEBE H. COTTINGHAM, PH.D., Economist
PATRICIA HARRIS, Program Associate

INFORMATION SERVICE

HENRY ROMNEY, Director
RICHARD DODSON, Program Associate
BETH GREENFELD, Program Associate
FIELD STAFF
December 31, 1979

BRAZIL

Salvador

AGRICULTURAL SCIENCES
Jerome H. Maner, Ph.D., Foundation Representative
Kenneth L. Buhr, Ph.D.
Eugenio Martinez, Ph.D.

HEALTH SCIENCES
Willoughby Lathem, M.D.

SOCIAL SCIENCES
Susan W. Almy, Ph.D.
Luis A. Fuenzalida, M.A.
Alberto R. Musalem, Ph.D.

COLOMBIA

Cali

AGRICULTURAL SCIENCES
Farzam Arbab, Ph.D., Foundation Representative

INTERNATIONAL CENTER FOR TROPICAL AGRICULTURE (CIAT)
Johnson E. Douglas, M.S.
Peter R. Jennings, Ph.D.
(on assignment in Costa Rica)
James M. Spain, Ph.D.

HONDURAS

Tegucigalpa

AGRICULTURAL SCIENCES
Robert K. Waugh, Ph.D.
INDIA

Hyderabad

INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS (ICRISAT)

  Leland R. House, Ph.D.

INDONESIA

Yogyakarta

AGRICULTURAL SCIENCES

  Allen D. Tillman, Ph.D.

HEALTH SCIENCES

  Jon E. Rohde, M.D.

SOCIAL SCIENCES

  Joseph E. Black, Ph.D., Foundation Representative

ITALY

Bellagio (Lake Como)

THE BELLAGIO STUDY AND CONFERENCE CENTER

  Roberto Celli, Administrator

KENYA

Nairobi

SOCIAL SCIENCES

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Mexico City

AGRICULTURAL SCIENCES

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INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER (CIMMYT)

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Robert D. Osler, Ph.D.
Ernest W. Sprague, Ph.D.

Monterrey

AGRICULTURAL SCIENCES

Roland E. Harwood

PHILIPPINES

Quezon City

SOCIAL SCIENCES

Harry T. Oshima, Foundation Representative

ST. LUCIA

Castries

HEALTH SCIENCES

Peter Jordan, M.D., Director, Research and Control Department
Guy Barnish
Richard K. Bartholomew
Oliver F. Morris
Michael A. Prentice
THAILAND

Bangkok

AGRICULTURAL SCIENCES
  William R. Young, Ph.D., Foundation Representative
  Ben R. Jackson, Ph.D.
  Fred E. Nichols
  Bobby L. Renfro, Ph.D.

SOCIAL SCIENCES
  George E. Delehany, Ph.D.

UNITED STATES

Morrilton, Arkansas

WINROCK INTERNATIONAL LIVESTOCK RESEARCH AND TRAINING CENTER
  Ned S. Raun, Ph.D.

Washington, D.C.

HEALTH SCIENCES
  Stephen J. Plank, M.D.

Gainesville, Florida

SOCIAL SCIENCES
  Peter E. Hildebrand, Ph.D.

Atlanta, Georgia

SOCIAL SCIENCES
  Charles H. Smith, M.Ed.

Ithaca, New York

AGRICULTURAL SCIENCES
  Dale G. Smeltzer, Ph.D.
New York, New York

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FRANCIS C. BYRNES, PH.D.
RALPH W. CUMMINGS, JR., PH.D.
WAYNE H. FREEMAN, PH.D.
(on assignment in Nepal)
ULYSSES J. GRANT, PH.D.
(on assignment in Ecuador)
LOYD JOHNSON, M.S.
(on assignment in Ecuador)
STEPHEN M. KATZ
A. COLIN MCCLUNG, PH.D.
JAMES C. MOOMAW, PH.D.
BILL C. WRIGHT, PH.D.

Chapel Hill, North Carolina

HEALTH SCIENCES
Gladwin O. Unrau

Camden, South Carolina

AGRICULTURAL SCIENCES
ORDWAY STARNES, PH.D.

ZAIRE

Kinshasa

SOCIAL SCIENCES
HOWARD J.C. ELLIOTT, PH.D., Foundation Representative
HASSOUNA MOUSSA, PH.D.

Kisangani

SOCIAL SCIENCES
WILLIAM J. OSBY, PH.D.
ORGANIZATIONAL INFORMATION

MEETINGS

The annual meeting of the Corporation and a regular stated meeting of the Board of Trustees were held on April 4, a stated meeting of the board was held on December 3-4, and special meetings of the board were held on September 11 and 12. Three regular meetings of the Executive Committee of the trustees were held to take actions within the general policies approved by the board.

TRUSTEES AND PRINCIPAL OFFICERS

Paul A. Volcker resigned from the Board of Trustees, effective September 12, 1979, upon having been appointed chairman of the Board of Governors of the Federal Reserve System. He was elected a trustee in 1975 and served for four years as a member of the Executive Committee, for one year as a member and two years as an alternate member of the Finance Committee, and for one year as a member of the Committee on Audit.

Herman E. Gallegos, chairman of the board of the Human Resources Corporation in San Francisco, was elected a trustee, effective April 4. He served formerly as district director of the San Bernardino Council of Community Services, special representative to the California Fair Employment Practice Commission, and executive director of the National Council of La Raza. He has been a member of numerous national and local advisory boards and civic organizations, including the National Advisory Commission on Rural Poverty and the Task Force on Voluntary Action by Community Organizations of the White House Conference on Food, Nutrition, and Health. He is currently a director of Pacific Telephone and Telegraph Company and of the Student Loan Marketing Association.

Victor H. Palmieri, ambassador-at-large for refugee affairs and chairman of the board and chief executive officer of Victor Palmieri & Co., Inc., Los Angeles and Washington, D.C., was elected a trustee, effective April 4. He was formerly associated with the law firm of O'Melveney and Myers in Los Angeles and president of Janss Investment Corporation. He has served as a member of the President's Commission on White House Fellows, the International Legal Center, and the Council on Law-Related Studies. He is a member of the Council on Foreign Relations.

James D. Wolfensohn, executive partner of Salomon Brothers and chairman of Salomon Brothers International, London, was elected a trustee, effective April 4. He was formerly associated with Schroders Limited, London; Schroders International; J. Henry Schroder Banking Corporation; and Schroders Trust Company, New York; the Australian law firm of Allen Allen & Hemsley; Rheain International, New York; the brokerage house of Ord Minnett, Sydney; and the investment bankers Darling & Co. He is a trustee of the Population Council and the Institute for Advanced Study and a director of the Joint Center for Political Studies.

Sterling Wortman, acting president of the Foundation since the death of John H.
Knowles on March 6, was elected a trustee, effective April 4. He has been vice-president of the Foundation since 1970, having previously served as associate director and then director for Agricultural Sciences and as a field staff member in Mexico, Hawaii, and the Philippines.

W. Michael Blumenthal, former secretary of the treasury, was elected a trustee, effective September 12. He was first elected to the board in 1971 and resigned early in 1977 upon assuming the office of secretary of the treasury. He earlier served as deputy assistant secretary of state for economic affairs and then deputy special representative for trade negotiations under Presidents Kennedy and Johnson and as president and chief operating officer of the Bendix Corporation.

Mason Willrich resigned from his position as director for International Relations, effective October 31, to take up a position as vice-president for corporate planning at Pacific Gas and Electric Company in San Francisco. He joined the Foundation’s staff in September 1976.
In Memoriam

John H. Knowles, M.D.
1926-1979

The life of John Knowles was relatively brief, but uncommonly full. I think of it in three phases. First, the time of youthful ebullience, a nine-letter man at Harvard, a measure of careful frivolity through college that made it difficult for him to find acceptance at a medical school. Once admitted to Washington University, and safely on the road to his chosen profession, he graduated first in his class, and never thereafter settled for anything but the best. There were in these youthful years the great joy of marriage and children, the early practice of medicine, the acquisition of high competence in his specialty, the writing of a book still used in medical education, and the acceptance of great responsibility at the age of 35 as the youngest director of the Massachusetts General Hospital.

The second phase was his life during the years as director of MGH. Always restless with what is, in spite of what might yet be, all the difficult questions were asked about medical delivery. He was not one to shrink from giving the difficult and unpopular answers, the critical judgment if it was needed. Through all these years, he never forgot that he was quintessentially a doctor. He regularly made rounds, treated his patients, grew in medical lore, lectured and wrote; in a word, lived for the good of others as only a good professional man can and should do.

The third phase, the one in which I became John’s colleague and friend, covered the last seven years of his life, as he served with spirit, verve, and untiring dedication as the president of The Rockefeller Foundation. This was the culmination of his life of service, now enlarged by the Foundation’s motto: “To promote the well-being of mankind throughout the world.” Beyond New York and Boston, he now ranged the world of Latin America, Africa, and Asia, with all its human problems. Beyond medicine, he assumed new leadership in agriculture, the humanities, the cultural arts—especially his love, music—urban and rural development, universities everywhere, the resolution of international conflicts, theology, human rights, unemployment, environment, population, and then full circle back to the neglected tropical diseases. He read omnivorously, he ranged widely, he questioned everything, he spoke and wrote, encouraged and cajoled, complimented and criticized. He made many people happy and some quite unhappy.

Mostly he enjoyed being what he was: a very energetic, hard-working, enormously curious, imaginative, and creative medical doctor who was enthusiastic day after day in the quest of curing mankind’s ancient ills of hunger, illness, poverty, repression, rootlessness, and hopelessness. He died in full flight, like a wild bird on the wing, sensing the far horizon, savoring the beauty beyond.

Theodore M. Hesburgh
THE
PRESIDENT'S
REVIEW
THE PRESIDENT’S REVIEW

For all of us at The Rockefeller Foundation, the year 1979 was saddened by the unexpected death of our president, John H. Knowles, M.D., in March. He left us an unfinished agenda of awesome dimensions, one hard to contemplate without being able to count on John’s intellectual and physical energies to help carry it out. But he also left an active, increasingly goal-oriented organization, so that the year 1979 nevertheless was one of considerable progress. Little momentum was lost, which surely is a matter of credit to all concerned, from our trustees to our support staff.

While loss of momentum has been minimal, it was not a year of business as usual. Most organizations, public or private, profit or nonprofit, have been hit hard by the alarming erosion of purchasing power—certainly this is true for a private foundation that must rely solely on its endowment to generate the funds for its work. This has posed for trustees and program officers a number of hard questions.

How We Work

Before touching upon what might be some of the likely answers, let me briefly describe the year’s work and how we set about it. For administrative purposes, we are organized into divisions, seven at present,* each staffed by professionals with extensive experience in their particular fields. But we carry out our work through what we call “programs”: interdisciplinary group efforts focused on specific, stated goals. The Conquest of Hunger program, for example, is staffed by, among others, not only plant and animal scientists, but also economists and anthropologists. This group, by means of a professional field staff (direct operations) and grant-making (indirect operations), is committed in its day-to-day operations to such objectives as increasing rice production in the Philippines, or the development of an agricultural faculty in an Indonesian university, or increasing the incomes of small farmers in Guatemala.

At home, our programs are focused on greater opportunities for minorities, and strengthening the place in everyday life of the arts and humanities.

Abroad, our work is aimed at overcoming hunger and rural poverty, helping to create the stabilization of world populations, advances in tropical medicine, and improved relationships between nations.

A complete roster of actions taken within these programs is to be found in the annual report; a summary of the highlights would include the following.

Equal Opportunity

The Foundation’s fundamental concern for equality for all goes back to its earliest days through the work of a sister organization, the General Education Board. Historically, the Foundation’s major effort has been to achieve equal

*Agricultural Sciences, Arts, Health Sciences, Humanities, International Relations, Population Sciences, and Social Sciences.
educational opportunities for black Americans, particularly in higher education and professional training. Changing times brought programs adapted to new opportunities. Since 1963, extensive additional efforts have been made to strengthen minority leadership, especially in those fields that affect the quality of life for minorities. The accessibility of minority-group students to first-rate universities, the administration of urban school systems, the extension of civil rights, the support of self-help groups in the Southeastern United States, are examples of the many, often substantial programs that were supported.

The overall objective of the program has remained unchanged: it is to secure, protect, and expand the opportunity for blacks and other racial minorities to achieve social, educational, and economic progress in American society.

Over the past year, trustees and officers have given continuing consideration to placing a greater emphasis on the attainment of economic opportunities for minorities. A start was made in the perplexing and deeply troublesome area of minority-youth employment. As can be seen in the figure presented below, the present threat of one or more generations of young, urban blacks and Hispanics living out their lives with either no jobs or only marginal employment is one that requires the most serious attention of public and private leadership.

The Foundation is fortunate to have at the head of its Social Sciences Division (and chairman of its Equal Opportunity program) Bernard E. Anderson, a highly regarded manpower economist who, until 1978, was associated with the Wharton
School of the University of Pennsylvania. During more than a year of preparatory work, Dr. Anderson and his colleagues have been seeking to identify strategies and models with a high potential for the employment of young blacks and Hispanics—particularly in the private sector. As this work proceeds, it is hoped that the Foundation (and the individuals and institutions with whom it is cooperating) might broaden its focus to obtain a better understanding of the general problem of structural unemployment, and the wider question of economic inequality in the United States.

At the same time, the Foundation will continue its efforts to increase the participation of minorities in the development of the Southeast, to help attain leadership positions for minorities, and to secure and protect basic rights.

The Arts

Over the past two decades, the arts have become a part of everyday life for an increasing number of people. Much of the great surge in public expenditures, and most corporate funding, is focused on maintaining new and established arts organizations and developing new audiences. The Foundation’s focus is somewhat different: believing the creative person to be pivotal to the arts, its support is geared to the artists themselves, rather than art forms or institutions. The goal in the Arts program is to stimulate the creation of artistic work that can enrich people’s lives aesthetically, emotionally, and intellectually.

In 1979, the Foundation continued its support for promising or established individuals—playwrights, choreographers, composers, and video artists—at key stages in their careers. Eighteen awards were made under the playwrights-in-residence program; a major grant was approved for writer Sam Shepard, who later received a Pulitzer Prize for drama; and a current appropriation is enabling Eliot Feld, one of this country’s leading choreographers, to continue his creation of new works.

Other cases in point are the international competitions for excellence in the performance of American music, held annually in cooperation with the Kennedy Center in Washington, a series designed to promote greater awareness of the works of U.S. composers, which last year featured vocal music (350 singers entered the preliminary rounds). And at the University of California at San Diego, a computer expressly built as an “instrument” for composers is now available.

Through its efforts in the 1970’s on behalf of individual artists in the general area of the visual arts and television, the Foundation has become a leading supporter of the field of video art. And following still another direction being taken by artists, the Foundation supports work on holography—the creative use of light interference patterns to project three-dimensional images in space or on photographic plates.

From time to time, issues emerge which are of considerable importance to the arts in general, but which nevertheless may go ignored because of the absence of an organization to speak for them. Two years ago, the Foundation sponsored a meeting to discuss means of increasing the flow of cultural programming across national boundaries, which in turn led to the creation of an annual international public television screening conference (INPUT). The credibility of INPUT seemingly has
been established, and the Corporation for Public Broadcasting will sponsor and finance this year's meeting.

Another example was the organization in 1979 of a three-day conference of independent television producers and artists, officials of public broadcasting agencies, and national and state funding agencies that led to a set of recommendations to promote “telecommunications diversity” for the 1980’s.

**The Humanities and Contemporary Values**

There are pressing needs for humanizing influences in a world dominated by science and technology. The humanities, as defined by the Foundation, include not only traditionally humanistic subjects, such as history, philosophy, literature, language, linguistics, and religious studies, but also those other sciences that employ historical or philosophical approaches—for example, cultural anthropology, sociology, and political theory. Through its Humanities program, the Foundation seeks to provide insight into the values of a changing society and to develop a humanistic perspective—historical, philosophical, and cultural—on key issues of contemporary society.

One mechanism used in recent years is support for fellowships awarded by major research centers, such as the National Humanities Center, the Woodrow Wilson International Center for Scholars, the Aspen Institute for Humanistic Studies, and the Center for Advanced Studies in the Behavioral Sciences.

Another is the Foundation’s own Humanities fellowship program of about 40 awards annually, which remains the only program explicitly concerned with humanistic research relating to contemporary society.

The Foundation-sponsored Commission on the Humanities, chaired by Richard W. Lyman, president of Stanford University, is now examining the role of the humanities in undergraduate curricula and professional education; problems confronting the major research libraries; nontraditional forms and opportunities for the study of the humanities; the application of the humanities to today’s world; the relationship of science, the humanities, and the professions; and ways to foster student and public interest in the humanities in the next decade. The commission’s report, scheduled for publication this fall, should be useful in identifying areas where significant impact could be made in fostering humanistic research and education in the 1980’s.

Under the Foundation’s new program of research fellowships for minority-group scholars in the social sciences and the humanities (funded through the Equal Opportunity program), the first awards have been made for projects intended to provide an historical and cultural perspective on problems of race and discrimination. Among the subjects being studied are: black Americans in the medical profession, 1875-1954; Afro-Americans and the United Nations; and the Chicano novel. And in an exploratory move toward greater emphasis on the study of human rights, six of the 1979 Foundation Humanities fellowships were specifically reserved for work in this area.

The Foundation seeks to encourage research in neglected areas of this country’s social and cultural heritage. Recent grants include support for development of
Conquest of Hunger

The goal of this program is to enable the people of the poorer countries to consistently meet their food needs.

The RF’s interest in food and agricultural programs dates far back— to 1935, when the Foundation began to test in China pioneering concepts that later became known as integrated rural development. The Foundation’s 45-year record in stimulating food-crop production is, we believe, a unique one.

The success of country programs in which the Foundation was a partner (begun in 1943) in Mexico, Colombia, Chile, and India led to the concept of international research and training centers serving many nations simultaneously. As these centers proved themselves, a number of national and international donor agencies, public and private, organized themselves informally into the Consultative Group for International Agricultural Research (CGIAR) to fund the growing network of centers. Today, more than 570 scientists and a support staff of 7,000 are active in 11 centers; the result of their work is reflected in the substantial acceptance of improved varieties and practices in many parts of the developing world (see table on opposite page). Last year, CGIAR provided over $100 million for these centers—a far cry from the $15 million required seven years ago.

In a badly divided world, the Consultative Group represents an outstanding example of international cooperation for the benefit of millions of people. In 1979, CGIAR began more formal, long-range planning, looking to an even further expanded network.

The RF, a founding member, shares in the support of the network. But the centers were never meant to replace what is generally agreed to be the cornerstone of agricultural development: national programs focused on the increased production of important crops and animal species, the training of local scientists, the strengthening of national institutions, and assistance to indigenous farmers to make the most of existing and new resources. To help meet this most pressing of needs, the RF brought into being in 1975 the International Agricultural Development Service (IADS) to help countries design programs they themselves can carry out. This has proven attractive to both agencies of developing countries and donors: IADS has received more than 30 requests for assistance, and has signed contracts and service arrangements totaling $25 million. Last year, the Consultative Group, at the suggestion of some of its European members, decided to establish a similar agency, though narrower in scope: the International Service for National Agricultural Research, as it is to be known. For the RF, this was a welcome decision since eventually it is likely to make available assistance for national programs on a far larger scale. IADS, meanwhile, will continue its operations,
broadening its efforts to encompass other important aspects of agricultural and rural development, as originally planned.

### ESTIMATED AREA OF HIGH-YIELDING VARIETIES OF WHEAT, RICE, and proportion of crop area planted to high-yielding varieties in less developed nations, 1976/77.

<table>
<thead>
<tr>
<th>Region</th>
<th>Wheat (Hectares)</th>
<th>Rice (Hectares)</th>
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<td>Asia (South &amp; East)</td>
<td>19,672,300</td>
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<td></td>
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<td>(West Asia &amp; North Africa)</td>
<td>4,400,000</td>
<td>40,000</td>
<td>4,440,000</td>
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<td>Africa (excl. N. Africa)</td>
<td>225,000</td>
<td>115,000</td>
<td>340,000</td>
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<tr>
<td>Latin America</td>
<td>5,100,000</td>
<td>920,000</td>
<td>6,020,000</td>
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<tr>
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<td>29,397,300</td>
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<td>Asia</td>
<td>72.4</td>
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<td>17.0</td>
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<td>Latin America</td>
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<td>Total</td>
<td>44.2</td>
<td>27.5</td>
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</table>

Source: Dana G. Dalrymple, Development and Spread of High-Yielding Varieties of Wheat and Rice in the Less Developed Nations.

A second thrust of the RF's Conquest of Hunger program last year dealt with another long-standing interest: support for a broad range of biological research fundamental to increased plant and animal production.

Under this rubric, the Foundation supported promising studies toward effective vaccines for blood parasitic diseases of livestock, basic research on the mechanisms of plant resistance to disease, and research on the reproductive biology and nutrition of freshwater fish.

These are the main thrusts today of one of the Foundation's more successful programs. It is a worldwide effort that has contributed significantly to increased food-crop production in a number of the poorer countries.

**Population**

The years since the 1974 World Population Conference in Bucharest have brought with them a growing awareness by more governments that high population growth can be a most serious barrier to improving the quality of life for
the majority of their citizens. But, worldwide, only a small beginning has been
made to stabilize populations at levels that will allow individuals to live in dignity,
with the hope of better lives for future generations, which is the objective of
this program.

Our work concerns itself with three main thrusts. We support research in
reproductive biology toward a greater understanding of the hormonal, physiologi-
cal, and biochemical mechanisms involved in the reproductive system. We
maintain a related interest in new contraceptive technology, particularly in the
genetic, nutritional, and cultural factors bearing on safety and effectiveness.
Finally, we seek to improve the understanding between population and other aspects
of development.

A major event was the renewal of working relationships between China and the
Foundation. As noted elsewhere, the Foundation was active in medicine and rural
development in China from the mid-thirties to the advent of the Mao regime. The
field of population is now one of mutual interest: in 1979, responding to requests
from Chinese officials and scientists, the Foundation made a grant to assist in the
planning of a new Institute of Developmental Biology in Peking, awarded
fellowships to several Chinese scientists for training in the U.S., and appointed two
Chinese consultants to help develop a collaborative contraceptive development
program.

Mexico is another country that within recent years has given high priority to
population-stabilization efforts. This year, the Foundation entered into a cooperative
program—with Mexico's Institute of Nutrition—of research and training in
reproductive biomedicine for young Mexican physicians. These two examples are
indicative of a strong international emphasis in the overall program for both
scientific and scholarly work.

Health

Not only modern Western medical education and practice, but also the
underlying biological sciences themselves reflect the Foundation's early support of
the medical and natural sciences. But since the 1950's, the Foundation has not
maintained a program specific to health; now a renewed start has been made in
tropical health—historically, the Foundation's best-known field of interest.

The times seem right: the great research advances made over recent decades have
passed tropical medicine by, so that opportunities for promising investigative work
using sophisticated techniques are considerable. The needs, of course, are
enormous: hundreds of millions of people, mostly poor, mostly rural, are the
victims of parasitic diseases (see table on opposite page). The primary goal of the
Foundation's Health program is, therefore, to speed the identification and
application of effective controls of the great neglected diseases of mankind.

Over the past two years, the Foundation has been instrumental in making it
possible for a dozen investigative units in the U.S., Europe, and Australia, each
headed by a leading scientist, to intensify work on the great neglected diseases of
the developing world, and to provide training for some 47 outstanding scientists.
The network consists at present of six clinical units, four immunological units, and
<table>
<thead>
<tr>
<th>Disease</th>
<th>People (millions)</th>
<th>$ Available (millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer</td>
<td>10</td>
<td>1,000</td>
</tr>
<tr>
<td>Schistosomiasis</td>
<td>200</td>
<td>5</td>
</tr>
<tr>
<td>Malaria</td>
<td>300</td>
<td>9</td>
</tr>
<tr>
<td>Filariasis</td>
<td>300</td>
<td>2</td>
</tr>
<tr>
<td>Amebiasis</td>
<td>400</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Hookworm</td>
<td>600</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Ascariasis</td>
<td>1,000</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

two pharmacological units, all with strong collaborative programs in the developing world, and with ties to the tropical disease programs of the World Health Organization.

