The Ford Foundation is a private, nonprofit institution dedicated to the public well-being. It seeks to identify and contribute to the solution of problems of national or international importance. The Foundation works mainly by granting funds to institutions and organizations for experimental, demonstration, and developmental efforts that give promise of producing significant advancements in various fields. *Annual Report 1977*

Occasionally, the Foundation itself administers projects. As an additional means of accomplishing program objectives, the Foundation in some instances makes grants to individuals whose professional talent or experience corresponds with its programs and activities. The Foundation was established in 1936 by Henry Ford and Edsel Ford and made grants largely to Michigan charitable and educational institutions until 1950, when it became a national organization. Including the fiscal year 1977,
the Foundation has made commitments totalling $5 billion, including grants to 7,344 institutions and organizations. The recipients have been located in all fifty states, the District of Columbia, and various foreign countries, especially in less-developed areas.

☐ A board of trustees from a variety of fields determines Foundation policy. A professional staff evaluates grant applications, explores means and opportunities to stimulate advances in fields with which the Foundation is concerned, works with prospective grantees, and recommends proposals for approval by the president and the trustees. ☐ Applications for grants should set forth objectives and details of methods for carrying them out, the qualifications of the persons and institutions involved, and an estimated budget. The Foundation does not use grant-application forms. Domestic applications and inquiries about how nominations or applications for grants to individuals may be made should be sent to the Secretary of the Foundation; applicants in foreign countries where the Foundation has an office should direct their proposals to the resident representative. ☐ Activities supported by the Foundation grants must be charitable, educational, or scientific under the appropriate provisions of the Internal Revenue Code and Regulations.

Because its funds are limited in relation to the great number of worthwhile proposals it receives, the Foundation limits its grants to efforts likely to have wide effect. It does not grant funds for purely personal or local needs, the routine operating costs of institutions, programs for which government support is readily available, nor, usually, the construction or maintenance of buildings. ☐ The Foundation is independent of other institutions, commercial and noncommercial.
# Ford Foundation Annual Report
October 1, 1976 to September 30, 1977

## The President's Review

## Program Reviews

<table>
<thead>
<tr>
<th>Program Review</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education and Research</td>
<td>2</td>
</tr>
<tr>
<td>National Affairs</td>
<td>10</td>
</tr>
<tr>
<td>Resources and the Environment</td>
<td>20</td>
</tr>
<tr>
<td>Communications</td>
<td>23</td>
</tr>
<tr>
<td>The Arts</td>
<td>26</td>
</tr>
<tr>
<td>International Division</td>
<td>30</td>
</tr>
<tr>
<td>Public Policy and Social Organization</td>
<td>51</td>
</tr>
<tr>
<td>General</td>
<td>53</td>
</tr>
</tbody>
</table>

## Financial Review

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bibliography</td>
<td>55</td>
</tr>
<tr>
<td>Staff</td>
<td>70</td>
</tr>
<tr>
<td>Index</td>
<td>72</td>
</tr>
</tbody>
</table>
Board of Trustees

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The President's Review

This year I want to tell an unfinished success story which begins in private foundations and ends on the world scene, engaging most of the major democratic governments of the industrial world and a number of major international donor agencies. The story deals with the dramatic expansion of scientific research on the food crops that are staples for the vast majority of the world's people—everything from rice and wheat to corn and cassava. It also concerns the more prosaic, but equally difficult and essential business of the transnational support that has been marshalled for that research in a network of international centers, the oldest of which was established only in 1960. While the Ford Foundation has a major part in this story, my part consisted only of having followed the instructions of colleagues as they pursued a course laid down before I joined the Foundation, so if there is a bit of self-satisfaction in this tale, at least it is institutional, not personal.

Origins and Principles
Last November, in Paris, there was an important meeting of a group of people who constitute the Consultative Group on International Agricultural Research (CGIAR)—known informally to the few who know it at all as the Consultative Group. There was no press attention to this meeting, nor was publicity its purpose. The Consultative Group has no formal powers and indeed no incorporated being, yet the Paris meeting was the instrument by which twenty-eight international donors reached decisions that will provide support in 1978 to a set of international institutes and centers concerned with research on food production in the developing world. In its seven-year life the Consultative Group has raised its annual pledges steadily, from $20 million initially to $88 million this year. The number of agricultural research institutions supported has increased from four to eleven, and the enterprise as a whole enjoys the confidence of scientific leaders and political authorities to a degree that is not surpassed anywhere on the international scene.

How did it happen? The most important factor was the explosive success of the earliest centers, in rice and wheat, in the 1960s. But there have been essential administrative and philanthropic elements too.

The story begins in 1943, in a joint program of food crop research begun by the Rockefeller Foundation in cooperation with the Government of Mexico. This work laid the base for major improvements in wheat production, first in Mexico and later elsewhere. Sixteen years later, in 1959, there began a continuing collaboration between the Rockefeller and Ford Foundations. Their first large joint venture in food research was the establishment of a new institute, the International Rice Research Institute (IRRI), in the Philippines. IRRI soon became the primary source of the "miracle rice" of the 1960s—varieties that use plant nutrients more efficiently and resist
diseases and pests better and therefore yield more—just as the research in Mexico was the primary source of the extraordinary progress in wheat harvests in the same period.