Over the next several years, the fruits of the research network and their rapid application in the developing world should become apparent.

Worldwide, health care is very much a lopsided phenomenon. Relatively small numbers of individuals receive costly, high technology, curative care, while the vast majority lack even inexpensive, preventive attention. Considerable work was done last year under the leadership of Dr. Kerr White to explore how the Foundation could help introduce population-based perspectives in health education, research, and management. The Foundation expects to foster research and training in epidemiology—the study of the health of populations—and its application to the management of major global health-care problems.

**International Relations**

The major objective of this program is to improve the means of anticipating and resolving major economic and political conflicts that are likely to arise in a period when the relationships between nations are undergoing profound and rapid change.

We concentrate on three areas of study: the identification of potential regional conflicts, international economic policy, and world demand for and supply of energy. We seek to involve in these studies not only policymakers and policy analysts from the countries involved, but academics and business leaders as well.

Of particular importance last year was the official launching (after more than 18 months of study) of a National Commission on U.S. Policy toward Southern Africa, under the chairmanship of Franklin A. Thomas. The commission, which is an independent, nonprofit organization, plans to examine the implications of various alternatives for U.S. policy toward the region and to inform both U.S. policymakers and the American public of its findings.

The work of two other independent groups progressed strongly in 1979. The Consultative Group on International Economic and Monetary Affairs—the Group
of Thirty, as it is now called—acquired offices in New York City and began an ambitious program of research, study group analyses, and plenary meetings for the purpose of seeking ways to improve the functioning and the stability of the international monetary system.

The International Consultative Group on Nuclear Energy—an unofficial forum begun in 1977—has drawn together a diversity of interests to help solve conflicts among governments concerning the future of nuclear power. Work on defining productive relationships between the U.S. and Japan with regard to nuclear energy policies is continuing, as are analyses of the international security and economic implications of tightened world oil supplies during the next two decades.

Education for Development

The primary objective of this program, which will progressively be phased out over the next few years, has been to speed the emergence in the developing countries of institutions of higher education capable of providing training relevant to national and regional development. The Foundation has been completing long-term cooperative projects to strengthen selected universities—particularly in the social sciences, the agricultural sciences, and medicine—in East Africa, Nigeria, Colombia, the Philippines, and Thailand. Scores of other universities and colleges have been assisted during the last 30 years under other Foundation programs, usually through fellowships for staff development and through grants.

During 1979, the Foundation continued its support to the National University of Zaïre, the Federal University of Bahia in Brazil, and Gadjah Mada University in Indonesia. Underway is a major review and evaluation of this program, with a special emphasis on the identification of alternative mechanisms for cooperating in the future with developing countries in the strengthening of their systems of higher education.

The $1.5 Billion Mark

Sometime in 1980, the Foundation will pass a milestone: it will have appropriated $1.5 billion since its establishment in 1913 "to promote the well-being of mankind throughout the world."

The Foundation received from the senior Mr. Rockefeller, and through a merger with another Rockefeller philanthropy, a total of $241.6 million. The value of its assets as of this writing is $745 million. I stress these figures to demonstrate the favorable relationship in the past between original endowment, disbursements, and present assets, and to make the point that the preservation of the Foundation's assets is essential if its work is to benefit future generations.

The Foundation has for many years maintained a high level of appropriations—but only at the cost of invading its principal fund (see table on opposite page). Almost one-quarter of its nearly $1.5 billion payout has been withdrawn from principal—$128 million over the past 10 years alone.

As shown in the table on page 30, Foundation expenditures have exceeded the requirements of the Tax Reform Act of 1969, which stipulates annual disbursements equal to the larger of (a) 5 percent of asset value or (b) total net investment income.
## Appropriations 1913-1979

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>Income</th>
<th>Principal</th>
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</thead>
<tbody>
<tr>
<td>1913-48</td>
<td>$475,284,346</td>
<td>$346,730,399</td>
<td>$128,553,947</td>
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<td>1949</td>
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<td>1954</td>
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<td>1955</td>
<td>19,152,353</td>
<td>19,152,353</td>
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<td>30,075,305</td>
<td>26,075,305</td>
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<td>28,189,340</td>
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<td>40,402,429</td>
<td>29,083,171</td>
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<td>1966</td>
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<td>31,541,367</td>
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<td>1967</td>
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<td>9,612,727</td>
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<td>32,226,634</td>
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<td>13,554,301</td>
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<td>1974</td>
<td>49,038,210</td>
<td>34,286,205</td>
<td>14,752,005</td>
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<tr>
<td>1975</td>
<td>45,033,065</td>
<td>32,792,630</td>
<td>12,240,435</td>
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<td>1976</td>
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<td>7,505,376</td>
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<td>1977</td>
<td>47,114,185</td>
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<td>8,950,357</td>
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<tr>
<td>1978</td>
<td>47,387,437</td>
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<td>4,461,814</td>
</tr>
<tr>
<td>1979</td>
<td>48,509,900</td>
<td>48,509,900</td>
<td>—</td>
</tr>
</tbody>
</table>

**Total appropriations** ...... $1,579,516,498 $1,214,872,287 $364,644,211

Less: Lapses and refunds 1913-1979 ...... $85,784,352 $75,135,191 $10,649,161

**Net appropriations** ...... $1,493,732,146 $1,139,737,096 $353,995,050
### Appropriations, Expenditures, Income, and Asset Value, 1963-1979

(in $ millions—figures in parentheses show values in terms of 1963 dollars)

<table>
<thead>
<tr>
<th>Year</th>
<th>Appropriations</th>
<th>% of Assets</th>
<th>Program, grant, &amp; administrative expenditures</th>
<th>% of Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1963</td>
<td>37 (37)</td>
<td>5.9</td>
<td>35 (35)</td>
<td>5.6</td>
</tr>
<tr>
<td>1964</td>
<td>40 (40)</td>
<td>5.4</td>
<td>32 (32)</td>
<td>4.4</td>
</tr>
<tr>
<td>1965</td>
<td>36 (35)</td>
<td>4.2</td>
<td>30 (29)</td>
<td>3.5</td>
</tr>
<tr>
<td>1966</td>
<td>42 (40)</td>
<td>4.9</td>
<td>35 (33)</td>
<td>4.1</td>
</tr>
<tr>
<td>1967</td>
<td>39 (36)</td>
<td>5.3</td>
<td>36 (33)</td>
<td>5.0</td>
</tr>
<tr>
<td>1968</td>
<td>43 (37)</td>
<td>5.3</td>
<td>41 (37)</td>
<td>5.2</td>
</tr>
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<td>1969</td>
<td>47 (39)</td>
<td>5.3</td>
<td>39 (32)</td>
<td>4.4</td>
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<td>1970</td>
<td>54 (42)</td>
<td>7.1</td>
<td>47 (37)</td>
<td>6.2</td>
</tr>
<tr>
<td>1971</td>
<td>42 (32)</td>
<td>5.5</td>
<td>44 (33)</td>
<td>5.7</td>
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<td>1972</td>
<td>46 (33)</td>
<td>5.5</td>
<td>44 (32)</td>
<td>5.3</td>
</tr>
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<td>1973</td>
<td>44 (30)</td>
<td>4.5</td>
<td>44 (31)</td>
<td>4.6</td>
</tr>
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<td>1974</td>
<td>49 (30)</td>
<td>5.9</td>
<td>50 (31)</td>
<td>6.0</td>
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<td>1975</td>
<td>45 (26)</td>
<td>7.3</td>
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<tr>
<td>1976</td>
<td>44 (24)</td>
<td>6.0</td>
<td>51 (27)</td>
<td>6.9</td>
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<td>1977</td>
<td>47 (24)</td>
<td>5.6</td>
<td>48 (24)</td>
<td>5.6</td>
</tr>
<tr>
<td>1978</td>
<td>47 (22)</td>
<td>6.4</td>
<td>46 (22)</td>
<td>6.3</td>
</tr>
<tr>
<td>1979</td>
<td>49 (20)</td>
<td>6.6</td>
<td>49 (20)</td>
<td>6.6</td>
</tr>
</tbody>
</table>

Indeed, as can be seen from the investment income column, for the past six years the trustees have deliberately emphasized income generation over asset gains so as to maintain a high payout.

But with the real value of assets declining from a high of $848 million in 1964 to $350 million in 1978 (a decline of 59 percent over 15 years), and given the fact that we cannot presently be assured of strong, continued growth of our principal fund, the Foundation is seeking to avoid further invasions of capital so as to maintain, and perhaps modestly enhance, its ability to serve future generations. Simultaneously, the Foundation is seeking to improve the potentials for growth of its investments.

**The Hard Decisions**

We believe that the Foundation is engaged in important and ambitious undertakings. Each program has several main thrusts (described in the annual report), and under each thrust we are involved in a number of diverse activities. At
<table>
<thead>
<tr>
<th>Net Investment Income</th>
<th>% of Assets</th>
<th>Program, grant, &amp; administrative expenditures in excess of net income</th>
<th>% of Assets</th>
<th>Dec. 31 market value of assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 (26)</td>
<td>4.1</td>
<td>9 (9)</td>
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<td>742 (742)</td>
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<tr>
<td>27 (27)</td>
<td>3.7</td>
<td>5 (5)</td>
<td>.7</td>
<td>860 (849)</td>
</tr>
<tr>
<td>29 (28)</td>
<td>3.4</td>
<td>1 (1)</td>
<td>.1</td>
<td>851 (828)</td>
</tr>
<tr>
<td>31 (29)</td>
<td>3.6</td>
<td>4 (4)</td>
<td>.5</td>
<td>733 (892)</td>
</tr>
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<td>32 (30)</td>
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<td>4 (4)</td>
<td>.6</td>
<td>802 (735)</td>
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<tr>
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<td>9 (8)</td>
<td>1.1</td>
<td>886 (780)</td>
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<tr>
<td>32 (27)</td>
<td>3.6</td>
<td>7 (5)</td>
<td>.8</td>
<td>756 (631)</td>
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<td>3.9</td>
<td>18 (14)</td>
<td>2.4</td>
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</tr>
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<td>26 (19)</td>
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<tr>
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<td>17 (12)</td>
<td>1.7</td>
<td>830 (572)</td>
</tr>
<tr>
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<td>4.3</td>
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<td>1.7</td>
<td>613 (380)</td>
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<tr>
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<td>15 (9)</td>
<td>2.5</td>
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<tr>
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<td>1.8</td>
<td>843 (453)</td>
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<td>9 (4)</td>
<td>1.0</td>
<td>736 (372)</td>
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<tr>
<td>43 (20)</td>
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<td>4 (2)</td>
<td>.5</td>
<td>745 (350)</td>
</tr>
<tr>
<td>51 (21)</td>
<td>6.9</td>
<td>-2 (1)</td>
<td>.3</td>
<td>789 (327)</td>
</tr>
</tbody>
</table>

The last count, we were committed to more than 100 such efforts.

When one considers that each effort has its own constituency within and, more importantly, outside the Foundation, one can arrive at some understanding of the real and sometimes painful difficulties that underlie any decision to reduce Foundation spending.

Every aspect of our overall work is, in our perhaps biased opinion, reasonably effective—some more than others, but that is the nature of our work. How then, faced with the necessity of reducing spending, does one arrive at the decision to reduce, or eliminate altogether, support for specific areas of work? Is human nutrition more important than human rights? Is helping to create greater economic opportunities for minority youths a more pressing undertaking than helping independent video/film makers gain access to broadcast time?

But the fact remains that in the light of decreasing power of Foundation income, and with anticipated reductions in appropriations, consideration should be given to
the elimination of some program thrusts, the deferral of some projects within other thrusts, and possibly even a reduction in the number of programs.

What are the criteria by which reasonable decisions might be arrived at within the difficult context described above?

Criteria for Establishing Program Priorities

In judging the importance of what we are doing now or propose to do in the future, we believe that we should give priority to those activities that most fully:

- Deal with root causes of human problems in important and understandable ways.
- Promise to contribute significantly and without undue delay to the improvement of the well-being of large numbers of people.
- Allow the Foundation's expertise, credibility, and flexibility, as well as its funds, to be utilized for the benefit of others to a high degree.
- Contribute to the strengthening of institutions and the education and training of individuals so as to enlarge the capacity of less-fortunate people in the poorer lands to cope with their own problems, achieve their own goals, and be involved in determining their own destinies.
- Permit cooperation with other organizations, without unduly sacrificing speed of Foundation response or the quality of the work.
- Offer clearly stated plans and objectives, as well as satisfactory means for assessing their results.
- Sustain the level and quality of the Foundation's international activities—especially fellowships and collaborative projects with developing-country institutions.

What Do We Know That We Can Do?

For America as a nation, the period since World War II has been one of unparalleled growth and prosperity, a time of seemingly limitless choices and possibilities, a time of restless experimentation—intellectual, economic, social, and individual. We are not alone, however, in feeling that the years ahead are likely to be leaner and harder, and that there will be limits, at least in our national perception or imagination, to what is possible or even desirable. If this is so, then we will need to have available to us every lesson learned over the past decades.

Perhaps what this means for The Rockefeller Foundation is that the time has come to focus its support more sharply in fewer areas, to build in proven ways on proven successes that have come out of past years of experimentation by many organizations. I suspect that, collectively, we "know" much more than we realize, that in exploring possibilities we have not had the time to look back to see what has worked, what we know, and what we can learn. In that sense, the years ahead could well be for us and those with whom we cooperate some of the most productive and rewarding in our history.

The Rockefeller Foundation is particularly fortunate to be able to look forward to strong leadership during these years. Last January, the trustees elected Richard W.
Lyman, the president of Stanford University for the past 10 years, as president of the Foundation. Dr. Lyman, an historian, brings to the Foundation an outstanding record as the administrator of a complex organization and great understanding of the forces, scholarly and activist, that are affecting private initiatives toward public goals in turbulent times.

April 1980

Sterling Wortman
GRANTS AND PROGRAMS
EQUAL OPPORTUNITY

The Foundation’s fundamental concern for equality for all goes back to its earliest days through the work of a sister organization, the General Education Board. Historically, the Foundation’s major effort has been to achieve equal educational opportunities for black Americans, particularly in higher education and professional training. Changing times brought programs adapted to new opportunities. Since 1963, extensive additional efforts have been made to strengthen minority leadership, especially in those fields that affect the quality of life for minorities. The accessibility of minority-group students to first-rate universities, the administration of urban school systems, the extension of civil rights, the support of self-help groups in the Southeastern United States, are examples of the many, often substantial programs that were supported.

The overall objective of the program has remained unchanged: it is to secure, protect, and expand the opportunity for blacks and other racial minorities to achieve social, educational, and economic progress in American society.

The major components of the program in 1979 were:
- Urban problems: youth employment;
- Minority-group participation in the development of the Southeast;
- Leadership development;
- Securing and protecting basic rights.

URBAN PROBLEMS: YOUTH EMPLOYMENT

Over the past year, trustees and officers have given continuing consideration to placing a greater emphasis on the attainment of economic opportunities for minorities. A start was made in the perplexing and deeply troublesome area of minority-youth employment. The present threat of one or more generations of young, urban blacks and Hispanics living out their lives with either no jobs or only marginal employment is one that requires the most serious attention of public and private leadership.

GRANTS:

BRANDEIS UNIVERSITY, Waltham, Massachusetts, to review effective youth employment and education programs. $34,283

JOBS FOR DELAWARE GRADUATES, Wilmington, Delaware, for a program of employment counseling, skills training, and job placement for in-school youth. $300,000

NATIONAL BUREAU OF ECONOMIC RESEARCH, Cambridge, Massachusetts, for research on the employment problems of minority-group youth. $300,000
NATIONAL COMMISSION FOR EMPLOYMENT POLICY, Washington, D.C., to support a series of seminars on employment policy.

OPPORTUNITIES INDUSTRIALIZATION CENTERS OF AMERICA, Philadelphia, Pennsylvania, to prepare an agenda paper for a national youth advocacy meeting.

PUERTO RICAN MIGRATION RESEARCH CONSORTIUM, New York, New York, to conduct a study on Puerto Rican employment.

ROBERT TANNENWALD, Cambridge, Massachusetts, for a study, "The Net Employment Impact and the Determinants of the Utilization of the Federal Employment Tax Credit."

WORK IN AMERICA INSTITUTE, Scarsdale, New York, to support research on job strategies for urban youth.

MINORITY-GROUP PARTICIPATION IN THE DEVELOPMENT OF THE SOUTHEAST

The objective of this program component is to improve the lives and circumstances of minority-group persons by increasing their participation in the affairs and enterprises of the Southeastern United States. As part of this goal, the Foundation supports selected community-based organizations and is fostering a consortium of predominantly black colleges that will be able to promote such socioeconomic development in the region.

GRANTS:

ATLANTA UNIVERSITY, Atlanta, Georgia, for support of research on the relationship among changes in political and economic participation, social conditions, and socioeconomic well-being of black citizens in the Black Belt of the South.

COOPERATIVE LEAGUE FUND, Washington, D.C., to develop a program to involve land-grant colleges in considerations relating to a National Consumer Cooperative Bank.

SPELMAN COLLEGE, Atlanta, Georgia, to establish a child development and family studies center.
LEADERSHIP DEVELOPMENT

The Foundation supports efforts that provide selected minority-group individuals with opportunities for advanced study and practical leadership experience in such fields as education and community development.

GRANTS:

ATLANTA UNIVERSITY, Atlanta, Georgia, in support of the new position of administrator-in-residence for the improvement of the university. $22,000

GEORGE WASHINGTON UNIVERSITY, Washington, D.C., in support of its Educational Policy Fellowship program. $110,667

LATINO INSTITUTE, Chicago, Illinois, in support of its leadership-development training program. $100,000

NAACP SPECIAL CONTRIBUTION FUND, New York, New York, for a conference on leadership-development mobilization. $19,489

PROJECT AWARENESS, Washington, D.C., to expand its program designed to improve the education of high-school-age students. $12,000

A. PHILIP RANDOLPH EDUCATIONAL FUND, New York, New York, in support of its Trade-Union Intern program. $35,000

SOUTHERN UNIVERSITY, Baton Rouge, Louisiana, to support an agriculturally based, rural-development program. $74,200

URBAN LEAGUE OF GREATER LITTLE ROCK, Little Rock, Arkansas, in support of the Arkansas Minority Community Training and Leadership Development Project. $102,424

SECURING AND PROTECTING BASIC RIGHTS

A selected number of organizations receive Foundation support for activities that help to secure and protect the basic rights of all citizens, especially those of minority groups, and that seek to overcome the effects of past racial discrimination. A new Foundation undertaking is a national fellowship plan for minority-group scholars in the social sciences and humanities whose research is relevant to these goals.
AMISTAD RESEARCH CENTER, New Orleans, Louisiana, for operating expenses and cataloging manuscripts. $25,000

JACK BASS, Columbia, South Carolina, to enable him to complete a study and write a book entitled The Role of the Fifth Circuit Court of Appeals in Reshaping America. $20,000

ANNA A. HEDGEMAN, New York, New York, for a study of contributions of black women to American society, especially in the area of civil rights. $25,000

LAWYERS' COMMITTEE FOR CIVIL RIGHTS UNDER LAW, Washington, D.C., in support of its North Carolina Municipal Services Project. $300,000

MANNING MARABLE, Tuskegee, Alabama, to conduct research and write a history of the Tuskegee Institute from 1881 to the present. $33,500

MEXICAN AMERICAN LEGAL DEFENSE AND EDUCATIONAL FUND, San Francisco, California, toward the cost of its equal employment opportunity program. $500,000

MICHIGAN STATE UNIVERSITY, East Lansing, Michigan, for an evaluation of the impact of desegregation in the New Castle County schools. $300,000

MILLSAPS COLLEGE, Jackson, Mississippi, to support a conference commemorating the 15th anniversary of the Mississippi Freedom Summer Project of 1964. $15,000

NAACP LEGAL DEFENSE AND EDUCATIONAL FUND, New York, New York, for a conference on the Brown v. Board of Education decision. $10,000

NATIONAL COMMISSION ON THE INTERNATIONAL YEAR OF THE CHILD, 1979, Washington, D.C., to conduct forums and seminars for minority-group members on issues of cultural diversity and equal opportunity as they affect children. $22,000

ROCKEFELLER FOUNDATION RESEARCH FELLOWSHIPS FOR MINORITY-GROUP SCHOLARS

The purpose of this project is to enable outstanding minority-group men and women to undertake policy-oriented social science and humanistic research on issues of high priority affecting minority citizens. In 1979, the following individuals received fellowships:

MARY MONTLB BACON, East Palo Alto, California
FRANK BROWN, Buffalo, New York
JOHN D. BRUCE-NOVOA, New Haven, Connecticut
RODOLFO O. DE LA GARZA, Colorado Springs, Colorado
ROBERT L. HARRIS, JR., Ithaca, New York
DARLENE CLARK HINE, Lafayette, Indiana
GLORIA T. HULL, Newark, Delaware
ANTHONY G. LOZANO, Boulder, Colorado
SAMUEL L. MYERS, JR., Austin, Texas
CLEMENTINE CHRISTOS RABASSA, New York, New York
HANES WALTON, JR., Savannah, Georgia
YEN LU WONG, San Diego, California

Rockefeller Foundation, New York, New York, for an international conference on the issues and needs relevant to black communication. $25,000

Rockefeller Foundation, New York, New York, for a conference, "The Impact of the Bakke Decision." $25,000

Southern Education Foundation, Atlanta, Georgia, to monitor the impact of the Adams decision on black colleges. $25,000
THE ARTS, THE HUMANITIES & CONTEMPORARY VALUES

THE ARTS

Since 1956, the Foundation has maintained an active program in the arts, particularly the performing arts. Its major activities during the decade of the 1970’s included creating a playwrights-in-residence program, establishing experimental centers for the development of video-art and documentary productions, setting up a nonprofit corporation devoted to recording and disseminating American music throughout the world, and developing a yearly international competition for performing artists to promote interest in the works of American composers.

The Arts program makes grants within the following areas:

- Support of the creative individual
- Increasing international opportunities for the arts
- Exploration of issues involving the arts and American society

SUPPORT OF THE CREATIVE INDIVIDUAL

The Foundation is continuing to help promising individuals at key stages in their careers. It implements this course through grants made directly to artists for their creative work or to institutions on their behalf. Minority groups figure importantly in these awards.

GRANTS:

- **American Dance Festival**, Durham, North Carolina, toward the costs of its workshop program. $15,000
- **Atlas Theatre Company**, New York, New York, in support of an international theatre project. $20,000
- **Aurora Music Foundation**, New York, New York, for preparatory projects for the opera *Satyagraha*. $10,200
- **Ros Barron**, Brookline, Massachusetts, toward the costs of her creative work in video. $9,000
- **Bay Area Video Coalition**, San Francisco, California, for expanding its editing facilities and developing pilot television programs by independent producers for public television. $100,000
- **Stephen Beck**, Berkeley, California, to enable him to devote time to his creative work in video. $19,000
DAVID LOWRY BURGESS, environmental artist, Cambridge, Massachusetts, to enable him to devote time to his artistic work.

MARTHA CLARKE, choreographer, Washington, Connecticut, to continue her creative work in dance.

COMMITTEE ON POETRY, New York, New York, to support a summer program of poetics in Colorado.

COMPETITIVE AWARDS FOR PERFORMERS OF AMERICAN MUSIC

Designed to encourage the performance, by artists from the United States and abroad, of works by American composers, these competitions are held once a year. Taking place at the John F. Kennedy Center for the Performing Arts in Washington, D.C., the first competition, in 1978, was devoted to piano music; the second, in 1979, to vocal music. In 1980, the competition will be for violinists.

COOPERATIVE ARTIST-IN-RESIDENCE PROGRAM

In 1978, Foundation trustees approved a three-year appropriation for an artist-in-residence program, jointly administered by three institutions in Winston-Salem, North Carolina: North Carolina School of the Arts, Southeastern Center for Contemporary Art, and Wake Forest University.

JAMIE DAVIS, Pickens, South Carolina, to support his creative work in ceramics.

DOWNTOWN COMMUNITY TELEVISION CENTER, New York, New York, for improving its editing facility.

KIT FITZGERALD, New York, New York, to enable her to devote time to her creative work in video.

HACKLEY SCHOOL, Tarrytown, New York, toward the costs of a workshop on American music, by pianist Donna Coleman.

HALEAKALA, New York, New York, for the production of Private Parts, a music play for voice and instruments in a video environment, composed by Robert Ashley.

ARAWANA HAYASHI, choreographer, and composer GERALD GRANELLI, Boulder, Colorado, to enable them to collaborate on new works for performance.

JOSHUA HOFFMAN, New York, New York, to enable him to devote time to his creative work in sculpture.
DAVID HYKES, New York, New York, for his creative work in music. $10,000

IMAGES, A FESTIVAL OF THE ARTS, New Smyrna Beach, Florida, to implement an artists-in-residence program. $15,000

JUPITER SYMPHONY OF NEW YORK, Westchester, New York, to support its first season of orchestral and chamber-music concerts. $35,000

KINEHOLISTICS FOUNDATION, New York, New York, to enable artist Wendy Clarke to devote time to her video project. $10,000

BONNIE KOZEK, Venice, Italy, and LLOYD CROSS, San Francisco, California, to enable them to collaborate on a holographic film. $15,000

SHIGEKO KUBOTA, New York, New York, to support her creative work in video. $10,000

LEAGUE OF COMPOSERS—INTERNATIONAL SOCIETY FOR CONTEMPORARY MUSIC, U.S. SECTION, New York, New York, toward the costs of a concert featuring American music and performers distinguished at the 1978 John F. Kennedy Center–Rockefeller Foundation Piano Competition. $8,000

ROBERT MACBETH, New York, New York, to enable him to devote time to a theatre documentation project. $3,000

MAGIC THEATRE, San Francisco, California, to develop new works in theatre by playwright Sam Shepard. $30,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Massachusetts, for a program of artists-in-residence fellowships at its Center for Advanced Visual Studies. $121,000

ANN McMILLAN, New York, New York, to enable her to devote time to her creative work in music. $9,000

NEGRO ENSEMBLE COMPANY, New York, New York, to strengthen the institution. $20,000

NEW FEDERAL THEATER, New York, New York, toward the costs of a production of Initiations and other special productions. $5,500

NEW YORK SHAKESPEARE FESTIVAL, New York, New York, to stage productions of its soundrama compositions Wake Up, It’s Time to Go to Bed, and Multinationals and the Heavens. $15,000

ORIGINAL BALLETS FOUNDATION, New York, New York, to enable American choreographer Eliot Feld to continue his creative work through the Feld Ballet. $175,000

ALVIN H. PERLMUTTER, filmmaker, New York, New York, to conduct research for a visual program on Chinese Bronze Age art, in collaboration with Louis Solomon, writer. $3,050

REICH MUSIC FOUNDATION, New York, New York, to assist its creative work with composer Steve Reich. $23,000

RESEARCH FOUNDATION OF THE STATE UNIVERSITY OF NEW YORK, Albany, New York, to enable artists from several fields to create television programming and to help the SUNY system become a producer of broadcast television works. $156,000

Rockefeller Foundation Fellowship Program for Playwrights
This program includes two categories of annual awards. In the first, playwrights are selected on the basis of outside nominations and the recommendations of an independent committee of professionals. Winners receive stipends of $9,000 for a one-year period. That sum is administered by a producing theatre designated by the playwright, with the agreement that he or she will spend a minimum of six weeks in residence. An additional $4,000 is available to the theatre for preproduction costs of the playwright’s work. Women and minority-group members have consistently constituted a significant proportion of the award recipients.

The second category of awards consists of $2,500 in stipends to playwrights chosen by selected small, regional theatres, along with $1,000 to the theatre for its related costs. This segment of the program emphasizes the discovery and nurturing of new artists outside the New York area.

1979 Playwright Awardees
Lee Breuer, New York, New York
Horace “Steve” Carter, Jr., Rego Park, New York
J. E. Franklin, New York, New York
Elizabeth LeCompte and Spaulding Gray, New York, New York
Lavonne Mueller, DeKalb, Illinois
Jeff Weiss, New York, New York
Ron Whyte, New York, New York
Wakako Yamauchi, Gardena, California
1979 Regional Theatre Awards

ACTORS THEATRE OF LOUISVILLE, Louisville, Kentucky
DALLAS THEATRE CENTER, Dallas, Texas
EAST-WEST PLAYERS, Los Angeles, California
INTERNATIONAL ARTS RELATIONS, New York, New York
LOS ANGELES ACTORS THEATRE, Los Angeles, California
MAGIC THEATRE, San Francisco, California
OMAHA MAGIC THEATRE, Omaha, Nebraska
ST. NICHOLAS THEATRE COMPANY, Chicago, Illinois
FRANK SILVERA WRITERS' WORKSHOP, New York, New York
THEATRE X, Milwaukee, Wisconsin

ROCKEFELLER FOUNDATION FELLOWSHIPS IN AMERICAN ART HISTORY

In 1976, the Foundation's trustees approved a program for fellowships in American art history, sponsored jointly by the Arts and Humanities programs. The purpose of these fellowships is to stimulate research in pre-20th-century American art by doctoral candidates enrolled at a selected group of 10 universities. As of this year, 33 individuals have been selected to receive major fellowship awards and 42 have been selected for smaller grants for research assistance and travel at each of the following 10 institutions. The following individuals were selected during 1979:

BOSTON UNIVERSITY
Major Fellowship Awards
PATRICIA BERNHAM—the religious paintings of Benjamin West, Washington Allston, John Trumbull, and their circles: a study in meaning and patronage.

CITY UNIVERSITY OF NEW YORK—GRADUATE CENTER
Research and Travel Awards
MARCIA B. WALLACE—the influence of Joseph Mallord William Turner on American painters of the 19th century.
SARA B. WEBSTER—the art of William Morris Hunt.

COLUMBIA UNIVERSITY
Major Fellowship Awards
BETH GARRITY ELLIS—Boston intellectual and art circles in the 1840's.

Research and Travel Awards
MARTHA LUFT—American art of the frontier: 1830-1880.

UNIVERSITY OF CALIFORNIA, LOS ANGELES
Major Fellowship Awards
FRANCIS J. MARTIN, JR.—the black image in American illustration—1850-1930.

PHYLLIS PEET—the emergence of American women as print-makers in the 19th century.
Research and Travel Awards

Janet Bergstrom—a study of narrative and stylistic conventions important to the American cinema of the thirties, forties, and fifties known as the classical American cinema.

Katherine S. Hight—a study of John Sloan and the William Glackens illustrations of the novels of Paul D. Kock done by them in the years 1902-1906.

Phyllis Peet—the emergence of American women as print-makers in the 19th century.

Robert Tracy—John Parkinson and the rise of the Beaux-Arts City Beautiful movement in Southern California.

University of Delaware
Research and Travel Awards

Betsy Fahlman—the art of Guy Pène Du Bois.

University of Michigan, Ann Arbor
Research and Travel Awards

Matthew Rohn—visual dynamics in Jackson Pollock's art.

University of North Carolina, Chapel Hill
Major Fellowship Awards


Research and Travel Awards


Linda Docherty—for the preparation of an exhibition: "Winslow Homer and the Wood Engraving."

Linda Docherty, Deborah A. Herbert, Ruth Little-Stokes, Caroline Mesrobian, and Claudia Roberts—to visit and survey the research facilities at museums of early Southern decorative arts—Winston-Salem. Also to tour Williamsburg, Philadelphia, Charleston, and Savannah.

University of Pennsylvania
Major Fellowship Awards

Martha Hamilton—Benjamin West and neoclassical portraiture.

Research and Travel Awards

David Bahlman—competition for the building for the Centennial Exposition in Philadelphia of 1876.
Major Fellowship Awards

EDWARD R. KELLEY—the early works and philosophy of Mark Tobey.

Research and Travel Awards

SUSAN CARMALT—concepts of modernism in art criticism and art in New York in the 1920's.

EMILY FOURMY CUTRER—portraits of ladies: the iconography of women in American painting—1870-1913.

Rockefeller Foundation Fellowships in Training in Museum Education

In the early 1970's, as demand grew for greater public access to arts institutions, it became evident that there was a need for training programs that would blend the curatorial aspects of museum work with the sociological and educational aspects. The Foundation responded by devising, in 1972, a program of fellowships to train professionals in museum work. As of this year, 88 fellows have been trained at the four participating institutions: the Metropolitan Museum of Art, New York; the Walker Art Center, Minneapolis; the Dallas Museum of Fine Arts; and the M. H. de Young Memorial Museum, San Francisco.

de Young Museum (1979-1980)
CLEVELAND BELLOW, California
JOSE MARIA BUSTOS, California
WANDA CHIN, California
MICHAEL FREED, California
GAIL GORTON, California
SUSAN KARE, New York
GUY MCELROY, Utah
ANNE WILSON, Michigan

Metropolitan Museum of Art (1979-1980)
LANEY DUNN, Tennessee
CAROLYN OWERKA, Massachusetts

 JOHN SANBORN, New York, New York, to enable him to devote time to his creative work in video. $10,000

LOUIS SOLOMON, writer, New York, New York, to conduct research for a visual program on Chinese Bronze Age art, in collaboration with Alvin H. Perlmutter, filmmaker. $3,050

Theatre Incorporated, New York, New York, for use by the Phoenix Theatre toward the costs of a program of new works for theatre. $5,000

University of California, San Diego, California, to establish a computer-music facility at the Center for Music Experiment and Related Research. $150,000
The Rockefeller Foundation, New York, New York, for the costs of its projects.

WGBH Educational Foundation, Boston, Massachusetts, for the WGBH New Television Workshop's projects aimed at bringing the work of independent artists and producers to public television.

Charles Wuorinen, composer, New York, New York, to enable him to devote time to research and creative work in music.

Increasing International Opportunities for the Arts

Other countries are eager for greater access to United States artists and their work, even as the United States is offering an increasingly hospitable environment for creative artists from other cultures.

This component of the Arts program focuses on organizations that are initiating performing and visual-arts programs, or workshops, or are undertaking foreign tours that stress collaboration with host-country artists and students, as well as audience involvement.

Grants:

American Center for Students and Artists, Paris, France, for a program of residencies for American artists and to support its Spring Festival, 1979.


Chimera Foundation for Dance, New York, New York, for the residency of the Murray Louis Dance Company at the Laban Centre for Movement and Dance at the University of London Goldsmiths' College.

Corporation for Public Broadcasting, Washington, D.C., to continue its support of INPUT, an annual international public-television screening conference.


La Mama Experimental Theater Club, New York, New York, to prepare an existing facility for use by its project "The Third World Institute of Theatre Arts and Sciences."

$35,000

$90,000

$21,000

$2,411,000

$26,000

$15,000

$25,000

$17,000

$15,700

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EXPLORATION OF ISSUES INVOLVING 
THE ARTS AND AMERICAN SOCIETY

Issues related to the arts, often of considerable importance to society at large, at 
times fail to gain attention through lack of an organization to serve as advocate.

GRANTS:

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<th>Organization</th>
<th>Amount</th>
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<tr>
<td>Dartmouth College, Hanover, New Hampshire</td>
<td>$22,500</td>
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<td>to enable Professor Charles Hamm to prepare a textbook</td>
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<td>on the history of the United States as seen through its</td>
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<td>music.</td>
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<td>Foundation for Independent Video and Film, New York,</td>
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<td>New York, for the costs of a conference involving</td>
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<td>directors of media centers.</td>
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<td>Hospital Audiences, New York, for publicizing the</td>
<td>$8,500</td>
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<td>availability of a free publication on the use of the</td>
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<td>arts as therapy.</td>
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<td>Institute of the American Musical, New York, for the</td>
<td>$25,000</td>
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<td>costs of relocating its archive from New York to Los</td>
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<td>Angeles.</td>
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<td>New York University, New York, toward the costs of</td>
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<td>implementing a graduate program in interactive</td>
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<td>telecommunications at its School of the Arts.</td>
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<td>Eugene O'Neil Memorial Theater Center, Waterford,</td>
<td>$15,000</td>
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<tr>
<td>Connecticut, toward the costs of the National Theater</td>
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<td>Institute.</td>
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<td>Rockefeller Foundation, New York, New York, for costs</td>
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<td>of a seminar conference on independent television</td>
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<td>purpose of promoting telecommunications diversity in</td>
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THE HUMANITIES AND CONTEMPORARY VALUES

Clarification of contemporary human and social values remains the principal objective of the Humanities program. Humanists are encouraged to deepen our understanding of the past, assess the ideals of the world we live in, explore ethical values, and preserve and revitalize our American cultural heritage by studying neglected areas of cultural and social history. Humanists are encouraged also to provide a humanistic perspective on key contemporary issues.

The Foundation makes a modest effort to support cultural and educational projects in television and film directly related to humanities objectives, as well as studies of television and film as a social and cultural force.

In 1979, the Humanities and Contemporary Values program made grants within the following areas:

- Contemporary values
- Contemporary issues in humanistic perspective
- American cultural heritage

CONTEMPORARY VALUES

In 1979, the Foundation made grants to support humanistic research and scholarship to help clarify the fundamental goals, beliefs, and values of a changing society.

GRANTS:

Academy of Judaic, Christian, and Islamic Studies, Anaheim, California, to conduct interreligious dialogues in universities in Egypt and Israel on the shared values of Judaism, Christianity, and Islam. $10,000

American Film Institute, Washington, D.C., for an institute to introduce younger humanists, who use film in their courses, to the processes of filmmaking. $34,900

American Historical Association, Washington, D.C., toward the cost of constitutional studies and conferences under Project 87, a special program focused on the bicentennial of the U.S. Constitution in 1987. $200,000

Asia Society, New York, New York, to hold a conference and compile a comprehensive bibliography on Western-language fiction set in Asia. $25,000

Ronald Berman, San Diego, California, to facilitate the completion of a study of the National Endowment for the Humanities and its role in the nation’s cultural life. $6,000

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Columbia University, New York, New York, for use by the Council on European Studies to support interdisciplinary humanistic research on significant issues in contemporary European culture. $20,000

Hampshire College, Amherst, Massachusetts, in support of its senior fellows emeriti program. $17,500

Indiana University, Bloomington, Indiana, for use by its Research Center for Language and Semiotic Studies for contributions to the Encyclopedic Dictionary of Semiotics. $10,000

Nicolae Margineanu, Rumania, to conduct research in the United States on science, psychology, and human nature. $9,385

New York University, New York, New York, toward the costs of its Gallatin Division's Writers at Work series, a program of seminars on contemporary writers. $25,000

Rockefeller Foundation, New York, New York

Established in 1974, the Humanities fellowships awards are designed to support humanistic scholarship intended to illuminate and assess the social and cultural problems of the contemporary world. In addition, the Foundation awards a limited number of fellowships under this program for the investigation of humanistic perspectives on human rights in the contemporary world.

In 1979, the trustees appropriated $700,000 for continuation of the Fellowships in the Humanities program. At the recommendation of an outside panel of distinguished humanists, the following awards were made:

Fellowships in the Humanities

Kurt Baier, professor of philosophy, University of Pittsburgh—the moral order: individual and group morality.

Brian Michael Barry, professor of philosophy and political science, University of Chicago—distributive justice, equal opportunity, and reciprocity in an international framework.

Daniel P. Biebuyck, H. Rodney Sharp Professor of Anthropology, University of Delaware—the arts of Central Africa: African society and art forms.

Lee C. Bollinger, Jr., professor of law, University of Michigan—concepts of freedom of speech and press in modern society: the premises underlying the First Amendment.

Patricia V. Bonomi, professor of history, New York University—the formation of an American religious culture: early religious traditions and emerging social and political values.
BERNARD E. BROWN, professor of political science, the Graduate School, City University of New York—modernization, freedom, and the French left.

STANLEY CAVELL, professor of philosophy, Harvard University—nostalgia in film and philosophy.

PETER J. CAWS, professor of philosophy, Hunter College and the Graduate School, City University of New York—a theory of social structure: individual and collective entities.


PAUL D. ESCOTT, assistant professor of history, University of North Carolina, Charlotte—race, class, and the Southern social order: North Carolina from Old South to New South.

JOSEPH FRANK, professor of comparative literature, Princeton University—Dostoevsky, exile and return, 1850-1864: the novelist and moral values.

PETER GAY, Durfee Professor of History, Yale University—the bourgeois century: a psychoanalytic perspective on 19th-century Europe.

EUGENE D. GENOVESE, professor of history; ELIZABETH FOX-GENOVESE, associate professor of history, University of Rochester—Marxism and history: Marxist ideology in the light of historical experience.

VINCENT HARDING, chairman, Institute of the Black World, Atlanta, Georgia—a history of the black struggle for freedom in America, 1876-1976.

DOLORES HAYDEN, associate professor of architecture, University of California at Los Angeles—housing design and feminism, 1850 to the present.

ARLENE HEYMAN, M.D., private practice of psychiatry, New York—psychological factors affecting creativity in women writers.

HERBERT HOVENKAMP, instructor in American studies, University of Texas, Austin—American law as an instrument of social policy, 1880-1940: individual rights and social values.

FRANCIS ABIOLA IRI-EI, professor of French, University of Ibadan, Nigeria—the historical consciousness in contemporary black literature, African, Caribbean, and Afro-American.

KONRAD H. JARAUSCHI, professor of history, University of Missouri—a betrayal of humanism: students, society, and politics in imperial Germany.

STEWART JUSTMAN, assistant professor of English, University of Montana—language management and moral values: censorship, propaganda, and semantic distortion in a depersonalized world.
MARK KESSELMAN, professor of government, Columbia University—capitalism, socialism, and democracy: contrasts in labor movements and left parties in France and the United States.

CLAUDIA KOONZ, associate professor of history, College of the Holy Cross—women in Germany, 1914-1945: depression, dictatorship, and war.

STANLEY I. KUTLER, professor of history, University of Wisconsin—political justice and the cold war: nine case studies.

ROLAND C. MARCHAND, associate professor of history, University of California at Davis—refracted images: social values and cultural iconography in American advertising, 1925-1935.

RICHARD W. MILLER, assistant professor of philosophy, Cornell University—contemporary society and ethics: rights, utility, and social conflict.

ROBERT LAURENCE MOORE, professor of history, Cornell University—religious pluralism: outsider status in the American experience.

ROBERT NOZICK, professor of philosophy, Harvard University—philosophical explanations: an inquiry into objective value.

BARBARA G. ROSENKRANTZ, professor of the history of science, Harvard University—physicians to the insane: the American antebellum asylum.

HARRY N. SCHEIBER, professor of history, University of California at San Diego—economic individualism and public rights: values in law and public policy, 1790-1978.

MICHAEL SCHUDSON, assistant professor of sociology, University of Chicago—the mass media and credibility in contemporary society.

TOM E. TERRILL, associate professor of history, University of South Carolina—Southern mill workers, 1800-1978: a social and economic history.

HENRY A. TURNER, JR., professor of history, Yale University—German big business and the rise of Nazism.

MARK TUSHNET, associate professor of law, University of Wisconsin—organizational structure and legal strategy: the NAACP's campaign against school segregation, 1929-1949.

SUSAN WRIGHT, adjunct lecturer in the history of science, University of Michigan—recombinant DNA technology: ethical and political controversy in Britain and America.

FELLOWSHIPS IN HUMAN RIGHTS

CHARLES R. BEITZ, assistant professor of political science, Swarthmore College—human rights in developing societies.
ANTONIO CASSESE, professor of international organization, Faculty of Political Science, University of Florence—divergence in international human rights: developed and developing countries.

JANE LEFTWICH CURRY, research fellow, East Central European Institute, Columbia University—human rights in the context of a socialist state: Poland.

GAIL W. LAPIDUS, assistant professor of political science and sociology, University of California at Berkeley—equality in contemporary theory and practice: a comparison of Soviet and American approaches.

PAUL GORDON LAUREN, associate professor of history, University of Montana—human rights and diplomacy in the 19th and 20th centuries.

THOMAS G. SANDERS, associate, American Universities Field Staff—human rights and political transition: Brazil, a case study.

SOCIETY FOR VALUES IN HIGHER EDUCATION, New Haven, Connecticut, toward costs of a conference entitled "Ethical Decisions in the Management of Public and Private Institutions." $23,000

STATE UNIVERSITY OF NEW YORK, Albany, New York, for the costs of a conference: “Apollo Agonistes: The Humanities in a Computerized World,” sponsored by the Institute for Humanistic Studies. $20,225

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Urbana, Illinois, in support of a study of the history of women engineers in the United States. $29,800

UNIVERSITY OF SANTA CLARA, Santa Clara, California, to support a conference on religious liberty. $21,020

CONTEMPORARY ISSUES IN HUMANISTIC PERSPECTIVE

Here the Humanities and Contemporary Values program seeks to provide an historical, philosophical, and cultural perspective on significant problems confronting society. Under this component, the Foundation encourages humanists to work on major social issues such as biomedical ethics, racism and discrimination, and human rights.

GRANTS:

ASPEN INSTITUTE FOR HUMANISTIC STUDIES, Aspen, Colorado, for the costs of the humanistic component of the Einstein Centennial Symposium, held in Jerusalem. $27,200

COLUMBIA UNIVERSITY, New York, New York, to enable its Center for the Study of Human Rights to establish a research fellowship program on the legal, political, and cultural dimensions of human rights issues. $265,000

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HEALTH-WELFARE-RECREATION PLANNING COUNCIL, Norfolk, Virginia, toward costs of a conference that would involve humanists in a discussion of food and nutrition policy. $5,200

INSTITUTE FOR ADVANCED STUDY, Princeton, New Jersey, to appoint humanistic scholars to take part in a project focused on the processes of social change. $150,000

LOUISIANA STATE UNIVERSITY, Baton Rouge, Louisiana, for research and preparation of a film entitled Television’s Vietnam. $35,000

MACDOWELL COLONY, Peterborough, New Hampshire, to support a program for writers from abroad whose work is hampered by political repression. $35,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Massachusetts, for the costs of a conference organized by the Journal of Interdisciplinary History on the impact of climate upon history. $20,500

NEW YORK UNIVERSITY, New York, New York, to enable its Law School to hold a conference on the teaching of human rights in American law schools, and for a report on its proceedings and preparation of a model syllabus for human-rights courses. $35,000

STATE UNIVERSITY OF NEW YORK, Albany, New York, to support the development of a model program of alternative careers for humanists, under the direction of Dorothy G. Harrison and Ernest J. May. $35,000

UNIVERSITY OF CALIFORNIA, Berkeley, California, for use by the Regional Oral History Office to support an oral history project on John and Caroline Service entitled “Two Views of China and the State Department, 1935-1962.” $4,950

UNIVERSITY OF CALIFORNIA, Santa Barbara, California, in support of its graduate program to train historians in practical research that will provide a humanistic perspective on local, regional, and national issues. $161,500

UNIVERSITY OF CONNECTICUT, Storrs, Connecticut, toward the cost of a conference to reassess the historic patterns of development of the modern industrialized city and its contemporary sources of order and disorder. $12,000

UNIVERSITY OF IOWA, Iowa City, Iowa, for use by its International Writing Program to enable two writers from the People’s Republic of China to participate in the program in 1979. $15,000
The Foundation encourages humanistic exploration of neglected areas of this country’s social and cultural heritage. The objective is to enhance the country’s pride in its diversity as well as its unity by encouraging humanistic research on minority groups, especially black and Hispanic Americans, and in fields such as labor history and women’s studies, often using the techniques of oral history.

**GRANTS:**

**American Dance Festival**, Durham, North Carolina, toward the costs of a series of forums on dance and the humanities. $15,000

**American Historical Association**, Washington, D.C., for a report on the state of contemporary historical writing and scholarship in the United States, to be presented at the 15th International Congress of Historical Sciences. $35,000

**California State University**, Long Beach, California, for the costs of an oral history project, under the direction of Sherna Gluck, on working women, focusing on women who worked in defense industries during World War II. $35,000

**Columbia University**, New York, New York, for use by Professor Richard B. Morris to complete the final two volumes of the collected John Jay papers. $12,850

**Consumers Union Foundation**, Mount Vernon, New York, toward support of oral history projects and archival development in its Center for the Study of the Consumer Movement. $22,400

**Cultural Council Foundation**, New York, New York, for use by the Cabin Creek Center for support of a film directed by Barbara Kopple on social change and labor organization in the Southern textile industry. $20,270

**Barbara Lee Diamonstein**, New York, New York, to prepare a series of video-taped interviews of prominent American architects. $23,000

**Frederick Douglass Museum of African Art**, Washington, D.C., to support its community outreach activities. $35,000

**Kenneth Fink**, New York, New York, toward the costs of a film and oral history project on a West Virginia mining community. $10,000

**Frontier Nursing Service**, Hyden, Kentucky, toward the costs of its oral history project (in cooperation with the Population and Health program). $2,000
DAVID GREMP, Homewood, Illinois, for a photographic and oral history of small, family-owned American businesses. $17,000

JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, for a symposium on the 50th anniversary of the Institute of the History of Medicine (in cooperation with the Population and Health program). $15,000

KENT STATE UNIVERSITY, Kent, Ohio, for the collection and preservation of archival materials of Hungarian, Rumanian, and other American immigrant groups. $5,990

NEW YORK UNIVERSITY, New York, New York, for use by the Robert F. Wagner Labor Archives in support of an oral history project and for archival development. $34,850

JOSEF PIŁSUDSKI INSTITUTE OF AMERICA, New York, New York, for the development of archives on Polish-American history, 1914-1970. $22,000

RADCLIFFE COLLEGE, Cambridge, Massachusetts, to enable the Schlesinger Library to expand and complete an oral history project on black women active in their communities in improving the lives of black people. $33,850

UNIVERSITY OF ALABAMA, University, Alabama, to support the development of its ethnic-minority archival material. $25,000

UNIVERSITY OF CHICAGO, Chicago, Illinois, for a research project on the history of private foundations and public policy formulation in the United States. $94,000

YALE UNIVERSITY, New Haven, Connecticut, for a project directed by Vivian Perlis for an oral history of Duke Ellington. $21,600
CONQUEST OF HUNGER

The Foundation’s Conquest of Hunger program seeks to improve the ability of nations to themselves produce the food their populations require and also to assist them in insuring that the food reaches those who need it.

Established in 1943 with agricultural projects initiated in Mexico, the program currently operates worldwide on several levels. At the request of governments, it provides field personnel to assist in the development of locally adapted technology and the training of local scientists and technicians. It also helps support a network of autonomous agricultural research centers situated throughout the developing world. In the United States and abroad, the program provides grants to institutions for advanced agricultural research, and awards fellowships to men and women of outstanding promise in the field of agriculture.

During 1979, the Foundation, through its Conquest of Hunger program, followed four guidelines:

- Increasing food production: strengthening the international agricultural research and development system
- Strengthening agricultural research
- Utilization of fragile environments and marginal lands
- Food and agricultural policy

INCREASING FOOD PRODUCTION: STRENGTHENING THE INTERNATIONAL AGRICULTURAL RESEARCH AND DEVELOPMENT SYSTEM

The Foundation in 1979 continued to support two recently established organizations. One, the International Agricultural Development Service, provides assistance to countries in their efforts to accelerate agricultural and rural development. Another, the International Center for Living Aquatic Resources Management, focuses on programs to increase food production from the aquatic environment.

The Foundation also made grants to further specific agricultural research projects and to support several international agricultural research centers working actively in research, training, and rural development in the tropics and subtropics.

GRANTS:

Asociacion para el Desarrollo, Santo Domingo, Dominican Republic, toward the costs of a conference on energy and agriculture in the Caribbean area (in cooperation with the International Relations program).

$6,000

Aspen Institute for Humanistic Studies, Boulder, Colorado, for research on private/public cooperation in Third World agricultural and rural development.

$25,000
Centro Agronomico Tropical de Investigacion y Ensenanza, Turrialba, Costa Rica, toward costs of reconstruction of facilities and equipment. $30,000

Centro de Investigacion y Desarrollo de la Educacion, Santiago, Chile, to strengthen the education and practical experience of rural students, families, and communities in Puertozuelo, Chile. $30,000

Comite Permanent Interetats de Lutte Contre la Secheresse dans le Sahel, Ouagadougou, Upper Volta, toward the costs of a regional coordinator for a Sahel Food Corps program. $28,700

Cornell University, Ithaca, New York, in support of interdisciplinary research on increasing rice production in Asia under a cold-temperature constraint. $13,220

Fundacion para la Educacion Superior, Cali, Colombia, for a conference on propagation of the benefits of development to the small farmer. $6,500

International Agricultural Development Service, New York, New York, for continuation of technical assistance and supporting services to help developing countries strengthen their capabilities for improving food and agricultural production. $1,000,000

International Center for Living Aquatic Resources Management, Manila, Philippines

For continuing support of its programs to assist less-developed countries in increasing their production of food from aquatic sources. $700,000

Toward support of a conference on the biology and culture of tilapia. $23,900

International Center of Tropical Agriculture, Palmira, Colombia, an international agricultural research center, toward core support to develop improved agricultural technology to increase the quality and quantity of basic food commodities in the tropics, particularly cassava, field beans, rice, and beef. $300,000

International Fertilizer Development Center, Florence, Alabama, for research on the use of phosphate fertilizers in Colombia. $34,500

International Laboratory for Research on Animal Diseases, Kabete, Kenya, an international agricultural research center, toward core support for its research in the development of effective and economically viable measures to control trypanosomiasis and theileriosis, cattle diseases seriously limiting livestock production in Africa. $300,000

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INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER, Texcoco, Mexico, an international agricultural research center, toward core support of its programs to develop superior germ plasm of maize and wheat in order to provide higher and more stable yields and better nutritional quality in these crops.

$400,000

INTERNATIONAL RICE RESEARCH INSTITUTE, Los Baños, Philippines, an international agricultural research center

Toward core support for research to increase rice production. $200,000

Toward costs of a visit to IRRI and the University of the Philippines, Los Baños, of administrators and rice scientists from the People's Republic of China. $9,000

MID-EAST WHEAT RESEARCH AND TRAINING PROGRAM, Ankara, Turkey, in support of research on wheat improvement in Turkey and other Middle East regions. $34,880

SOUTHEAST ASIAN RESEARCH CENTER FOR GRADUATE STUDY AND RESEARCH IN AGRICULTURE, College, Laguna, Philippines, to support a meeting of the International Federation of Agricultural Research Directors. $8,921

THESSALONICA AGRICULTURAL AND INDUSTRIAL INSTITUTE, Thessalonica, Greece, to establish a course on improved management practices among small farmers in Greece. $9,000

UNIVERSITY OF WISCONSIN, Madison, Wisconsin, for use by the Space Science and Engineering Center to complete the design and construction of a meteorological satellite data-receiving system and to transport it to Nigeria. $6,700

STRENGTHENING AGRICULTURAL RESEARCH

The Foundation encourages innovative research that is important to the alleviation of hunger. In 1979, it provided support for research on immunity to hemoparasitic diseases in livestock; new dimensions in plant breeding, plant physiology, and plant resistance to diseases and insects; and the reproductive physiology and nutrition of fish.

GRANTS:

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, Ithaca, New York

Toward support of a workshop on insect pest management with microbial agents. $35,000

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Toward research on susceptibility, vulnerability, and tolerance in plants.

BRAZILIAN SOCIETY FOR INSTRUCTION, Rio de Janeiro, Brazil, toward preparation of the report of a seminar on the role of women in the labor force in Latin America, with particular reference to rural development. $22,000

CENTRAL LUZON STATE UNIVERSITY, Muñoz, Nueva Ecija, Philippines, to enable the Freshwater Aquaculture Center to conduct genetic studies of pure lines and interspecies hybrids of tilapia. $23,150

CONGREGACAO MARIANA UNIVERSITARIA, Salvador, Bahia, Brazil, toward the development of artisan fishermen communities. $15,000

INSTITUTO INTERAMERICANO DE CIENCIAS AGRICOLAS, San José, Costa Rica, for research on Latin American agricultural systems. $10,080

INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY, Monterrey, Mexico, to establish a master’s degree program in agricultural research station management. $250,000

INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY, Nairobi, Kenya, toward support of research on the immunology of ticks. $35,000

INTERNATIONAL LABORATORY FOR RESEARCH ON ANIMAL DISEASES, Kabete, Kenya, for a symposium-course on the immunology of animal parasites. $25,000

INTERNATIONAL RICE RESEARCH INSTITUTE, Los Baños, Philippines, to organize, together with the International Union of Pure and Applied Chemistry, the CHEMPRAWN II conference, “Chemical Research and Its Application to the World’s Expanding Food Needs.” $25,000

KANSAS STATE UNIVERSITY, Manhattan, Kansas, toward research by the plant pathology department on in vitro culture of protoplasts of cassava and sweet potatoes. $25,000

McGILL UNIVERSITY, Montreal, Canada, toward research on identification and characterization of plant genes in symbiotic nitrogen fixation. $34,200

PENNSYLVANIA STATE UNIVERSITY, University Park, Pennsylvania, for research on plant disease management. $35,000

UNIVERSITY OF ARIZONA, Tucson, Arizona, toward the collection and preservation of the germ plasm of potentially useful salt-tolerant plant species. $39,322
UNIVERSITY OF CALIFORNIA, Davis, California, toward the collection and preservation of the germ plasm of the *Amaranthus* species. $5,712

UNIVERSITY OF COLORADO, Boulder, Colorado, toward research on mechanisms of plant resistance to pathogens. $52,000

UNIVERSITY OF FLORIDA, Homestead, Florida, toward research to test the concept of increasing crop tolerance to stress by hybridization. $29,291

UNIVERSITY OF GEORGIA, Athens, Georgia, to support the Department of Entomology’s research project "Chemical Bases of Aggressive Behavior in Africanized, African, and Italian Honey Bees.” $17,000

UNIVERSITY OF GLASGOW, Glasgow, Scotland, toward immunological research related to trypanosomiasis. $13,800

UNIVERSITY OF IDAHO, Moscow, Idaho, for research on physiological control of ovarian function in fish as applied to the improvement of egg quality for aquaculture programs. $24,105

UNIVERSITY OF ILLINOIS, Urbana, Illinois, toward research, by its College of Veterinary Medicine and the National Institute for Animal Research in Mexico, to develop and field test vaccines capable of immunizing animals against bovine anaplasmosis and babesiosis, two tick-borne diseases. $300,000

UNIVERSITY OF KENTUCKY, Lexington, Kentucky, toward research on induced systemic resistance of plants to pathogens. $35,000

UNIVERSITY OF MINNESOTA, Minneapolis, Minnesota, for publication costs of the monograph *A Review and Synthesis of Economic Research on Grain Reserves*. $3,000

UNIVERSITY OF WISCONSIN, Madison, Wisconsin, for continued research on the mechanisms of plant resistance to pathogens. $38,000

WASHINGTON STATE UNIVERSITY, Pullman, Washington, for research on the isolation and purification of specific hormones initiating plant protease inhibitors in response to pest and disease stresses. $19,600

JEFFREY W. WHITE, University of California, Berkeley, California, to support physiological investigations on growth and development in bean plants. $4,700
UTILIZATION OF FRAGILE ENVIRONMENTS AND MARGINAL LANDS

In the developing countries, millions of acres with agricultural potential remain underutilized or have been degraded by destructive forms of primitive agriculture or the inappropriate application of modern, mechanized farming. In 1979, the Foundation initiated a program component designed to support research on the development of sustainable agriculture for marginal lands and lands under environmental stress.

INTERNATIONAL COUNCIL FOR RESEARCH ON AGROFORESTRY, Nairobi, Kenya, for program planning and development in the Sudano-Sahelian region. $10,450

NEW MEXICO STATE UNIVERSITY, University Park, New Mexico, for an assessment of research programs in the Sudano-Sahelian region. $2,000

ROCKEFELLER FOUNDATION, New York, New York, for a conference on agricultural and land-use development in the Amazon region (in cooperation with the Quality of the Environment program). $2,000

ROCKEFELLER FOUNDATION, New York, New York, toward the cost of preparing profiles on five major marginal land regions of the tropics. $20,000

FOOD AND AGRICULTURAL POLICY

This new component of the Conquest of Hunger program stresses the strengthening of the capability of developing countries in designing policies and strategies for improvement in food production and distribution and in relating their national food policies to world food issues.

GRANTS:

BOGAZICI UNIVERSITESI, Istanbul, Turkey, for a series of participative action seminars in agricultural management for the Turkish Ministry of Agriculture. $25,000

FOUNDATION FOR DEVELOPMENT STUDIES, Ankara, Turkey, for a project on agricultural production and nutritional needs in Turkey, cooperatively with the Turkish Ministry of Agriculture. $22,500

INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE, Washington, D.C., toward core support of its program of research in national and international food policy issues. $300,000

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**MIDDLE EAST TECHNICAL UNIVERSITY**, Ankara, Turkey, toward research on the response of agricultural production to changes in price. $9,555

**OVERSEAS DEVELOPMENT COUNCIL**, Washington, D.C., for a series of seminars on international food and development issues, given for congressional staff members. $25,000

**WORLD FOOD COUNCIL**, Rome, Italy, in support of its work to assist developing countries formulate practical strategies for increasing their food production and improving its distribution. $17,500
QUALITY OF THE ENVIRONMENT

The Quality of the Environment program was terminated as a separate Foundation program in June 1978. Most grants initiated have now been brought to conclusion or have been transferred to other Foundation sources of support.

The Foundation's programs are now placing greater emphasis on environmental issues relevant to their objectives. The Conquest of Hunger program has expanded its interest in water and land-use management and is continuing the search for alternatives to highly toxic pesticides that had been undertaken jointly with the Quality of the Environment program. The International Relations program has increased its concern for the environmental aspects of alternative energy policies.

Some Quality of the Environment program grants, initiated prior to the termination of the program, will require monitoring and evaluation until their terms are completed. Those listed below were still in effect in 1979.

GRANTS:

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, Ithaca, New York, for research in collaboration with Yale University on viruses used in insect pest control (in cooperation with the Conquest of Hunger program). $78,700

YALE UNIVERSITY, New Haven, Connecticut, for research in collaboration with the Boyce Thompson Institute for Plant Research on viruses used in insect pest control (in cooperation with the Conquest of Hunger program). $111,300

Natural Resources Management

INSTITUTE FOR POLICY RESEARCH, Denver, Colorado, for research on improved natural-resources management in the Rocky Mountain West. $103,471

IOWA STATE UNIVERSITY, Ames, Iowa, for preparation of a single, comprehensive publication presenting the results of a multi-institutional research program on land-use planning for more effective management of forest and recreational resources in the north-central United States. $25,000

CHARLES F. KETTERING FOUNDATION, Dayton, Ohio, for research on the development of a small nitrogen fertilizer generator for use on farms in developing countries (in cooperation with the Conquest of Hunger program). $18,300

MARINE BIOLOGICAL LABORATORY, Woods Hole, Massachusetts, for research on the ecology of the salt marsh. $20,000
National Academy of Sciences, Washington, D.C., for an international workshop on the environmental implications of resource exploration and exploitation in the Antarctic. $24,738

Resources for the Future, Washington, D.C., for study and evaluation of the adequacy of the country's agricultural land to meet future world demands for U.S.-produced food. $25,000

Rockefeller Foundation, New York, New York, for a conference on agriculture and land-use development in the Amazon region (in cooperation with the Conquest of Hunger program). $10,000

Tokyo University of Mercantile Marine, Tokyo, Japan, for research in collaboration with the University of Washington on improved management of marine resources in the North Pacific (in cooperation with the International Relations program). $1,600

University of British Columbia, Vancouver, Canada, for research in collaboration with the University of Washington on improved management of marine resources in the North Pacific (in cooperation with the International Relations program). $13,333

University of Tokyo, Tokyo, Japan, for research in collaboration with the University of Washington on improved management of marine resources in the North Pacific (in cooperation with the International Relations program). $8,667

University of Washington, Seattle, Washington, for collaborative research with Canadian and Japanese institutions on improved management of marine resources in the North Pacific (in cooperation with the International Relations program). $66,667

Environmental Monitoring

Chelsea College, University of London, England, to support its Monitoring and Assessment Research Centre. $300,000

National Academy of Sciences, Washington, D.C., for a conference on evaluating methods for assessment of the effects of chemicals on human and animal reproductive systems. $15,000

University of Toronto, Toronto, Canada, to assist the Institute for Environmental Studies in the continued development of its program on environmental monitoring. $30,000
University of Washington, Seattle, Washington, to support its office of environmental mediation. $71,000

**Quality of the Environment Program Evaluation**

Rockefeller Foundation, New York, New York, to support preparation of a major publication, being written by John Lear, documenting and evaluating the accomplishments of the Quality of the Environment program. $77,000
POPULATION AND HEALTH

POPULATION

The Foundation formally adopted a Population program in 1963, although concern for the impact of rapid rates of population growth on the well-being of the world's people had prompted support of selected activities in the population field during earlier years. In the first decade of the new program, primary emphasis was placed on basic research in reproductive biology and applied contraception research. During the past six years, attention to the social science components of population policy studies has been increased.

The components of the Population program are:

- Research in reproductive biology;
- Research on contraceptive technology;
- Policy studies.

RESEARCH IN REPRODUCTIVE BIOLOGY

Improvement of contraceptive technology requires a greater understanding of the hormonal, physiological, and biochemical mechanisms involved in the reproductive system. This field of basic research, although noteworthy for its recent progress, is seriously underfunded. Accordingly, the Foundation seeks to support outstanding scientists already working in the field and to encourage younger investigators to enter it.

Work is supported where established institutional strengths and research talent can be identified, both in the United States and abroad.

GRANTS:

ASSOCIATION FOR POPULATION/FAMILY PLANNING LIBRARIES AND INFORMATION CENTERS–INTERNATIONAL, Clarion, Pennsylvania, to enable a documentation officer from the ICMR Institute for Research in Reproduction, Bombay, India, to visit biomedical and other population library centers in the United States.

$1,500

BAYLOR COLLEGE OF MEDICINE, Houston, Texas

For support of a basic science research position in reproductive biology in the Department of Obstetrics and Gynecology.

$20,000

Toward the costs of an international symposium on cellular and molecular aspects of implantation.

$3,000

COLUMBIA UNIVERSITY, New York, New York, to conduct a study program on
modern biological research laboratory design for an architectural team from the Chinese Academy of Sciences. This is the first stage in the establishment by the Academy, with support from the Foundation, of an Institute of Developmental and Reproductive Biology in Peking. $74,200

**Cornell University**, Ithaca, New York, for research on human follicle-stimulating hormone, to be conducted in its Medical College. $25,000

**Hebrew University of Jerusalem**, Israel, for a study of gene expression and protein synthesis during normal and pathological pregnancies. $25,000

**Howard University**, Washington, D.C., for a program encouraging summer employment of minority-group high school students as apprentices in reproductive biology research laboratories at universities. $100,000

**Mahidol University**, Bangkok, Thailand, for research on modification of sperm proteins. $39,700

**Montreal Children’s Hospital**, Montreal, Canada, toward the costs of a workshop on prenatal diagnosis of genetic disease. $3,000

**National Council of Science and Technology**, Mexico City, Mexico, for a research and training program in reproductive medicine at the National Institute of Nutrition. $200,000

**New York University**, New York, New York, for a study of the female reproductive process and the development of methods to control fertility. $24,700

**Population Council**, New York, New York

For studies of the biochemistry of gametogenesis. $25,000

For studies of the comparative ultrastructure of fertilization. $25,000

**Salk Institute**, San Diego, California, for studies of peptides as fertility regulatory agents. $300,000

**Sloan-Kettering Institute for Cancer Research**, New York, New York, for studies of sperm autoantibodies and immune complexes in postvasectomy men. $25,000

**Temple University**, Philadelphia, Pennsylvania, for research on RNA-mediated changes in reproduction and development. $25,000

**University of Oslo**, Oslo, Norway, for research on the regulation of testicular function. $150,000
UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pennsylvania, for research on mammalian oogenesis. $10,100

UNIVERSITY OF WASHINGTON, Seattle, Washington, for research on in vitro fertilization in mammals. $25,000

WORLD HEALTH ORGANIZATION, Geneva, Switzerland, toward the costs of a joint project with the Council of International Organizations of Medical Sciences to develop guidelines for the establishment of ethical review procedures for research involving human subjects. $25,000

**RESEARCH ON CONTRACEPTIVE TECHNOLOGY**

The development of safe, effective, and inexpensive means of fertility regulation for mankind continues to require research support. The Foundation makes grants to encourage further study of existing as well as newly developed methods of contraception. It also seeks to hasten the transfer of appropriate knowledge on the subject from the basic-science milieu into the applied phase of testing and developing—a process requiring adequate interaction between the scientific field and mission-oriented programs.

**GRANTS:**

HANI K. ATRASH, Beirut, Lebanon, for a year at the Center for Disease Control, Atlanta, Georgia, under a new Rockefeller Foundation–Center for Disease Control international training program in family planning evaluation and epidemiology. $25,000

CENTRO DE PESQUISAS E CONTROLE DAS DOENCAS MATERNO-INFANTIS DE CAMPINAS, Campinas, Brazil, for a study of menstrual ovulatory cycles as a risk factor for breast cancer. $25,000

CORNELL UNIVERSITY, Ithaca, New York, for research, to be conducted in its Medical College, on long-acting delivery systems for contraceptive steroids. $35,000

JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, for a study of the association in Taiwan of oral contraceptive use with fatal stroke. $25,000

KATHERINE CH'IU LYLE, New York, New York, for research on maternal and infant mortality and contraceptive usage in Tientsin, People’s Republic of China. $4,700
MINISTRY OF PUBLIC HEALTH, Bangkok, Thailand, for a study to determine the feasibility of offering contraceptive implants under its National Family Planning Program. $107,000

POPULATION COUNCIL, New York, New York, for research on contraceptive development. $250,000

UNIVERSITY OF TEXAS, Houston, Texas, for a study of the antagononadotropic activity of lithosperm. $22,900

POLICY STUDIES

The Foundation seeks to contribute to the development of population policies designed to improve human welfare through a program of research to better understand the relationships between population processes and socioeconomic development, through the analysis of existing and alternative policy options in a given country and social setting, and through the training of scholars in social sciences and demography.

GRANTS:

AUSTRALIAN NATIONAL UNIVERSITY, Canberra, Australia, to complete a study of family change in Africa. $25,000

COLEGIO DE MEXICO, Mexico City, Mexico, for graduate fellowships in economic demography. $11,000

COLUMBIA UNIVERSITY, New York, New York, for use by its Center for Population and Family Health in providing short-term training in family planning, nutrition, and primary health care. $57,804

CORNELL UNIVERSITY, Ithaca, New York, for research on breast-feeding practices in the Yemen Arab Republic. $11,200

COUNCIL FOR ASIAN MANPOWER STUDIES, Quezon City, Philippines, in support of its regional research and training program on problems of population, labor force, and employment in Southeast Asia. $80,000

FRONTIER NURSING SERVICE, Hyden, Kentucky, for an oral history project on primary health care (in cooperation with the Arts, Humanities and Contemporary Values program). $18,000

ALBERTO HERNANDEZ GARCIA, Princeton, New Jersey, for research on the effects of rural-to-urban migration on fertility decline in Colombia. $4,900
For a research program on adolescent pregnancy. $400,000
For a study on the demographic impact of the modification of Medicaid funding regulations. $15,550

LATIN AMERICAN SOCIAL SCIENCE RESEARCH COUNCIL, Buenos Aires, Argentina, for a research program on problems relevant to formulation of national population policies in Latin America. $250,000

POPULATION COUNCIL, New York, New York, in support of its Center for Policy Studies and its International Programs. $600,000

POPULATION RESOURCE CENTER, New York, New York, for its research advisory activities. $35,000

PRINCETON UNIVERSITY, Princeton, New Jersey, for use by its Office of Population Research in policy-relevant studies of fertility determinants in developing countries. $300,000

PROGRAM OF JOINT STUDIES ON LATIN AMERICAN ECONOMIC INTEGRATION, Rio de Janeiro, Brazil, for a research program on demographic and economic determinants of labor-force participation in Latin America. $88,500

UNIVERSITY OF CHICAGO, Chicago, Illinois, for an analysis of household decisions of farm families and factors affecting nutrition and health in India. $17,270

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, North Carolina, for research on infant and childhood mortality in the Third World. $4,000

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, Blacksburg, Virginia, for a study on the interrelations between child mortality and fertility. $9,805

Ford Foundation–Rockefeller Foundation Research Program on Population and Development Policy

In 1970, the Rockefeller and Ford foundations initiated a competitive research program in the field of population policy in order to promote the study of the determinants and consequences of population behavior. In 1979, the following awards were made:

ASIAN INSTITUTE OF TECHNOLOGY, Bangkok, Thailand, to conduct a seminar on multivariate analysis.
LORRAINE CORNER, North Ryde, Australia, to complete research on the impact of rural out-migration in West Malaysia.

RAMIRO DELGADO, Tulane University, and HARI NANDAN UPRETY, Government of Nepal, for research on the impact of integrated health/family planning services on fertility behavior in two districts of Nepal.

THOMAS E. DOW, State University of New York, Purchase, New York, and HERBERT KANDEH, University of Sierra Leone, for research on the levels and determinants of mortality in Sierra Leone: patterns and policy implications.

CARLOS H. FILGUEIRA, JOSE L. PETRUCELLI, and DANILIO VEIGA, Montevideo, Uruguay, for research on models of population displacements in Uruguay.

NORA LAN-HUNG CHIANG HUANG, National Taiwan University, Taipei, Taiwan, for research on spatial and behavioral aspects of rural-urban migration—the case of female mobility in Taiwan.

GRAEME J. HUGO and IDA BAGUS MANTRA, Gadjah Mada University, Yogyakarta, Indonesia, for research on population mobility and development in Indonesia.

C. LWECHUNGURA KAMUZORA, Dar es Salaam, Tanzania, for research on fertility determinants in Africa.

SAMUEL C. KELLEY, DONALD RONCHI, HERNAN E. ACOSTA, and DULCE M. ACOSTA, Ohio State University Research Foundation, Columbus, Ohio, for research on internal migration and decentralization policy in Venezuela.

ZULMA RECCHINI DE LATTES, Buenos Aires, Argentina, to conduct demographic and economic research on women's work from 1950 to 1970 in Argentina.

**Rockefeller Foundation Program for the Demographic Evaluation of Development Projects**

The evaluation of development programs for their impact on population growth and distribution is a relatively uncharted area. In order to encourage such research, the Foundation in 1976 implemented a new program to support demographic program assessment studies. In 1979, the following awards were made:

HARVARD UNIVERSITY, Cambridge, Massachusetts, for research by Dr. Robert Repetto, Center for Population Studies, on the effects of agricultural development on rural population dynamics in Gujerat, India.

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MARIA HELENA F. DA TRINDADE HENRIQUES, Department of Population Statistics, Rio de Janeiro, Brazil, for research on the demographic impact of Brazilian colonization policy.

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, North Carolina, toward the costs of establishing a consortium of developing-country research institutes to conduct studies of the demographic impact of development projects.

JOSEPH UYANGA, UNIVERSITY OF CALABAR, Nigeria, for research on the impact of Nigerian plantation development projects on population and demographic processes.
HEALTH

The Foundation has had an historical commitment to improve the health of people throughout the world. Recent considerations of global needs and Foundation interests have led to a renewed effort to confront major health problems under three interrelated program components:

- The great neglected diseases of mankind
- The health of populations
- Coping with the information explosion

THE GREAT NEGLECTED DISEASES OF MANKIND

The great neglected diseases of mankind are primarily the tropical infectious diseases and their concomitants such as malnutrition and the hemoglobinopathies. These diseases are "great" in the numbers of individuals who suffer from them, and are "neglected," both financially and intellectually, by the international biomedical research community.

The Foundation's goal is to extend our knowledge of the mechanisms and epidemiology of these diseases, to improve existing curative and preventive interventions where they exist, and to develop such interventions where none exist. In pursuit of this goal, the Foundation has assisted in establishing an international network of research units, all of which seek to apply the current knowledge and sophisticated techniques of molecular biology, biochemistry, and immunochemistry to the great neglected diseases.

GRANTS:

GND Network Grants

In 1978, an appropriation of $1,250,000 was approved by the trustees for allocation by the officers for the continuation and further development of an international network of biomedical research groups to study the great neglected diseases of the developing world. In 1979, the following allocations were made from this appropriation:

AFFILIATED HOSPITALS CENTER, Boston, Massachusetts, for use by the Robert B. Brigham Hospital to support the Immunoparasitology Division, devoted to studying the cellular immunology of several protozoan and metazoan infections.

CASE WESTERN RESERVE UNIVERSITY, Cleveland, Ohio, for continuation of a Pharmacoparasitology Research Unit to study the metabolism of basic drugs in hosts and parasites.

WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, Melbourne, Australia, in support of the Immunoparasitology Research Unit, for analysis of immunological aspects of various metazoan and protozoan parasitic infections and isolating antigens for use in vaccines and immunodiagnostic reagents.
MINISTRY OF HEALTH, Cairo, Egypt, for research and training in tropical medicine by the Biomedical Research Center for Infectious Diseases.

ROCKEFELLER UNIVERSITY, New York, New York, for continued support of a program of drug development by the Pharmacoparasitology Research Unit of the Laboratory of Medical Biochemistry.

TUFTS UNIVERSITY, Boston, Massachusetts, for support of the Division of Geographic Medicine in the Department of Medicine for studies of diarrheal diseases and parasitic infections.

UNIVERSITY OF OXFORD, Oxford, England, for support of the Tropical Medicine Research Unit in the Nuffield Department of Clinical Medicine for investigations of malaria and the hemoglobinopathies.

UNIVERSITY OF STOCKHOLM, Stockholm, Sweden, in support of a joint research unit with Uppsala University on immune regulation of parasitism.

UNIVERSITY OF WASHINGTON, Seattle, Washington, for support of the Geographic Medicine Unit in the Department of Medicine for the study of the infectious diseases of the tropics.

GND-related Grants

CAIRO UNIVERSITY, Cairo, Egypt, in support of research on liver pathology in schistosomiasis. $18,326

CASE WESTERN RESERVE, Cleveland, Ohio, for research on the mechanism of infection and immunity in experimental schistosomiasis. $24,000

CORNELL UNIVERSITY, Ithaca, New York, to enable David L. Gibbs to participate in the programs of the Center for the Study and Control of Communicable Diseases in Salvador, Bahia, Brazil. $25,000

HARVARD UNIVERSITY, Cambridge, Massachusetts

For data analysis on the use of domestic water and organic resources in Bangladesh and for research in tropical medicine. $7,185

Toward the costs of interviews with prominent elder scientists who have worked in the field of tropical medicine. $3,615

HEBREW UNIVERSITY OF JERUSALEM, Jerusalem, Israel, for use by the Hadassah Medical School toward the costs of research on schistosomiasis. $25,000
MARCEL HOMMEL, Paris, France, to conduct research on malaria at the Institut Pasteur.

JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, for a study of the pathogenesis of measles virus infections in Peru.

JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, to enable Dr. Jeff Stanley to assist in the development of the Clinical Research Centre at the Kenyatta National Hospital in Nairobi, Kenya.

JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, to enable the Division of Geographic Medicine to conduct research on diarrheal disease.

MAHIDOL UNIVERSITY, Bangkok, Thailand, to support a multidisciplinary research program on opisthorchiasis.

NATIONAL ACADEMY OF SCIENCES, Washington, D.C., to support program development activities of its Division of International Health.

NEW YORK UNIVERSITY, New York, New York

For research on the immunology of schistosomiasis.

To enable its pathology department to conduct research on Pb44—an antigen involved in protective immunity to malaria.

ROCKEFELLER FOUNDATION

RESEARCH CAREER DEVELOPMENT FELLOWSHIPS

IN GEOGRAPHIC MEDICINE

Two five-year fellowships are awarded annually through the great neglected diseases network to outstanding young investigators who have established their scientific ability by the quantity and quality of their research and by a demonstrated interest in the topic. Awardees in 1979 were:

NADIA NOGUEIRA, New York, New York, to conduct research on Trypanosoma cruzi: cellular immunity in vitro.

FRANKLIN ALAN SHER, Boston, Massachusetts, to conduct immunochromosmoclelal studies on target antigens and host molecules of schistosomula.

ROCKEFELLER UNIVERSITY, New York, New York, for continuing research on Entamoeba histolytica, the etiological agent of amebic or tropical dysentery and tropical abscess of the liver.

UNIVERSITY OF BRASILIA, Brasilia, Brazil, for studies of chemotherapy of leishmaniasis.
University of Western Australia, Nedlands, Australia, for research on immunity in strongyloidiasis. $25,000

Yeshiva University, New York, New York

For research on immunological studies in leprosy, to be carried out by the Albert Einstein College of Medicine. $25,000

For the study of hepatic fibrosis in schistosomiasis, to be conducted by the Liver Research Center of the Albert Einstein College of Medicine. $25,000

The Health of Populations

Health care professionals are well trained to deal with disease in individuals on the basis of an understanding of physiological, cellular, and molecular mechanisms. Although this approach has been undeniably beneficial, maldistributions of expensive manpower, equipment, and facilities are common throughout the world; small numbers of individuals receive costly, high-technology, curative care while the vast majority lacks inexpensive, preventive primary health care.

The root cause of this imbalance is the absence of a population-based perspective in the educational, research, and management aspects of the health-care enterprise. The Foundation’s program in the Health of Populations supports the development and improvement of clinical teaching and research in clinical epidemiology and population-based medicine in universities of major international influence. This initiative should result in improved methods for assessing the health needs of populations, for establishing health priorities, for allocating medical resources, and for assessing the benefits of medical interventions more rationally.

Grants:

Academy of Behavioral Medicine Research, Washington, D.C., for support of program-development activities. $10,000

Centre de Recherche pour l’Etude et l’Observation des Conditions de Vie, Paris, France, to study the use of graphic representations of statistics in depicting medical care resource and planning problems. $25,000

Harvard University, Cambridge, Massachusetts, for use by its Department of Biostatistics in a project to analyze and improve statistical practices and experimental design in the health sciences. $300,000

Johns Hopkins University, Baltimore, Maryland, for the development of health indicators. $35,000

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ROCKEFELLER FOUNDATION, New York, New York, for a preliminary workshop of a conference to be held concerning the "denominator problem"—the problem of estimating the total population served by a clinic, health center, or physician. $5,000

UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pennsylvania, for the establishment of a clinical epidemiology unit in its Department of Medicine. $300,000

UNIVERSITY OF SOUTH CAROLINA, Columbia, South Carolina, for field studies in national and international policy structures for medical systems serving high-density populations. $5,000

UNIVERSITY OF TORONTO, Toronto, Canada

For a study of public health and population-based medicine in schools of medicine and public health. $200,000

To enable John Evans to conduct a feasibility study and report on personal requirements for personal and environmental health services. $35,000

VIRGINIA COMMONWEALTH UNIVERSITY, Richmond, Virginia, to undertake developmental research in estimating the population served by clinics, health centers, or physicians. $25,000

WORLD HEALTH ORGANIZATION, Geneva, Switzerland, for the development of a classification scheme suitable for use in primary-care settings. $20,000

YALE UNIVERSITY, New Haven, Connecticut, in support of the expansion of its Clinical Epidemiology Unit in the Department of Internal Medicine. $25,000

COPING WITH THE INFORMATION EXPLOSION

The exponential growth of biomedical, behavioral, and health services literature, and of statistical and other data, makes it increasingly difficult to identify and obtain that small portion of the information corpus that is relevant and significant to particular needs. The objective of this program is to develop selective information systems that would rationalize and expedite the flow of biomedical information.

GRANTS:

PAN AMERICAN HEALTH ORGANIZATION OF THE WORLD HEALTH ORGANIZATION, Washington, D.C., to support meetings of the Long-Term Working Group to study and plan the future activities of the Biblioteca Regional de Medicina in São Paulo. $15,000
ROCKEFELLER UNIVERSITY, New York, New York, toward the costs, on an experimental basis, of subscriptions to the *New England Journal of Medicine* for graduate students in the biological sciences. $2,000

**MISCELLANEOUS HEALTH PROGRAM GRANTS**

JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, for a symposium on the 50th anniversary of the Institute of the History of Medicine (with the cooperation of the Arts, Humanities and Contemporary Values program). $15,000

ROCKEFELLER FOUNDATION, New York, New York, to enable Dr. John Z. Bowers to conduct an historical review of the Health and Natural Sciences programs of The Rockefeller Foundation since 1913. $100,000
INTERNATIONAL RELATIONS

Recognizing the potential for conflict inherent in the growing interdependence of nations, the trustees established the International Relations program in 1973. In 1977, following a major review, a revised program was approved and launched. Further adjustments were made in 1978.

The program is focused on three main policy areas:
- Regional conflicts and security arrangements
- International economic policy
- World energy

Within each of these areas, the primary objectives are: (1) to identify core problems for which cooperative action is or will be required for effective management, or for the avoidance or resolution of major conflict; (2) to assess such problems from a global perspective and in context in order to develop and evaluate alternative courses of action for coping with them; (3) to encourage development of scholarly and professional competence in policy analysis; and (4) to increase public understanding of the issues and alternatives and the need for timely actions.

REGIONAL CONFLICTS AND SECURITY ARRANGEMENTS

The political approaches pursued in regions with high potential for conflict and escalation—by powers inside and outside—have major importance for international security. Regional security issues include military, political, and economic factors. Arms control, methods for peaceful settlement of disputes, peace-keeping techniques, and means to reduce the risk of escalation in the event that armed conflicts occur are high-priority matters in specific regional contexts.

GRANTS:

ARMED CONTROL ASSOCIATION, Washington, D.C., to support a joint project with the International Institute for Strategic Studies, London, England, for the third "Young Faces" (scholars and officials below the age of 30) conference on crisis management and the superpowers and crisis management in the Third World; UN and regional peace-keeping; and confidence-building measures for crisis prevention and crisis amelioration. $19,250

ASPEN INSTITUTE FOR HUMANISTIC STUDIES, New York, New York, for continuation of its Arms Control Consortium program's analysis of technical and political issues that affect arms control, plus dissemination of the analyses to decision-makers and the public. $365,000

ATLANTIC COUNCIL, Washington, D.C., for a project on the relationship of Japanese and East Asian security to Western security and NATO. $35,000
Center for Inter-American Relations, New York, New York, to establish a commission on U.S.-Brazilian relations. $35,000

Council on Foreign Relations, New York, New York, to support a study on Soviet-American relations. $35,000

Richard R. Fagen, Stanford University, Stanford, California, for a book-length study on U.S.-Mexican relations. $31,656

Foreign Policy Study Foundation, New York, New York, for operating costs of its Study Commission on U.S. Policy Toward Southern Africa. $345,000

International Institute for Strategic Studies, London, England, to develop a new studies program in regional security and conflict management that will focus initially on the Persian Gulf and the Middle East. $127,400

International Law Association, American Branch, New York, New York, to conduct a project on state immunity. $20,000

Japan Center for International Exchange, Inc. (U.S.A.), New York, New York, in support of a U.S.-Japan joint policy study on security issues in Asia. $35,000

Lawyers' Committee for Civil Rights Under Law, Washington, D.C., toward the costs of editing and distributing the proceedings of the conference "International Legal Effects of the South African System of Apartheid." $2,262

Rockefeller Foundation, New York, New York, for a workshop enabling Dr. Wayne Cornelius of the Massachusetts Institute of Technology, to continue his study on U.S.-Mexico immigration and related issues. $20,000

Royal Institute of International Affairs, London, England, to study the international dimensions of the southern Africa conflict. $11,300

Stanford University, Stanford, California, for a meeting in the People's Republic of China on arms control and international security issues. $17,530

Tokyo University of Mercantile Marine, Tokyo, Japan, for research in collaboration with the University of Washington on improved management of marine resources in the North Pacific (in cooperation with the Quality of the Environment program). $800

University of British Columbia, Vancouver, Canada, for research in collaboration with the University of Washington on improved management of

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marine resources in the North Pacific (in cooperation with the Quality of the Environment program).  

$6,667

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Urbana, Illinois, to study security policies of developing nations.  

$8,650

UNIVERSITY OF MARYLAND, College Park, Maryland, to support a project on Mexican migrants and U.S. responsibility.  

$30,000

UNIVERSITY OF TOKYO, Tokyo, Japan, for research in collaboration with the University of Washington on improved management of marine resources in the North Pacific (in cooperation with the Quality of the Environment program).  

$4,333

UNIVERSITY OF WASHINGTON, Seattle, Washington, for collaborative research with Canadian and Japanese institutions on improved management of marine resources in the North Pacific (in cooperation with the Quality of the Environment program).  

$33,333

WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS, Washington, D.C., toward the costs of its program on Latin America, the Caribbean, and inter-American affairs.  

$75,000


$9,000

INTERNATIONAL ECONOMIC POLICY

The international economic system is not functioning well—as evidenced by slow economic growth; persistent unemployment and a high rate of inflation in many countries; growing skepticism about the capacity of floating exchange rates to correct imbalances of payments; increasing fears of protectionism; and relatively little progress toward meeting the needs of developing countries and the quarter of the world's population that is very poor.

GRANTS:

BROOKINGS INSTITUTION, Washington, D.C., to undertake interdisciplinary research bridging the areas of international and domestic economic policy and international security policy.  

$100,000

BROOKINGS INSTITUTION, Washington, D.C., for a project analyzing economic relations between the United States and the advanced developing countries.  

$35,000
COMMITTEE FOR ECONOMIC DEVELOPMENT, Washington, D.C., for a conference on major economic issues confronting the United States and Japan. $10,000

CONCORDIA UNIVERSITY, Montreal, Canada, for a study on the economic relations between Quebec and other economic regions. $20,000

CONSULTATIVE GROUP ON INTERNATIONAL ECONOMIC AND MONETARY AFFAIRS, New York, New York, to enable the Group of Thirty, through research and consultation, to analyze international economic and monetary problems and to identify and assess consequences of alternative policies for dealing with them. $700,000

WORLD ENERGY

Energy is a vital and pervasive requirement in every society. The world is in the early stages of a difficult and protracted transition from ample, low-cost supplies of petroleum to reliance on much higher cost alternative sources of energy as well as increased conservation.

GRANTS:

ASOCIACION PARA EL DESARROLLO, Santiago de los Caballeros, Dominican Republic, toward the costs of a conference on energy and agriculture in the Caribbean area (in cooperation with the Conquest of Hunger program). $6,000

HARVARD UNIVERSITY, Cambridge, Massachusetts, for a study on inter-LDC collaboration in assessing and meeting energy needs. $6,529

JOHN H. HARWOOD, Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil, for a study on energy sources and the colonization of the Amazonian forest. $6,700

INDIAN INSTITUTE OF TECHNOLOGY, Delhi, India, for a case study undertaken by P. S. Satsangi and Vinayshil Gautam of energy-consumption patterns and related socioeconomic factors in the hilly regions of Uttar Pradesh. $25,000

INTERNATIONAL RESEARCH CENTER FOR ENERGY AND ECONOMIC DEVELOPMENT, Boulder, Colorado, to study new constraints on absorptive capacity and the optimum rate of petroleum output. $34,000
KEYSTONE CENTER FOR CONTINUING EDUCATION, Keystone, Colorado, for a workshop entitled "U.S. Foreign Policy and International Relations Issues of Radioactive Waste Management." $33,000

CHI-YUAN LIANG, Institute of Economics, Academia Sinica, Nankang, Taipei, Taiwan, for a study on the effects of energy policy on the economic development of Taiwan. $7,450

FERNANDO R. MANIBOG, International Energy Agency, Paris, France, for a study on the mechanisms and strategies for the implementation of renewable-energy technologies in Third World rural areas, with particular reference to the Philippines. $2,500

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Massachusetts, to provide assistance for a world coal study. $35,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Massachusetts, for American participation at a U.S.-Japanese bilateral nuclear energy workshop. $19,500

SIMON R. NKONOKI, University of Dar es Salaam, Tanzania, to conduct a study on rural energy consumption in Tanzania. $24,875

OAK RIDGE ASSOCIATED UNIVERSITIES, Oak Ridge, Tennessee, for preparation of a critical analysis of a Latin American energy analysis seminar. $5,000

RESOURCES FOR THE FUTURE, Washington, D.C., to undertake a case study of the fuelwood-charcoal market in Hyderabad, India. $35,000

ROCKEFELLER FOUNDATION, New York, New York, to support an International Consultative Group on Nuclear Energy to conduct research activities to contribute to public policy on the development and use of nuclear energy for peaceful purposes. $95,000

ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS, London, England, to support meetings and related research activities of the International Consultative Group on Nuclear Energy. $90,559

SECRETARIAT FOR FUTURES STUDIES, Stockholm, Sweden, for preparatory analytic work for a symposium on the European transition away from oil. $25,000

JONATHAN P. STERN, London, England, to enable him to complete a manuscript on Soviet natural-gas exports. $3,000

85
Tufts University, Medford, Massachusetts, to complete a study on how developing countries should be categorized for purposes of energy policy planning.

$6,000

ROCKEFELLER FOUNDATION FELLOWSHIPS IN INTERNATIONAL RELATIONS

In 1978, the trustees appropriated $300,000 to continue the selection, with the advice of an expert advisory committee, of outstanding and innovative scholars who are studying issues central to international relations. The following awards were made in 1979:

Alexander L. George, Stanford University, Stanford, California, for a project examining the history, current status, and prospects for reducing the risk of crisis escalation in U.S.-Soviet relations.

Peter Bolton Grose, Columbia University, New York, New York, for a study of U.S.-Israeli relations.

Peter A. Iseman, Princeton, New Jersey, to complete a book on the domestic and foreign politics of Saudi Arabia.

Charles H. Lipson, Harvard University, Cambridge, Massachusetts, to undertake a study of trade-protection politics in the modern world economy.

Nadav Safran, Harvard University, Cambridge, Massachusetts, to undertake a study of U.S.-Saudi Arabian relations and their prospects in the 1980's.


Gilbert R. Winham, Dalhousie University, Halifax, Nova Scotia, Canada, to undertake a political analysis of the Tokyo Round of Trade negotiations.
EDUCATION FOR DEVELOPMENT

In 1963, the Foundation initiated its University Development program, which had as its major objective assisting selected universities in Latin America, Africa, and Asia, to strengthen their teaching and research and to enable them to become more effective in responding to national and regional needs. First priority was given to the development of indigenous leadership and the creation of new knowledge. The universities that comprised the initial program were: Makerere University, Kampala, Uganda; University of Nairobi, Kenya; University of Dar es Salaam, Tanzania; University of Ibadan, Nigeria; University of the Philippines; Universidad del Valle, Cali, Colombia; and Thammasat, Kasetsart, and Mahidol universities in Bangkok, Thailand. In the early 1970's, three additional universities were selected: the National University of Zaire; Gadjah Mada University in Indonesia; and the Federal University of Bahia, Brazil. In 1974, the name of the program was changed to Education for Development.

In December 1977, Foundation trustees decided to phase out Education for Development as a separate program, within the period necessary for responsible termination of current activities. Long-term projects at the Universidad del Valle, the University of the Philippines, the University of Ibadan, Makerere University, the University of Nairobi, and the University of Dar es Salaam have terminated; those at the three universities in Bangkok, Thailand, will terminate by the end of 1980; and it is expected that the programs in Zaire, Indonesia, and Brazil will be completed by the end of 1983.

In addition to the university projects cited above, the Foundation continues support for several other EFD initiatives in the developing countries: training and research projects conducted by the national universities and ministries of education of Kenya and Tanzania, designed to develop local capacity for social science research and evaluation of educational issues in the two countries; strengthening research and training at the Faculty of Agriculture, University of Nairobi, in pest management; an experimental educational project in rural development in Colombia; and training and research programs in public-sector management in the LDC's.

EFD CENTER GRANTS:

**Federal University of Bahia**
Salvador, Bahia, Brazil
Support of teaching, research, and service activities relevant to the rural and urban needs of northeastern Brazil. $267,100

**Gadjah Mada University**
Yogyakarta, Indonesia
Continued support of teaching and research programs in the health sciences, agricultural sciences, and the social sciences designed to help Indonesia meet national goals. $410,124

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**Kasetsart University**
**Thammasat University**
Bangkok, Thailand
Support of training and research programs in the agricultural and social sciences directed to national and regional needs. $308,178

**Kenyatta University College**
**University of Nairobi**
Nairobi, Kenya
Support of training and research programs designed to develop local capacity for social science research and evaluation of educational issues in Kenya and Tanzania. $14,158

**Makerere University**
Kampala, Uganda
Support for the reconstruction of training and research programs in the Faculty of Agriculture and Forestry and the Faculty of Arts and Social Sciences. $70,000

**National University of Zaire**
Kinshasa, Zaire
Continued support for strengthening research and training programs relevant to national development, with particular emphasis on education, agricultural sciences, and social sciences. $164,530

**University of Dar es Salaam**
Dar es Salaam, Tanzania
**University of Nairobi**
Nairobi, Kenya
Faculty development and research programs in the social sciences. $19,750

**University of Nairobi**
Nairobi, Kenya
Strengthening, within its Faculty of Agriculture, of teaching and research programs in pest management. $42,200

**OTHER GRANTS:**

RUPERTO ALONZO, Chicago, Illinois, for a study, "The Social Valuation of Labor in a Developing Economy: The Philippine Case." $5,610

BOSTON UNIVERSITY, Boston, Massachusetts, in support of a conference on public enterprise in mixed-economy, less-developed countries. $15,000

CITY COLLEGE, New York, New York, for a workshop, "Technology Transfer." $5,000
CORNELL UNIVERSITY, Ithaca, New York, for a study, "Direct Foreign Investment and the Thai Economy." $5,382

FUNDACION PARA LA EDUCACION SUPERIOR, Cali, Colombia, to carry out an experimental educational project in rural development. $115,000

SAMUEL PAUL, Cambridge, Massachusetts, for a study, "Management in Developing Countries." $93,598

UNIVERSITY OF CHICAGO, Chicago, Illinois, for a study, "Political Control and Economic Influence: A Study of Trade Associations in Thailand." $3,737

PROGRAM REVIEW

In 1978, Foundation trustees agreed that a comprehensive review should be made of the EFD program—the largest interdisciplinary undertaking in the Foundation's history—and in 1979, allocated $200,000 for this purpose. Professor James S. Coleman, of the University of California in Los Angeles and formerly a Foundation staff member working with the EFD program, is coordinating the review process, working closely with the Foundation's EFD committee and a distinguished international advisory committee. The first year's efforts have been directed to the preparation of comprehensive analysis of the eight major EFD centers by appointed reviewers. A summary volume, written by Professor Coleman, will attempt to place the EFD program's specific experience within the broad context of the development of institutions of higher education in the developing world during the past two decades. One expected result of this review is a record from which the Foundation and other organizations can derive useful lessons for continuing efforts to help strengthen educational institutions in the developing world.
Beginning in 1978, an augmented Special Interests and Explorations fund was used for three purposes:

- To examine opportunities or support activities not covered by existing Foundation programs
- To support unusually significant activities involving one or more Foundation programs and requiring substantial short-term investment that could not otherwise be undertaken because of the constraints of program guidelines
- To support expenses of ongoing Foundation activities such as the Rockefeller Archive Center and the Bellagio Study and Conference Center

GRANTS:

**Arts and Business Council**, New York, New York, to expand its program of encouraging business executives to work with arts organizations. $50,000

**Center for Public Resources**, New York, New York, for its project to expand the role of the pharmaceutical industry in research and health delivery for developing countries. $117,500

**Coalition of National Voluntary Organizations**, Washington, D.C., to enable the coalition to collaborate with the National Council on Philanthropy in forming a new organization designed to protect and enhance the effectiveness of private citizens and the nonprofit sector. $30,000

**Foundation Center**, New York, New York, toward the cost of its work as an information agency on foundations. $120,000

**Indochina Refugee Action Center**, Washington, D.C., in support of its Cambodia Crisis Center. $35,000

**International Council for Educational Development**, New York, New York, toward the costs of establishing a National Council for Foreign Language and International Capability. $35,000

**International Institute for Environment and Development**, Washington, D.C., toward the cost of publishing the background papers for a symposium held in Jamaica, entitled “Mobilizing Technology for Development,” and of disseminating the final report of the symposium. $6,000

**Marine Biological Laboratory**, Woods Hole, Massachusetts, to provide an annual summer course in the biology of parasitism. $200,000
MASSACHUSETTS GENERAL HOSPITAL, Boston, Massachusetts, to establish, in
its Education Division, a John Hilton Knowles Fellowship Fund to provide
fellowships primarily for minority-group students, women, and students from
developing countries.  $500,000

MIDDLE EAST INSTITUTE, Washington, D.C., toward the costs of a study of the
policies and activities of the Jordan Social Development Fund.  $8,000

NATIONAL EXECUTIVE SERVICE CORPS, New York, New York, in support of its
program of volunteer management assistance to nonprofit service institutions.
$50,000

RESEARCH LIBRARIES GROUP, Stanford, California, to expand its computerized
research libraries' information network for providing bibliographic information
to U.S. research libraries.  $250,000

JOHN D. ROCKEFELLER 3RD YOUTH AWARD
The Foundation grants an award annually to a young man or woman who has
made an outstanding contribution to the well-being of mankind. Lisa Cobbs, of
San Diego, California, received the 1979 award for leadership in work for the
needs, rights, and prospects of young people in Southern California.  $13,000

ROCKEFELLER UNIVERSITY, New York, New York, for operational costs of the
Rockefeller Archive Center.  $289,000

SUPPORT SERVICES ALLIANCE, New York, New York, for the initial costs of its
work to equalize access of goods and services to the self-employed and to small
nonprofit and business operations.  $300,000

TRILATERAL COMMISSION (NORTH AMERICA), New York, New York, to help
extend its nongovernmental North American-European-Japanese initiative to
promote greater understanding and cooperation regarding political and economic
issues.  $100,000

UNIVERSITY OF VIRGINIA, Charlottesville, Virginia, for use by its Center for
Oceans Law and Policy for a project on the Law of the Sea negotiations.
$25,000
THE BELLAGIO STUDY AND CONFERENCE CENTER

The Villa Serbelloni, an historic estate in the Italian Alps, is located high on the promontory that divides Lake Como and overlooks the town of Bellagio; it was bequeathed to the Foundation in 1959. The center is administered from the Foundation’s New York office by a committee of which Dr. John J. McKelvey, Jr., is currently the chairman.

The center has evolved into a unique conference facility for scholars from many parts of the world who meet to examine issues of international importance. “Bellagio Conferences” have been the modest beginnings of now worldwide cooperative undertakings in agricultural research, population stabilization efforts, and the development and strengthening of universities and training institutes in Third World countries. Conferences held at the center are related in some way to the Foundation’s own programs. The following 37 conferences were held during 1979:

Workshop on Preparing Professional Staff for National Agricultural Programs—Frank C. Byrnes, International Agricultural Development Service. Participants from developing countries, international centers, universities, and the technical cooperation community addressed issues related to manpower needs for international agricultural development, including how to help those in developing countries improve their technical and managerial capabilities and how to provide young professionals with their initial international work experience.

Environmental Impact Assessment in the Antarctic—Martin Holdgate, Director General of Research, Department of the Environment and Department of Transport, London. Experts prepared an authoritative scientific statement to be presented to the Scientific Committee on Antarctic Research and to the Antarctic treaty group on additional efforts needed to ensure cooperation between countries in order to avoid undue damage to the environment.

Sequel to the International Conference on Treaty Law and Procedure Held in 1977—John Lawrence Hargrove, Director of Studies, the American Society of International Law, Washington, D.C. Participants examined the differences between the two types of international agreements—treaties and executive agreements—with a view to minimizing the confusion in the federal government as to when each is most appropriate and what their weaknesses are.

The Relationship Between Coping and Health—Seymour Levine, Stanford University School of Medicine. Participants discussed the theoretical aspects of coping and environmental influences on psychosomatic illness, with particular emphasis on the pressures of urban society, work-related problems, and interpersonal relationships.

World Food Council Consultations on Food Production, Distribution, and Investment—Ambassador Maurice Williams, Chairman, World Food Council, United Nations Secretariat. Participants examined the reasons why food
production in developing countries is not increasing at a rate sufficient to achieve amelioration of hunger and malnutrition and how the problems inherent in achieving effective action are perceived by developing and developed countries.

Women and Trade Unions in Democratic States—Val R. Lorwin, Professor Emeritus, Department of History, University of Oregon, and Alice Cook, Professor Emerita, Industrial and Labor Relations, Cornell University. Participants planned a volume entitled Women and Trade Unions: Studies of Twelve Industrial Countries, which will address various issues ranging from historical origins of male domination of unions to international union action on women's issues.

Population and Health in Developing Countries—Sheldon J. Segal, The Rockefeller Foundation. Participants reviewed the status of both death control and birth control programs and analyzed their interrelations as well as their integration with broader development objectives.

Social and Political Challenges of the New International Economic Order in Comparative Perspective—Harry M. Makler, Executive Secretary, International Sociological Association, University of Toronto. A group of comparative economists and political sociologists analyzed the challenge of the new economic order to the social and political structure of the advanced West, socialist, and Third World nations.

Fifth Meeting of the International Consultative Group on Nuclear Energy—Mason Willrich, The Rockefeller Foundation. At this meeting on international energy supply policy, a small group of highly qualified persons conducted a preliminary exploration from an industrial-country perspective.

Conventional Arms Transfers: Dependence, Influence, and Regional Stability—William H. Kincade, Executive Director, the Arms Control Association, Washington, D.C., and Christoph Bertram, Director, International Institute for Strategic Studies, London. Leading scholars under 30 years of age from 12 countries discussed conventional arms transfers.

Eighth Meeting of the Council of World Members of International House—Howard A. Cook, President, International House, New York. The Council of World Members planned program activities of alumni in support of ongoing activities, discussed ways of attracting top-grade students to the facility, and reviewed various fund-raising methods.

An International Meeting of Human Rights Organizations—Miriam K. Carliner, Conference Director, International League for Human Rights, Washington, D.C. The league, in cooperation with the Federation Internationale des Droits de l'Homme, convened a conference of North American and Western European affiliates and other nongovernmental human-rights organizations to provide an information exchange on the most effective techniques through which human-rights groups can carry out their day-to-day efforts.
Workshop on Increasing Agricultural Production for the Benefit of the Rural Poor—Abdelmuhsin M. Al-Sudeary, President, International Fund for Agricultural Development, Rome. Participants examined the problems and opportunities for attaining IFAD's three objectives—to increase food production, to reduce rural poverty, and to improve nutrition.

International Migration—Charles Keely, Center for Policy Studies, the Population Council; Sylvano Tomasi, Center for Migration Studies, Staten Island; and Mary M. Kritz, The Rockefeller Foundation. This conference was held to provide an overview of migration flows in nine regions and an alternative theoretical framework for interpreting current trends and policies.


Meeting of the Steering Committee of the Tsetse Fly/Trypanosomiasis Task Force—John J. McKelvey, Jr., The Rockefeller Foundation. Reports of this task force will inform USAID, donor agencies, and African governments about those priorities in research and control in which they might best make their investments.

Key Issues in East-West Relations in the Eighties—Morris Bornstein, Center for Russian and East European Studies, University of Michigan, Ann Arbor. A group of Eastern and Western economists and political scientists discussed trade and financial problems, industrial cooperation and technological transfer, and relations between and within Eastern and Western alliances.

Human Rights and Developing Countries: Political and Civil Rights versus Social and Economic Needs?—Joel Colton, The Rockefeller Foundation. Participants discussed the choices a new nation faces with respect to civil rights—tolerating opposition parties and a free press, or concentrating economic and political power in the hands of a single party while forfeiting basic human rights—and examined some workable compromises for developing nations.

Second International Workshop on Food Corps and Rural Development at the Village Level—Ruth S. Morgenthau, Brandeis University. Participants reviewed revised proposals for new pilot projects in Tanzania and the Sahelian countries, enumerated common principles for organizing, operating, and institutionalizing Food Corps related activities at the village level, and discussed ways to share these experiences with others concerned with rural-development issues.

The Role of the Judiciary in Economic and Political Integration—Eric Stein, University of Michigan Law School, Ann Arbor. This group compared the judicial roles in both the United States and the European Community.

Nutrition and Immunology—Sir Peter Medawar, Clinical Research Centre, Middlesex, England. Participants discussed the relationship of nutrition to
immunology, particularly the mechanism of action of retinoids and of polyunsaturated fatty acids, which can have a profound effect on the growth of autochthonous tumors.

Planning Committee for a World Congress on Black Communication—Orlando L. Taylor, Chairman, Department of Communication Arts and Sciences, Howard University, and Bruce E. Williams, The Rockefeller Foundation. Scholars from various countries discussed plans for a comprehensive textbook with an international perspective that will cover the state of the art relative to basic and applied research and theory in black communication.

Comparative History of Literatures in European Languages—Henry H. Remak, Department of Comparative Literature and East European Studies, Indiana University. Members of the Coordinating Committee of the Comparative History of Literatures in European Languages division of the International Comparative Literature Association met to exchange views about the future directions of their program.

Alternative Plant Disease Management Concepts—Richard C. Staples, Boyce Thompson Institute for Plant Research, and John J. McKelvey, Jr., The Rockefeller Foundation. Participants reviewed and examined critically the current state of knowledge, with emphasis on the field of disease physiology, especially host responses, as it relates to alleviating disease losses in crops.

International Symposium on the Russian Novel—John G. Garrard, Center for Russian and East European Studies, University of Virginia. This seminar provided a unique forum for scholars from the United States and Europe to assess the relevance of the Russian novel for contemporary social, ethical, and cultural values.

Priorities in Community Nutrition for Nurse Education—E. F. Patrice Jelliffe, S.R.N., M.P.H., F.R.S.H., Lecturer and Associate Researcher, School of Public Health, University of California, Los Angeles. Specialists in the areas of nutrition education and training, nursing primary health care, and food and nutrition policy in Third World and industrialized countries met to discuss priorities in community nutrition needed in nursing curricula.

World Development and the Restructuring of Industrial Economies—Antonio Maria Costa, Centre for Development Planning, United Nations. Participants of this symposium, jointly sponsored by the Society for Policy Modeling and the Economic Research Center of the Catholic University of the Sacred Heart in Milan, investigated the interdependence between alternative long-run world-development patterns and alternative policies for the restructuring of economic activities in the industrial countries.

Humanities/Education for Development Conference—D. Lydia Brontë, The Rockefeller Foundation, and James S. Coleman, University of California, Los Angeles. Participants surveyed the contribution of the humanities to the
Foundation's Education for Development program and discussed in depth the most significant programs.

University Development/Education for Development Review Conference—Laurence D. Stifel, The Rockefeller Foundation, and James S. Coleman, University of California, Los Angeles. An advisory group, comprised of distinguished specialists from the fields of agriculture, health sciences, social sciences, and education from developed and developing countries, met to provide counsel, criticism, and suggestions regarding the conduct of the review.

Clinical Investigations in Developing Countries—Harold J. Simon, Senior Visiting Scholar, National Academy of Sciences. Institute of Medicine, Washington, D.C. Participants addressed sociocultural, ethical, and legal regulatory issues as part of a larger project assigned by the Office of Science and Technology.

Workshop on Defined Areas: Implications for National Agricultural Research Systems—Frank C. Byrnes, International Agricultural Development Service. Participants considered the extent and nature of possible involvement in defined-area projects, and developed criteria for determining, situation by situation, where and how each agricultural research system can most effectively engage.

Research in Biochemical Communications: The Problem of Selectivity—William Goffman, Case Western Reserve University, and Kenneth S. Warren, The Rockefeller Foundation. Participants identified the outstanding problems in biomedical communications with emphasis on the issue of quality and/or selectivity.

Quality-Based Libraries for Medical Schools in Less-Developed Countries—William Goffman, Case Western Reserve University, and Kenneth S. Warren, The Rockefeller Foundation. Medical educators, librarians, government officials, and scientists from the developed and developing worlds explored new approaches to the problems connected with the growth of biomedical literature and discussed the efficacy of establishing small, selective libraries in various medical schools in less-developed countries relevant to their educational needs.

Workshop on Psychological Factors Affecting Health: Assessment, Classification, and Utilization—Walter Gulbinat, Division of Mental Health, World Health Organization, and Kerr L. White, The Rockefeller Foundation. Participants prepared a report on characteristics of a framework for an international classification of health problems, with emphasis on the psychosocial components of illness and health indicators, and also drafted guidelines for developing such a classification suitable for primary health care settings.

Chorionic Gonadotropin—Sheldon J. Segal, The Rockefeller Foundation. This conference, the first in a series, focused on the remarkable advances made in the understanding of the chemistry, biology, and physiology of this hormone of pregnancy.
Graminaceous Downy Mildew Diseases—B. L. Renfro, The Rockefeller Foundation Field Staff. Participants sought to identify those lacunae of knowledge that act as impediments to development of effective controls of the downy mildew diseases, to devise new or improved approaches to overcome these barriers to success, to suggest research efforts to provide essential information and insights, and to define resources, personnel, and facilities needed to accomplish these goals.

Planning Conference for a Daedalus Issue on Contemporary Africa—Stephen R. Graubard, Editor, Daedalus. Participants dealt with questions having to do with Africa's relations with the external world, in issues as different as the formation of African elites, the role of Marxism in Africa today, and the adequacy of Western technology for African development. Publication of this issue is planned for early 1981.

In addition to conferences at Bellagio, the Foundation offers residencies, of about four weeks each, to scholars, writers, and composers engaged in major projects. During 1979, the center was able to accommodate the following 80 men and women of recognized distinction from 12 countries.

LESLIE ADAMS, Cleveland—a symphony in four movements.

ALBA DELLA FAZIE AMOIA, associate professor of Romance languages, Hunter College—a comparison of the existential views of Dante, Montaigne, and Sartre.

SANDRA J. BALL-ROKEACH, professor of sociology, Washington State University—the impact of television on beliefs and behavior.

JOHN E. BARDACH, research associate, the East-West Center, Honolulu—ocean resources and their management.

HENRY BIENEN, professor of politics, Princeton University—problems of income distribution in Nigeria, Turkey, and Egypt.

RUDOLPH BINION, Leff Professor of History, Brandeis University—history of the development in 19th-century Europe of the idea that the past survives into the present.

JACK BLOCK, professor of psychology, University of California, Berkeley—the interplay between personality and situational characteristics in the forging of behavior.

JEANNE H. BLOCK, professor of psychology, University of California, Berkeley—the interplay between personality and situational characteristics in the forging of behavior.

JOSEPH BLOTNER, professor of English, University of Michigan—the life and work of William Faulkner.

PATRICIA BONOMI, professor of history, New York University—the relationship between religion and politics in colonial America.
ROBERT F. BORUCH, professor of psychology, Northwestern University—assuring privacy and confidentiality in social research and methodological issues in mass psychogenic illness.

ROBERT H. BREMNER, professor of history, Ohio State University—philanthropy and social welfare in the Civil War era.

OWEN CHADWICK, regius professor of modern history, University of Cambridge—history of the Papacy of the Fascist age.

ROBERT J. CLEMENTS, chairman, Department of Comparative Literature, New York University—the interrelations of Italian Renaissance literature and art.

ELLIS N. COHEN, M.D., Stanford University Medical Center—anesthetic metabolism and toxicity, and anesthetic exposure in the workplace.

ROBERT Q. COLLINS, dean, Graduate Division, University of California, Santa Barbara—memoirs of the Sudan, how the administration of British rule in Africa really worked.

ALEXANDER DALLIN, professor of history, Stanford University—the role of traditional political culture on current Soviet policy.

WILLIAM THEODORE DEBARY, executive vice-president for academic affairs and provost, Columbia University—neo-Confucianism and the Oriental traditions.

ADRIAAN D. DE GROOT, professor of methodology and behavioral sciences, University of Amsterdam—the forum function of science.

FRANCOIS G. DREYFUS, director, Institute of Political Studies, University of Strasbourg—a study of the elements that led Europeans to consider founding a community.

DAVID V. EDWARDS, professor of government, University of Texas, Austin—the politics of allegiance.

HANS-ULRICH EVERSS, professor of law, University of Salzburg—the protection of private and familial life by Article 8 of the European Convention on Human Rights.

DONALD E. FARRIS, professor of agricultural economics, Texas A&M—the world’s beef business.

JOHN L. I. FENNELL, professor of medieval and modern languages and literature, University of Oxford—Russia in the 13th century and the impact of the Mongol invasions.


KASIM GULEK, Ankara—problems of democracy in developing countries.

DIETER HENRICH, professor of philosophy, Heidelberg University—the philosophical problems of self-consciousness.

ERLAND HOFSTEN, professor of statistics, University of Stockholm—theory and measurement of population growth.

DONALD R. HOWARD, professor of English, Stanford University—a biography of Chaucer dealing with the influence of foreign contemporaries in the writing of fiction.

DERRICK B. JELLIFFE, head, Division of Population, Family and International Health, University of California, Los Angeles—assessment of the nutritional status of the community.

F. SIONIL JOSE, Philippines—a novel about man’s unending and often futile search for justice.

PAUL M. KATTENBURG, professor of government, University of South Carolina—the Vietnam trauma in American foreign policy.

JASCHA KESSLER, professor of English, University of California, Los Angeles—translations to English of the selected poems of Forugh Farrokhzad.

NORMAN KOGAN, professor of political science, University of Connecticut—a political history of postwar Italy.

CARL LANDE, professor of political science, University of Kansas—an Education for Development review report of the programs at the University of the Philippines.

UMA LELE, senior economist, the World Bank—strategy, policy, and implementation of the rural economy.

PETER LOEWENBERG, professor of history, University of California, Los Angeles—a political biography of Karl Renner (1870-1950), chancellor and president of Austria.

HARRIET RONKEN LYNTON, South Carolina—a biography of Sir Salar Jung, minister of Hyderabad, 1853-1883.

ROLF LYNTON, professor of public health and preventive medicine, University of South Carolina—professional education and the public interest.

GENE M. LYONS, associate dean of faculty for the social sciences, Dartmouth College—the origins and evolution of UN economic and social programs and their role in the changing system of international relations.
GERARD J. MANGONE, director, Center for the Study of Marine Policy, University of Delaware—international straits of the world.


JOHN M. McMANNERS, regius professor of ecclesiastical history, Christ Church, Oxford—changing attitudes toward death in 18th-century France.

JOHN MELLOR, director, International Food Policy Research Institute—strategy, policy, and implementation of the rural economy.

WALTER J. MESERVE, professor of theatre and drama, Indiana University—a history of American drama.


DAVID MORLEY, professor of tropical child health, Institute of Child Health, University of London—pediatric priorities in the developing world.

A. T. MOSHER, president, Agricultural Development Council, Inc.—strategies for rapid agricultural development.

BERT NAGEL, Heidelberg—the negative role of rhyme in German poetry.

MARC NERLOVE, Cook Professor of Economics, Northwestern University—population and economic growth.

CONSTANCE PERIN, fellow, Institute for Independent Study, Radcliffe College—a social and cultural analysis of the modern American residential environment.

MARIANO PINTUS, Rome—the process of Europe’s unification.


ALAN R. PREST, professor of economics, London School of Economics and Political Science—land taxation in advanced countries.

MARK M. RAVITCH, surgeon-in-chief, Montefiore Hospital and professor of surgery, University of Pittsburgh—a history of the American Surgical Association.

ROBERT V. REMINI, professor of history, University of Illinois—a biography of Andrew Jackson.

RUTHERFORD D. ROGERS, university librarian, Yale University—the training of research librarians to work under the changing conditions brought on by new information technology.

MILTON ROKEACH, professor of sociology, Washington State University—the impact of television on beliefs and behavior.
SHELDON ROTHBLATT, professor of history, University of California, Berkeley—a social and cultural history of British higher education.

VICTORIA ROTHSCHILD, lecturer in English, University of London—Chaucer's relation to a philosophical tradition and his significance as an English poet.

AUGUST SCHUMACHER, senior economist, the World Bank—Mexican rural development.

GEBHARD SCHWEIGLER, research fellow, Forschungsinstitut der Deutschen Gesellschaft für Auswartige, Germany—American foreign policy after the Kissinger era.

RICHARD SELZER, New Haven—stories relating to medicine.

JAMES R. SIMPSON, associate professor of agricultural economics, University of Florida—the world's beef business.

LOUIS L. SYNDER, professor of history, City College of the City University of New York—macro-nationalisms and mini-nationalisms.

IVAN SOLL, professor of philosophy, University of Wisconsin—conceptions of pleasure and pain in various philosophical, psychological, and physiological theories.

PETER STEIN, regius professor of civil law, Queens College, Cambridge—a history of European civil law.

JOLINDA A. TRAUGH, associate professor of biochemistry, University of California, Riverside—regulation of protein synthesis by phosphorylation.

ROBERT VAN NIEL, professor of history, University of Hawaii—the socioeconomic relationships of 19th-century Javanese society.

HENRI J. VERTIÄNEN, director of economics, Council of Economic Organizations, Finland—the efficient functioning of the Finnish economic system.


WILLIAM WALSH, chairman, School of English, University of Leeds—the poet Keats and The Education of Sensitivity.

JAMES V. WARREN, professor of medicine, Ohio State University—the clinical training of the medical student.

EUGENE WEBER, dean, College of Letters and Science, University of California, Los Angeles—peasants and politics in France.

GERHARD L. WEINBERG, professor of history, University of North Carolina—German foreign policy during World War II.
WITKOR WEINTRAUB, Alfred Jurzykowski Professor of Polish Language and Literature, emeritus, Harvard University—prophetic poetics of Polish romantic poet Adam Mickiewicz.


RUTH L. WHITE, professor of French, University of British Columbia—the relationship between poetry and music.
FELLOWSHIPS

There are two types of Foundation fellowships. The first are awarded under special fellowship programs funded by appropriations from program funds and administered by the programs involved. Such fellowships awarded in 1979 are listed on previous pages as follows:

- International Relations, page 86
- Equal Opportunity, pages 39-40
- Arts, Humanities and Contemporary Values, pages 44-47, 51-54
- Population and Health, pages 72-74, 77

The second type—funded through a separately designated annual appropriation—is made up of three categories of awards: general fellowships, administered by the Fellowship Office; postdoctoral awards in the Conquest of Hunger program; and visiting research fellowships, administered by the programs involved. Fellowships awarded in these three categories in 1979 are listed below.

GENERAL FELLOWSHIPS

General fellowship awards are made to individuals from all over the world who show outstanding promise in fields related to the Foundation’s area interests. The intention of the general fellowship program is to help prepare award recipients to make significant contributions to research and teaching or public service in the future. For 1979, Foundation trustees approved a fund of $2,235,000 for this program.

During 1979, a total of 193 persons held general Foundation fellowships. Of this total, 149 that began in previous years continued active in 1979, and 44 new awards became active during the year. Their distribution is as follows:

<table>
<thead>
<tr>
<th>Field</th>
<th>Study awards from previous years continued into 1979</th>
<th>New awards in 1979</th>
<th>Number of awards active in 1979</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICULTURAL SCIENCES</td>
<td>53</td>
<td>15</td>
<td>68</td>
</tr>
<tr>
<td>NATURAL AND ENVIRONMENTAL SCIENCES</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>HEALTH SCIENCES</td>
<td>13</td>
<td>7</td>
<td>20</td>
</tr>
<tr>
<td>POPULATION SCIENCES</td>
<td>3</td>
<td>13</td>
<td>16</td>
</tr>
<tr>
<td>SOCIAL SCIENCES</td>
<td>64</td>
<td>9</td>
<td>73</td>
</tr>
<tr>
<td>HUMANITIES</td>
<td>15</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

| Total                        | 149                                                  | 44                 | 193                             |

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Rockefeller Foundation fellows in 1979, under the general fellowship program, came from the following countries:

<table>
<thead>
<tr>
<th>Country</th>
<th>Previous awards</th>
<th>New awards</th>
<th>Previous awards</th>
<th>New awards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazil</td>
<td>5</td>
<td>2</td>
<td>Lebanon</td>
<td>1</td>
</tr>
<tr>
<td>Chile</td>
<td>1</td>
<td></td>
<td>Mexico</td>
<td>6</td>
</tr>
<tr>
<td>China, People's Republic of</td>
<td>5</td>
<td></td>
<td>Nigeria</td>
<td>7</td>
</tr>
<tr>
<td>Colombia</td>
<td>7</td>
<td>1</td>
<td>Paraguay</td>
<td>1</td>
</tr>
<tr>
<td>Costa Rica</td>
<td>1</td>
<td></td>
<td>Philippines</td>
<td>4</td>
</tr>
<tr>
<td>Dominican Republic</td>
<td>1</td>
<td></td>
<td>Portugal</td>
<td>1</td>
</tr>
<tr>
<td>Ecuador</td>
<td>1</td>
<td></td>
<td>Sudan</td>
<td>1</td>
</tr>
<tr>
<td>Ethiopia</td>
<td>2</td>
<td></td>
<td>Tanzania</td>
<td>8</td>
</tr>
<tr>
<td>Guatemala</td>
<td>1</td>
<td></td>
<td>Thailand</td>
<td>27</td>
</tr>
<tr>
<td>Haiti</td>
<td>1</td>
<td></td>
<td>Turkey</td>
<td>3</td>
</tr>
<tr>
<td>India</td>
<td>1</td>
<td></td>
<td>United Kingdom</td>
<td>1</td>
</tr>
<tr>
<td>Indonesia</td>
<td>20</td>
<td>8</td>
<td>United States</td>
<td>27</td>
</tr>
<tr>
<td>Japan</td>
<td>2</td>
<td></td>
<td>Zaire</td>
<td>16</td>
</tr>
<tr>
<td>Kenya</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The following section lists the 1979 general fellowship awardees by country of origin under the Foundation programs to which their area of study related.

Key to abbreviations: AS—Agricultural Sciences, F—Fellow, GND—Great Neglected Diseases, HS—Health Sciences, HUM—Humanities, IS—Information Service, PS—Population Sciences, RB—Reproductive Biology, SS—Social Sciences.
CONQUEST OF HUNGER

Ecuador

India

Sudan

Thailand

Turkey

United States
LAWYER, ARTHUR LEWIS, PH.D., Yale University, 1979. Plant biochemistry. Appointed from Yale University. Place of study: U.S.A. F-AS


EDUCATION FOR DEVELOPMENT

Brazil
Indonesia

DARJONO, M.S., University of Minnesota, 1976. Veterinary pathology. Appointed from Gadjah Mada University. Place of study: U.S.A. F-AS

HADIYONO, JOHANA ENDANG PRAWITASARI, SARJANA, Gadjah Mada University, 1973. Clinical psychology. Appointed from Gadjah Mada University. Place of study: U.S.A. F-SS

LEKSONO PROBO SUBANU, SARJAN TECNIK ARSITEKTUR, Gadjah Mada University, 1975. Urban and regional planning. Appointed from Gadjah Mada University. Place of study: U.S.A. F-SS


SUDJARWADI, SARJANA, Gadjah Mada University, 1975. Irrigation engineering. Appointed from Gadjah Mada University. Place of study: Thailand. F-AS

SUGENG YUWONO MARDHIUSODO, M.D., Gadjah Mada University, 1970. Tropical medicine. Appointed from Gadjah Mada University. Place of study: Thailand. F-HS


Kenya


Nigeria

AJENE, OGA GODWIN, M.SC., Ahmadu Bello University, 1977. Political science. Appointed from Ahmadu Bello University. Place of study: U.S.A. F-SS

Philippines


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**Thailand**


**Smint Kaojarern**, M.D., Mahidol University, 1975. Clinical pharmacology. Appointed from Mahidol University. Place of study: U.S.A. F-HS

**Population and Health**

**Brazil**


**China, People's Republic of**

**Cao, Yung Qing**, Ph.D., Institute of Biochemistry, Shanghai, 1961. Reproductive biology. Appointed from Academia Sinica, Peking. Place of study: U.S.A. F-PS-RB


**Tsong, Shu-Dong**, M.D., Harbin Medical College, 1952. Reproductive biology. Appointed from Academy of Medical Sciences, Peking. Place of study: U.S.A. F-PS-RB


**Colombia**

Haiti

Pape, Jean William, M.D., Cornell University, 1975. Infectious diseases. Appointed from Cornell University Medical Center. Place of study: U.S.A. F-HS-GND

Japan

Maruo, Takeshi, M.D., Kobe University, 1969. Reproductive biology. Appointed from Kobe University. Place of study: U.S.A. F-PS-RB

Yamamura, Ken-Ichi, M.D., Osaka University, 1978. Reproductive biology. Appointed from Toyama Medical and Pharmaceutical University. Place of study: U.S.A. F-PS-RB

Nigeria

Adejuwon, Christopher A., Ph.D., University of Ibadan, 1976. Reproductive biology. Appointed from University of Ibadan. Place of study: U.S.A. F-PS-RB

Philippines

Olveda, Remigio Medina, M.D., University of The East—Ramon Magsaysay Medical Center, Quezon City, 1973. Gastroenterology. Appointed from University of the Philippines. Place of study: U.S.A. F-HS

United Kingdom


United States


POSTDOCTORAL AWARDS UNDER CONQUEST OF HUNGER PROGRAM

This program provides opportunities for young American social and agricultural scientists to conduct research at foreign institutions.

Six postdoctoral fellows were appointed in 1979.

BAILEY, L. CONNER, JR.—a rural sociologist, conducting research on the socioeconomics of fishing and fish marketing, at the International Center for Living Aquatic Resources Management in the Philippines. (ss)

FERRONI, MARCO A.—an agricultural economist, conducting regional research on the socioeconomic factors affecting potato production, at the Instituto Nacional de Investigaciones Agrícolas in Mexico. (ss)

HOPKINS, KEVIN D.—a specialist in fisheries research, conducting applied research aimed at establishing reliable quantitative guidelines for the development of efficient animal-fish farms under tropical conditions, at the International Center for Living Aquatic Resources Management in the Philippines, in cooperation with Central Luzon State University. (AS)

LANDO, RICHARD P.—an anthropologist, conducting research on rural self-help organizations in Thailand, at the Thai Khadi Institute, Thammasat University, Bangkok. (ss)

PACHICO, DOUGLAS H.—an agricultural economist, conducting an economic survey of cassava processing and marketing in Colombia, at the International Center for Tropical Agriculture in Colombia. (ss)

RAINTREE, JOHN B.—an anthropologist, conducting research designed to develop methods of crop management and land use for the humid and subhumid tropics, at the International Center for Tropical Agriculture in Nigeria. (ss)

VISITING RESEARCH FELLOWS

In 1977, the Foundation established a program to bring young scholars to the New York office for limited periods of time. Their responsibilities are divided between defined research projects related to a Foundation program or department objective and internship activities intended to contribute to their understanding of the Foundation and to their professional development.

Four visiting research fellows were appointed during 1979.

EBERSTADT, NICHOLAS N.—assistance in the development of internal and public studies and reports. (is)

LIPKIN, MACK, JR.—research in writing on the relation of psychological and social issues to medical practice. (HS)

MCPHERSON, MALCOLM F.—research on food policy for development. (AS)

POSNER, JOSHUA L.—research on fragile environments and marginal lands. (AS)
## SUMMARY

The grants announced, program costs incurred and expenditures in 1979 are summarized as follows:

<table>
<thead>
<tr>
<th>GRANTS AND PROGRAMS</th>
<th>GRANTS ANNOUNCED AND</th>
<th>PROGRAM COSTS INCURRED</th>
<th>EXPENDITURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts, Humanities and Contemporary Values</td>
<td>$5,682,637</td>
<td>$6,150,586</td>
<td></td>
</tr>
<tr>
<td>Conquest of Hunger</td>
<td>7,602,440</td>
<td>7,220,985</td>
<td></td>
</tr>
<tr>
<td>Education for Development</td>
<td>6,482,399</td>
<td>6,871,860</td>
<td></td>
</tr>
<tr>
<td>Educational Publishing</td>
<td>537,673</td>
<td>555,754</td>
<td></td>
</tr>
<tr>
<td>Equal Opportunity</td>
<td>4,031,642</td>
<td>5,542,898</td>
<td></td>
</tr>
<tr>
<td>International Relations</td>
<td>4,110,925</td>
<td>4,112,817</td>
<td></td>
</tr>
<tr>
<td>Population and Health</td>
<td>8,759,027</td>
<td>9,779,643</td>
<td></td>
</tr>
<tr>
<td>Quality of the Environment</td>
<td>1,002,202</td>
<td>1,138,897</td>
<td></td>
</tr>
<tr>
<td>Special Interests and Explorations</td>
<td>3,047,796</td>
<td>2,669,448</td>
<td></td>
</tr>
<tr>
<td>Deduct: Lapses, refunds, and reversions</td>
<td>(1,396,126)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL GRANTS AND PROGRAMS</strong></td>
<td><strong>$39,860,615</strong></td>
<td><strong>44,042,888</strong></td>
<td></td>
</tr>
<tr>
<td>General administrative expenditures</td>
<td></td>
<td>3,885,551</td>
<td></td>
</tr>
<tr>
<td>Capital expenditures</td>
<td></td>
<td>153,990</td>
<td></td>
</tr>
<tr>
<td>Federal excise tax paid</td>
<td></td>
<td>876,033</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$48,958,462</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The market value of the Foundation’s investments at December 31, 1979 was approximately $788 million, $43 million higher than a year ago. The allocation between equity and fixed income investments over the year was approximately 78% - 22%, only a minor change from a year ago. Income increased to $52 million from $44 million in 1978; this record high figure includes the increased income resulting from the temporary conversion of approximately $100 million of stocks into high-yielding short-term securities in the last quarter of the year. Net investment income after federal excise tax and investment expenses exceeded expenditures for the first time since 1955.

One of the fully discretionary equity managers, Chase Investors Management, was discontinued during the third quarter of the year. Concurrently, the decision was taken to increase the number of fully discretionary equity managers to four. Effective January 1, 1980, Batterymarch Financial Management Corporation, Dreyfus Management, Inc., and Roulston & Company, Inc. will receive $50 million each and join Thorndike, Doran, Paine & Lewis as the Foundation’s outside stock managers. There was no change in the management of the bond funds. Two bond funds of $91 million and $59 million were managed by independent investment managers on a full discretion basis. The balance of the funds, approximately $450 million, chiefly in equities, continues to be managed internally with the assistance of professional investment counsel. Total return on overall investments was 13.7% compared with 18.2% on the S & P 500 and 10.4% on the DJIA and a decline of 4.2% for the Salomon bond index. Both bond funds outperformed the bond indexes, one with a negative return of 1%, the other with a positive return of 7.7%. The outside equity manager outperformed the S & P 500 by a small margin.
Since its founding in 1913, The Rockefeller Foundation has paid out approximately $1 billion 422 million, of which $1 billion 139 million came from income and $283 million came from principal.

The financial statements for 1979 and 1978 and the opinion of Arthur Young & Company, certified public accountants, are presented on the following pages.
The Board of Trustees
The Rockefeller Foundation

We have examined the accompanying statement of assets, obligations and principal fund of The Rockefeller Foundation at December 31, 1979 and 1978 and the related statements of operations and changes in principal fund and changes in financial position for the years then ended. Our examinations were made in accordance with generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the statements mentioned above present fairly the financial position of The Rockefeller Foundation at December 31, 1979 and 1978, and the results of operations, changes in principal fund and changes in financial position for the years then ended, in conformity with generally accepted accounting principles applied on a consistent basis during the period.

February 22, 1980

Arthur Young & Company
# Statement of Assets, Obligations and Principal Fund
## December 31, 1979 and 1978

### Assets

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketable securities, at quoted market value (Note 6)</td>
<td>$787,558,212</td>
<td>$745,387,625</td>
</tr>
<tr>
<td>Cash (including interest-bearing accounts)</td>
<td>1,383,015</td>
<td>378,792</td>
</tr>
<tr>
<td>Accounts receivable (primarily security sales)</td>
<td>8,329,305</td>
<td>1,412,368</td>
</tr>
<tr>
<td>Dividends and interest receivable</td>
<td>6,300,216</td>
<td>4,813,469</td>
</tr>
<tr>
<td>Property—at depreciated cost</td>
<td>2,001,193</td>
<td>1,919,244</td>
</tr>
<tr>
<td><strong>Total assets</strong></td>
<td><strong>$805,571,941</strong></td>
<td><strong>$753,911,498</strong></td>
</tr>
</tbody>
</table>

### Obligations and Principal Fund

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounts payable and accrued liabilities</td>
<td>$ 4,695,544</td>
<td>$ 3,182,233</td>
</tr>
<tr>
<td>Federal excise tax payable (Note 2)</td>
<td>1,066,916</td>
<td>858,374</td>
</tr>
<tr>
<td>Deferred federal excise tax (Note 2)</td>
<td>2,481,752</td>
<td>1,548,599</td>
</tr>
<tr>
<td>Appropriations by the Trustees, announced and released for specific purposes but not yet paid (Note 4)</td>
<td>22,932,881</td>
<td>27,147,247</td>
</tr>
<tr>
<td><strong>Total obligations</strong></td>
<td><strong>31,177,093</strong></td>
<td><strong>32,736,453</strong></td>
</tr>
</tbody>
</table>

### Principal Fund

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriations by the Trustees not yet released for specific grantees, and appropriations for program costs and general administrative expenses for the following year (Note 4)</td>
<td>48,981,697</td>
<td>48,030,655</td>
</tr>
<tr>
<td>Unappropriated</td>
<td>725,413,151</td>
<td>673,144,390</td>
</tr>
<tr>
<td><strong>Total principal fund</strong></td>
<td><strong>774,394,848</strong></td>
<td><strong>721,175,045</strong></td>
</tr>
<tr>
<td><strong>Total obligations and principal fund</strong></td>
<td><strong>$805,571,941</strong></td>
<td><strong>$753,911,498</strong></td>
</tr>
</tbody>
</table>

*See accompanying notes.*

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## STATEMENT OF OPERATIONS AND CHANGES IN PRINCIPAL FUND
### YEARS ENDED DECEMBER 31, 1979 and 1978

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>1978</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Investment income:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dividends</td>
<td>$ 31,290,875</td>
<td>$ 28,593,612</td>
</tr>
<tr>
<td>Interest</td>
<td>20,723,904</td>
<td>15,651,407*</td>
</tr>
<tr>
<td>Other</td>
<td>86,704</td>
<td>114,128*</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>52,101,483</td>
<td>44,359,147</td>
</tr>
<tr>
<td><strong>Less: investment expenses</strong></td>
<td>995,066</td>
<td>879,265</td>
</tr>
<tr>
<td><strong>Investment income before federal excise tax</strong></td>
<td>51,106,417</td>
<td>43,479,882</td>
</tr>
<tr>
<td><strong>Less: provision for federal excise tax (Note 2)</strong></td>
<td>1,022,128</td>
<td>780,564</td>
</tr>
<tr>
<td><strong>Net investment income</strong></td>
<td>50,084,289</td>
<td>42,699,318</td>
</tr>
<tr>
<td><strong>Grants announced and program costs incurred during the year</strong></td>
<td>39,860,615</td>
<td>40,511,056</td>
</tr>
<tr>
<td><strong>General administrative expenses</strong></td>
<td>3,925,499</td>
<td>3,578,447</td>
</tr>
<tr>
<td><strong>Principal fund at beginning of year</strong></td>
<td>721,175,045</td>
<td>710,100,775</td>
</tr>
<tr>
<td><strong>Increase in unrealized appreciation on marketable securities net of provision for deferred federal excise tax</strong></td>
<td>34,115,233</td>
<td>7,465,050</td>
</tr>
<tr>
<td><strong>Realized gain on sale of marketable securities (less provision for federal excise tax)</strong></td>
<td>12,758,888</td>
<td>4,966,783</td>
</tr>
<tr>
<td><strong>Contributions to the Foundation</strong></td>
<td>47,507</td>
<td>32,622</td>
</tr>
<tr>
<td><strong>Principal fund at end of year</strong></td>
<td>$774,394,848</td>
<td>$721,175,045</td>
</tr>
</tbody>
</table>

*Reclassified to conform to 1979 presentation.

See accompanying notes.
## STATEMENT OF CHANGES IN FINANCIAL POSITION
### YEARS ENDED DECEMBER 31, 1979 and 1978

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>1979</th>
<th>1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investment income before federal excise tax</td>
<td>$51,106,417</td>
<td>$43,479,882</td>
</tr>
<tr>
<td>Securities and repurchase agreement transactions:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proceeds from sales</td>
<td>1,457,610,083</td>
<td>2,081,715,383</td>
</tr>
<tr>
<td>Less: purchases</td>
<td>1,451,910,949</td>
<td>2,080,041,562</td>
</tr>
<tr>
<td>Net change in accounts receivable, advances,</td>
<td>5,699,134</td>
<td>1,673,821</td>
</tr>
<tr>
<td>dividends and interest receivable, accounts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>payable and accrued liabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash contributions to the Foundation</td>
<td>47,507</td>
<td>32,622</td>
</tr>
<tr>
<td>Cash contributed to the Foundation</td>
<td>49,562,685</td>
<td>47,812,671</td>
</tr>
</tbody>
</table>

### Application of Funds:

<table>
<thead>
<tr>
<th>Expenditures for grants and programs:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts, Humanities and Contemporary Values</td>
<td>6,150,586</td>
<td>6,036,310</td>
</tr>
<tr>
<td>Conquest of Hunger</td>
<td>7,220,985</td>
<td>6,922,852</td>
</tr>
<tr>
<td>Education for Development</td>
<td>6,871,860</td>
<td>6,944,387</td>
</tr>
<tr>
<td>Educational Publishing</td>
<td>555,754</td>
<td>567,708</td>
</tr>
<tr>
<td>Equal Opportunity</td>
<td>5,542,898</td>
<td>5,827,153</td>
</tr>
<tr>
<td>International Relations</td>
<td>4,112,817</td>
<td>3,211,961</td>
</tr>
<tr>
<td>Population and Health</td>
<td>9,779,643</td>
<td>8,941,093</td>
</tr>
<tr>
<td>Quality of the Environment</td>
<td>1,138,897</td>
<td>2,314,001</td>
</tr>
<tr>
<td>Special Interests and Explorations</td>
<td>2,069,448</td>
<td>1,769,823</td>
</tr>
<tr>
<td></td>
<td>44,042,888</td>
<td>42,535,288</td>
</tr>
<tr>
<td>General administrative expenditures</td>
<td>3,885,551</td>
<td>3,516,216</td>
</tr>
<tr>
<td>Capital expenditures</td>
<td>153,990</td>
<td>154,000</td>
</tr>
<tr>
<td>Federal excise tax paid</td>
<td>876,033</td>
<td>1,590,160</td>
</tr>
<tr>
<td></td>
<td>48,958,462</td>
<td>47,795,664</td>
</tr>
<tr>
<td>Increase in cash</td>
<td>1,004,223</td>
<td>17,007</td>
</tr>
<tr>
<td>Cash balance at beginning of year</td>
<td>378,792</td>
<td>361,785</td>
</tr>
<tr>
<td>Cash balance at end of year</td>
<td>$1,383,015</td>
<td>$378,792</td>
</tr>
</tbody>
</table>

See accompanying notes.
1. **Summary of significant accounting policies**

Marketable securities are reported on the basis of quoted market value and investment income and expense are reported on an accrual basis.

Appropriations by the Trustees are charged to operations when grants are announced and released for specific grantees. Program costs and general administrative expenses are charged to operations when incurred. Appropriations made but not released for specific grantees and program costs and general administrative expenses for the following year are considered as appropriated principal fund.

Expenditures for capital items and major improvements are included in the property account and depreciated on a straight-line basis over the lives of the respective assets or amortized over the term of the lease. Total depreciation and amortization expense amounted to $72,041 in 1979 and $114,893 in 1978.

Federal excise tax is accrued on investment income less investment expenses, and on net realized tax basis gains from securities sales. Deferred federal excise tax arises from timing differences between financial and tax reporting relating to investment income and the change between the tax basis and market value of marketable securities.

2. **Federal Excise Tax**

The Foundation qualifies as a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code and accordingly is not subject to federal income tax. However, the Foundation is classified as a private foundation and as such, under the Tax Reform Act of 1969 as modified by the Revenue Act of 1978, is subject to a federal excise tax of 2% on investment income less investment expenses, and on net realized taxable gains on security transactions.

Not less than the fair market value at December 31, 1969 of securities owned at that date is used as the basis for determining taxable gains on subsequent sales of such securities. In 1978 there were no net realized taxable gains on the disposition of securities; in 1979 net realized gains on disposition of securities in the amount of $4,640,682 were subject to federal excise tax. The basis for calculating taxable gains of securities held at December 31, 1979 is approximately $670,000,000.

3. **Pension Plan**

The Foundation has a non-contributory pension plan with vesting for regular salaried employees who are at least 25 years old and with one year's service or have attained the age of 40. It is the Foundation's policy to fund all current pension obligations as incurred and to amortize unfunded past service costs over a period of ten years. Pension expense under this plan, including charges for current service and amortization of unfunded prior service costs, amounted to $1,542,000 in 1979 and $1,432,000 in 1978. The actuarially computed value of vested benefits at the latest valuation date exceeded the market value of the pension fund assets by approximately $2,167,000.

At December 31, 1979 the premiums payable through March 1, 1987 to complete the purchase of annuities for personnel who retired under The Rockefeller Foundation's Retirement Plans in effect prior to April 1, 1975, were approximately $2,693,000.
4. Appropriations and expenditures

Appropriations and expenditures for the year are summarized as follows:

<table>
<thead>
<tr>
<th></th>
<th>TOTAL APPROPRIATED</th>
<th>ANNOUNCED AND RELEASED</th>
<th>APPROPRIATED BUT NOT RELEASED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance, January 1, 1979</td>
<td>$75,177,902</td>
<td>$27,147,247</td>
<td>$48,030,655</td>
</tr>
<tr>
<td>Appropriations by the Trustees</td>
<td>48,509,900</td>
<td>11,092,508</td>
<td>37,417,392</td>
</tr>
<tr>
<td>Less: lapses and refunds</td>
<td>(3,690,795)</td>
<td>(1,246,263)</td>
<td>(2,444,532)</td>
</tr>
<tr>
<td>Reversions</td>
<td>(149,863)</td>
<td>149,863</td>
<td></td>
</tr>
<tr>
<td>Released from prior years' appropriations</td>
<td>34,171,681</td>
<td>(34,171,681)</td>
<td></td>
</tr>
<tr>
<td>Expenditures for grants, program costs, administrative expenses and capital items</td>
<td>(48,082,429)</td>
<td>(48,082,429)</td>
<td></td>
</tr>
<tr>
<td>Balance, December 31, 1979</td>
<td>$71,914,578</td>
<td>$22,932,881</td>
<td>$48,981,697</td>
</tr>
</tbody>
</table>

5. Long-term leases

At December 31, 1979 minimum rental commitments under non-cancellable leases, principally for headquarters office space, aggregate approximately $10,000,000 and are payable approximately $720,000 annually until 1994. The Foundation also is required to pay additional amounts for maintenance and taxes for the headquarters office. Rental expense included in the statement of operations was approximately $890,000 in 1979 and $878,000 in 1978.

6. Marketable securities

<table>
<thead>
<tr>
<th></th>
<th>December 31, 1979</th>
<th>December 31, 1978</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ledger Amount*</td>
<td>Quoted Market Value</td>
</tr>
<tr>
<td>U.S. Government Obligations</td>
<td>$ 97,218,493</td>
<td>$ 90,691,313</td>
</tr>
<tr>
<td>Certificates of Deposit</td>
<td>36,932,880</td>
<td>36,932,880</td>
</tr>
<tr>
<td>Corporate Obligations</td>
<td>138,642,789</td>
<td>135,324,011</td>
</tr>
<tr>
<td>Other Investment</td>
<td>1,296,910</td>
<td>960,930</td>
</tr>
<tr>
<td></td>
<td>274,091,072</td>
<td>263,909,134</td>
</tr>
<tr>
<td>Convertible Bonds</td>
<td>650,375</td>
<td>564,500</td>
</tr>
<tr>
<td>Preferred Stock</td>
<td>3,125,269</td>
<td>2,082,350</td>
</tr>
<tr>
<td>Common Stock</td>
<td>249,766,755</td>
<td>522,072,201</td>
</tr>
<tr>
<td></td>
<td>253,542,399</td>
<td>524,719,201</td>
</tr>
<tr>
<td>Subtotal</td>
<td>527,633,471</td>
<td>788,628,335</td>
</tr>
<tr>
<td>Liability from Sales of Options</td>
<td>(1,199,494)</td>
<td>(1,070,123)</td>
</tr>
<tr>
<td>Total</td>
<td>$526,513,977</td>
<td>$787,558,212</td>
</tr>
</tbody>
</table>

*Fair market value at date of gift or purchase cost.

During 1979, the Foundation continued a securities lending program under which the Foundation, through its custodian bank, loans its securities to various securities dealers.
The securities dealers are required to deposit with the custodian and maintain collateral equal to at least 100% of the market value of the securities loaned. Cash collateral received is invested by the Foundation in interest-bearing instruments. The ownership and voting rights to the loaned securities are transferred to the securities dealers; however, the Foundation retains the rights to dividends and other distributions as well as the benefits and detriments of market-value fluctuations from such securities.

The accompanying statement includes securities with a market value of approximately $59,374,000 (ledger amount—$53,952,000) which were on loan, and the Foundation held collateral with a market value of approximately $63,270,000.

During 1979, the Foundation commenced writing covered call options on certain securities in its portfolio. At December 31, 1979 options were outstanding on securities with a market value aggregating $13,209,000 (ledger amount—$8,765,000).

The total value of marketable securities on which the Foundation has sold call options is reduced by the current market value of the outstanding options. The difference between proceeds from the sale of the option and its current market value is reflected as an unrealized gain or loss. Upon expiration of the option, the proceeds received are reflected as a realized gain on securities transactions. If the Foundation purchases an offsetting call option to close an outstanding contract, the difference between the proceeds received and paid is reflected in gain or loss from securities transactions.
INDEX

Academy of Behavioral Medicine Research 78
Academy of Judaic, Christian, and Islamic Studies 50
Affiliated Hospitals Center 75
Almy, Susan W. 10
Alonzo, Rupert 88
American Center for Students and Artists 48
American Dance Festival 41, 56
American Film Institute 50
American Historical Association 50
Amistad Research Center 39
Anderson, Bernard E. 9, 21
Anderson, R. Glenn 12
Andrews, Lowry B. 7
Arbab, Farzam 10
Arms Control Association 81
Arts, Humanities and Contemporary Values, RF program in 22-24
Arts 22-23, 41-49, fellowships 44-47
Humanities 23-24, 50-57, fellowships 51-54
Arts and Business Council 90
Ashley, Robert 42
Asia Society 50
Asociación para el Desarrollo 58, 84
Aspen Institute for Humanistic Studies 54, 58, 81
Association for Population/Family Planning Libraries and Information Centers—International 68
Atlanta University 37, 38
Atlantic Council 81
Atelas Theatre Company 41
Atrash, Hani K. 70
Aurora Music Foundation 41
Australian National University 71

Barnish, Guy 12
Barron, Ross 41
Bartholomew, Richard K. 12
Bass, Jack 39
Bay Area Video Coalition 41
Baylor College of Medicine 68
Beck, Stephen 41
Bellagio Study and Conference Center 92-102
Berman, Ronald 50
Black, Joseph E. 11
Blumenthal, W. Michael 6, 16
Bogazici Universitesi 63
Bookmyer, Joseph R. 7
Borlaug, Norman E. 12
Boston University 88
Boyce Thompson Institute for Plant Research 60, 61, 65
Brazilian University 36
Brazilian Society for Instruction 61
Brigham Hospital 75
British American Arts Association 48

Brontë, D. Lydia 7
Brookings Institution 83
Buchwalter, Ellen S. 8
Buhr, Kenneth L. 10
Burgess, David Lowry 42
Byrnes, Francis C. 14

Cahn, Steven M. 8
Cairo University 76
California State University 56
Case Western Reserve University 75, 76
Celli, Roberto 11
Center for Disease Control 70
Center for Inter-American Relations 82
Center for Public Resources 90
Central Luzon State University 61
Centre de Recherche pour l’Etude et l’Observation des Conditions de Vie 78
Centro Agronómico Tropical de Investigación y Enseñanza 59
Centro de Investigación y Desarrollo de la Educación 59
Centro de Pesquisas e Controle das Doencas Materno-Infantis de Campinas 70
Chelsea College 66
Chimera Foundation for Dance 48
City College 88
Clarke, Martha 42
Coalition of National Voluntary Organizations 90
Colegio de Mexico 71
Coleman, Donna 42
Coleman, James S. 89
Colton, Joel 8
Columbia University 51, 54, 56, 68, 71
Comité Permanent Interétats de Lutte Contre la Sécheresse dans le Sahel 59
Committee for Economic Development 84
Committee on Poetry 42
Concordia University 84
Congregação Mariana Universitária 61
Connolly, Elizabeth F. 8
Conquest of Hunger, RF program in 24-25, 58-64, fellowships 106-08, 110
Consultative Group on International Economic and Monetary Affairs 84
Consumers Union Foundation 56
Cooperative League Fund 37
Cornell, Wayns 82
Cornell University 59, 69, 70, 71, 76, 89
Corporation for Public Broadcasting 48
Cottingham, Phoebe H. 9
Council for Asian Manpower Studies 71
Council on Foreign Relations 82
Court, David 11
Cross, Lloyd 43
Cultural Council Foundation 56
Cummings, Ralph W., Jr. 14
Dartmouth College 49
Daunys, Alexander 7

© 2003 The Rockefeller Foundation
Davidson, Ralph K.  9
Davis, Jamie  42
Dayton, Kenneth N.  6
Deagle, Edwin A.  8
Delehanty, George E.  13
Diamonstein, Barbaralee  56
Dodson, Richard  9
Douglas, Johnson E.  10
Downtown Community Television
   Center  42
Education for Development, RF program in
   fellowships 106-08
Einstein College of Medicine  78
Elliott, Howard J. C.  14
Equal Opportunity, RF program in
   fellowships 39-40
Eugene O'Neill Memorial Theater
   Center  49
Evans, John  79
Fagen, Richard R.  82
Federal University of Bahia  87
Feld, Elliot  44
fellowships in: agriculture 106-08, 110; arts
   44-47; education for development 106-
   08; equal opportunity 39-40; health 77,
   108-10; humanities 51-54; international
   relations 86; population 72-74, 108-10;
   postdoctoral 110; social sciences 106-08,
   110; visiting research 110
Fink, Kenneth  56
Fitzgerald, Kit  42
Fletcher, James C.  6
Foreign Policy Study Foundation  82
Foundation Center  90
Foundation for Development Studies  63
Foundation for Independent Video and
   Film  49
Frederick Douglass Museum of African
   Art  56
Freeman, Wayne H.  14
Frontier Nursing Service  56, 71
Frye, Theodore R.  7
Rienzahua, Luis A.  10
Fundación para la Educación Superior
   59, 89
Gadjah Mada University  87
Gallegos, Herman E.  6, 15
Garcia, Alberto Hernandez  71
Garfield, Susan  7
Garonzik, Anne  8
George Washington University  38
Gibbs, David L.  76
Gluck, Sharna  56
Goldsmiths' College  48
Granelli, Gerald  42
Grant, James P.  6
Grant, Ulysses J.  14
Gray, Clarence C., III  8
Greenfield, Beth  9
Gremp, David  57
Guttmacher Institute  72
Hackley School  42
Haleakala  42
Hall Institute of Medical Research  75
Hampshire College  51
Hardin, Clifford M.  6
Harrar, J. George  7
Harris, Patricia  9
Harrison, Dorothy G.  55
Harvard University  76, 78, 84
Harwood, John H.  84
Harwood, Roland E.  12
Hayashi, Arawana  42
Health-Welfare-Recreation Planning
   Council  55
Heaton, Herbert  7
Hebrew University of Jerusalem  69, 76
Hedgeman, Anna A.  39
Hesburgh, Theodore M.  6
Hess, J. William  7
Hildebrand, Peter E.  13
Hoffman, Joshua  42
Hommel, Marcel  77
Hospital Audiences  49
House, Leland R.  11
Howard University  69
Hykes, David  43
IMAGES  43
Indiana University  51
Indian Institute of Technology  84
Indochina Refugee Action Center  90
Institute for Advanced Study  55
Institute for Policy Research  65
Institute of the American Musical
   Center  49
International Agricultural Development
   Service  59
International Center for Living Aquatic
   Resources Management  59
International Centre of Insect Physiology and
   Ecology  61
International Center of Tropical
   Agriculture  59
International Council for Educational
   Development  90
International Council for Research on
   Agroforestry  63
International Fertilizer Development
   Center  59
International Food Policy Research
   Institute  63
International Institute for Environment and
   Development  90
International Institute for Strategic
   Studies  82
International Laboratory for Research on
   Animal Diseases  82
International Law Association  59, 61
International Maize and Wheat Improvement
   Center  60
International Relations, RF program in
   fellowships 86
   27-28, 81-86
International Research Center for Energy and Economic Development 84
International Rice Research Institute 60, 61
Iowa State University 65

Jackson, Ben R. 13
Japan Center for International Exchange 82
Jennings, Peter R. 10
Jobs for Delaware Graduates 36
John F. Kennedy Center—Rockefeller Foundation competitive awards for performers of American music 42, 43
Johns Hopkins University 57, 70, 77, 78, 80
Johnson, Elmer C. 12
Johnson, Loyd 14
Johnston, James E. 8
Jordan, Peter 12
Jordan, Vernon E., Jr. 6
Josef Pilsudski Institute of America 57
Jupiter Symphony of New York 43

Kansas State University 61
Kasetsart University 88
Katz, Stephen M. 14
Kent State University 57
Kenyatta University College 88
Kettering Foundation 65
Keystone Center for Continuing Education 85
Kineholistics Foundation 43
Kirkland, Lane 6
Klein, Howard 8
Knowles, John H. 17, 20
Knowles Fellowship Fund 91
Koppel, Barbara 56
Kozek, Bonnie 43
Krim, Mathilde 6
Kritz, Mary M. 9
Kubota, Shigeko 43

La Mama Experimental Theater Club 48
Laird, Reggie J. 12
Latham, Willoughby 10
Latin American Social Science Research Council 72
Latino Institute 38
Lawyers' Committee for Civil Rights Under Law 39, 82
League of Composers—International Society for Contemporary Music 43
Liang, Chi-Yuan 83
Lotse, Cecilia 8
Louisiana State University 55
Lyle, Katherine Ch'iu 70
Lyman, Richard W. 6, 33

Macbeth, Robert 43
MacDowell Colony 55
Magic Theatre 43
Mahidol University 69, 77
Makerere University 88
Maner, Jerome H. 10
Manibog, Fernando R. 85

Mann, Charles K. 8, 9
Marable, Manning 39
Margineanu, Nicolae 51
Marine Biological Laboratory 65, 90
Martinez, Eugenio 10
Massachusetts General Hospital 91
Massachusetts Institute of Technology 43, 55, 85
Mauldin, W. Parker 9
May, Ernest J. 55
McChung, A. Colin 14
McGill University 61
McKelvey, John J., Jr. 8, 92
McMillan, Ann 43
Mexican American Legal Defense and Educational Fund 39
Michigan State University 39
Mid-East Wheat Research and Training Program 60
Middle East Institute 91
Middle East Technical University 64
Millsaps College 39
Ministry of Health, Egypt 76
Ministry of Public Health, Thailand 71
Montreal Children's Hospital 69
Moock, Joyce L. 9
Moosaw, James C. 14
Morris, Oliver F. 12
Moussa, Hassouna 14
Moyers, Bill 6
Mullen, Lynda 7
Mulligan, Frances 7
Musalem, Alberto R. 10

NAACP Legal Defense and Educational Fund 39
NAACP Special Contribution Fund 38
National Academy of Sciences 66, 77
National Bureau of Economic Research 36
National Commission for Employment Policy 37
National Commission on the International Year of the Child, 1979 39
National Council of Science and Technology 69
National Executive Service Corps 91
National University of Zaire 88
Negro Ensemble Company 43
Neumann, Ellsworth T. 7
New Federal Theater 43
New Mexico State University 63
New World Records 44
New York Shakespeare Festival 43
New York University 49, 51, 55, 57, 69, 77
Newberry, Anne E. 7
Nichols, Fred E. 13
Nkonoki, Simon R. 85
North Carolina School of the Arts 42

Oak Ridge Associated Universities 85
Opportunities Industrialization Centers of America 37
Original Ballets Foundation 44
Osby, William J. 14
Oshima, Harry T. 12
Osler, Robert D. 12
Overseas Development Council 64

Palmieri, Victor H. 6, 15
Pan American Health Organization 79
Paul, Samuel 89
Pennoyer, Robert M. 6
Pennsylvania State University 61
Perlis, Vivian 57
Perlmutter, Alvin H. 44
Pfeiffer, Jane C. 6
Pino, John A. 8
Plank, Stephen J. 13
Population and Health, RF program in 25-27
  Population 25-26, 68-74
  fellowships 72-74, 108-10
  Health 26-27, 75-80
  fellowships 77, 108-10
Population Council 69, 71, 72
Population Resource Center 72
Prentice, Michael A. 12
Princeton University 72
Program of Joint Studies on Latin American
Economic Integration 72
Project Awareness 38
Puerto Rican Migration Research
Consortium 37

Quality of the Environment, RF program
in 65-67

Rachie, Kenneth O. 8
Radcliffe College 57
Ramanathan, Rajaram 7
Randolph Educational Fund 38
Raun, Ned S. 13
Regan, Muriel 7
Reich Music Foundation 44
Renfro, Bobby L. 13
Research Foundation of the State University
of New York 44
Research Libraries Group 91
Resources for the Future 66, 85
Rockefeller, John D. IV 6
Rockefeller University 76, 77, 80, 91
Rockefeller Youth Award 91
Rohde, Jon E. 11
Romney, Henry 9
Roosa, Robert V. 6
Royal Institute of International Affairs
  82, 85

Salk Institute 69
Sanborn, John 47
Schacht, Henry B. 6
Schad, Marjorie J. 8
Scrimshaw, Nevin S. 6
Secretariat for Futures Studies 85
Segal, Sheldon J. 9
Sheldon, Eleanor B. 6
Sivard, Ruth 83
Sioux-Kettering Institute for Cancer
Research 69
Smolker, Dale G. 13
Smith, Charles H. 13

Society for Values in Higher Education 54
Solomon, Louis 47
Southeast Asian Research Center for
Graduate Study and Research in
Agriculture 60
Southeastern Center for Contemporary
Art 42
Southern Education Foundation 40
Southern University 38
Spain, James M. 10
Special Interests and Explorations, RF
program in 90-91
Spelman College 37
Sprague, Ernest W. 12
Stamm, Esther S. 7
Stanford University 82
Stanley, Jeff 77
Starnes, Ordway 14
State University of New York 54, 55
Stern, Jonathan P. 85
Stifel, Laurence D. 7
Stremlau, John 8
Support Services Alliance 91

Tackley, Adel 7
Tannenwald, Robert 37
Tartaglia, Henry S. 7
Taylor, Billy 6
Temple University 69
Thammasat University 88
Theatre Incorporated 47
Thessalonica Agricultural and Industrial
Institute 60
Tillman, Allen D. 11
Toenniessen, Gary H. 8
Tokyo University of Mercantile Marine
66, 82
Trammell, Webb 7
Trilateral Commission 91
Tufts University 76, 86

University of Alabama 57
University of Arizona 61
University of Brasilia 77
University of British Columbia 66, 82
University of California
  Berkeley 55
  Davis 62
  San Diego 47
  Santa Barbara 55
University of Chicago 57, 72, 89
University of Colorado 62
University of Connecticut 55
University of Dar es Salaam 88
University of Florida 62
University of Georgia 62
University of Glasgow 62
University of Idaho 62
University of Illinois 54, 62, 83
University of Iowa 55
University of Kentucky 62
University of Maryland 83
University of Minnesota 62
University of Nairobi 88
University of North Carolina 72

© 2003 The Rockefeller Foundation
University of Oslo  69
University of Oxford  76
University of Pennsylvania  70, 79
University of Santa Clara  54
University of South Carolina  79
University of Stockholm  76
University of Texas  71
University of Tokyo  66, 83
University of Toronto  66, 79
University of Virginia  91
University of Washington  66, 67, 70, 76, 83
University of Western Australia  78
University of Wisconsin  60, 62
Unrau, Gladwin N.  14
Urban League of Greater Little Rock  38

Virginia Commonwealth University  79
Virginia Polytechnic Institute and State University  72

Wake Forest University  42
Warren, Kenneth S.  8
Washington State University  62
Waugh, Robert K.  10

Wellhausen, Edwin J.  12
Westchester Chamber Chorus and Orchestra Foundation  48
WGBH Educational Foundation  48
Wharton, Clifton R., Jr.  6
White, Jeffrey W.  62
White, Kerr L.  8
Williams, Bruce E.  9
Willrich, Mason  16
Wolfensohn, James D.  6, 15
Wolling, Frank  7
Woodrow Wilson International Center for Scholars  83

Work in America Institute  37
World Food Council  64
World Health Organization  70, 79
World Priorities  83
Wortman, Sterling  6, 7, 15
Wright, Bill C.  14
Wuorinen, Charles  48

Yale University  57, 65, 79
Yeshiva University  78
Young, William R.  13