Certain principles governing IRRI were then applied by the two foundations to the establishment of three more international centers: one in Mexico for corn and wheat, built on the work begun in 1943; the other two, in Nigeria and in Colombia, both concerned with improving food production in the humid tropics.*

The chief founding fathers of these four international institutes were two men who had shared a life of experience and leadership in the practice and promotion of agricultural research. George Harrar of the Rockefeller Foundation had been the first director of the Rockefeller-Mexico Program; F. F. (Frosty) Hill of the Ford Foundation had been sending out future leaders in agricultural research from Cornell for a generation before joining the Foundation in 1955 to work on overseas development problems. Out of this experience, and working in the closest concert with a few others like themselves, they were able to build new international research institutions of the first quality. At least five principles can be discerned in the history of what was done under their leadership.

- **First**, there must be an identifiable set of agricultural problems susceptible to sustained attack in ways that would have value in many countries. By 1960 research on rice plainly presented such a set of problems—the contrast between achievement in Japan and relative failure elsewhere in Asia showed the need and defined the opportunity. Progress in Mexico made the promise of wheat equally plain, and if tropical agriculture as a whole was (and remains) a more resistant and complex target, the need for a new attack was if anything greater. From the very beginning, in each case, it was clear that there was work of high importance to be done.

- **Second**, and less obviously, Harrar and Hill determined that each of these new institutions must be based outside the United States, in a country directly concerned with the set of problems under attack. Rockefeller for more than a generation and Ford for a decade had worked in developing countries on the invariable premise of a cooperative relationship in which the host country would not have any cause to feel that the foreigners were intruders. Attention was paid, in all sorts of large and small ways, to the establishment of a true sense of partnership with the national authorities in each of the four countries where the new institutions were established. For their part, the host countries showed their own concern and commitment by free grants of the necessary land.

*They are, in order:
Mexico, International Maize and Wheat Improvement Center (CIMMYT), 1966
Nigeria, International Institute of Tropical Agriculture (IITA), 1968
Colombia, International Center for Tropical Agriculture (CIAT), 1969
• *Third*, and decisively, the governance of the institutions was entrusted to independent boards of trustees composed of persons of many nationalities with a shared commitment to the support of first-class scientists. The autonomous nonprofit board of trustees is a device so familiar in the American nonprofit world that we too easily forget how rare and valuable it is on the transnational scene.

• *Fourth*, the institutions themselves were designed and built, both in their ways of work and in their physical facilities, so as to meet the needs of such first-class scientists. By the nature of their missions the institutions did place one great constraint on their members: that they had to work on problems on the *institutional* agenda; the institutes are not universities, where scientists choose their own problems. But it is a mark of the sureness with which important problems were identified that it has seldom been hard to make a good match between the concerns of the institutes and the interests of high-grade investigators.

• *Fifth*, the two initiating foundations provided an assurance of long-term support sufficient to attract the commitment of excellent people, both to the management and to the scientific work of the institutes. The foundations retained the rights and responsibilities of any continuing donor, and close and collegial relations were maintained between the officers and staff members of the institutes and the foundations. But the object of it all was to permit the institutes to shape their own lives.

These guiding principles did not in themselves produce the laboratory and field breakthroughs in rice and wheat that made the name of IRRI and of CIMMYT. That was done by the scientists, and without their triumphs this story would surely not have unfolded with such speed and force. But the triumphs in two crops alone would not have been enough. When they happened, and when interested agencies and governments began to ask themselves how they could hope to turn mere money into further progress, a set of institutions and a set of guiding principles were both in place. By this time, in 1969, the effort had cost the two foundations a total of $41.3 million.

**A Concert of Transnational Donors**

The next steps in the story are complex; they constitute a remarkable chapter in the diplomacy of international development assistance. To begin at the end, the upshot was the establishment of the Consultative Group as a widely accepted mechanism for connecting and coordinating the flow of money from all interested parties to institutes and research undertakings like those of the First Four.

Seen dispassionately, this may seem merely a logical, natural, and even easy result. The existing institutes had already achieved great success, it was
<table>
<thead>
<tr>
<th>A. Consultative Group on International Agricultural Research (CGIAR)</th>
<th>1971</th>
<th>Washington, D.C.</th>
<th>Coordinating group of twenty-eight international donors</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Technical Advisory Committee (TAC) 1. International Rice Research Institute (IRRI)</td>
<td>1971</td>
<td>Rome</td>
<td>Scientific advisory group to CGIAR</td>
</tr>
<tr>
<td>2. International Maize and Wheat Improvement Center (CIMMYT)*</td>
<td>1960</td>
<td>Philippines</td>
<td>Rice, rice-based cropping systems</td>
</tr>
<tr>
<td>3. International Institute of Tropical Agriculture (IITA)</td>
<td>1966</td>
<td>Mexico</td>
<td>Wheat, maize, barley, triticale</td>
</tr>
<tr>
<td>4. International Center of Tropical Agriculture (CIAT)**</td>
<td>1968</td>
<td>Nigeria</td>
<td>Soils management in tropics; alternatives to shifting cultivation; cowpeas, cassava, yams, maize, rice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Colombia</td>
<td>Forage/beef, cassava, and field beans, as well as rice, maize in lowland tropics</td>
</tr>
</tbody>
</table>

*Centro Internacional de Mejoramiento de Maiz y Trigo. 
**Centro Internacional de Agricultura Tropical.
5. West Africa Rice Development Association (WARDA) 1971 Liberia Rice, rice-based cropping systems
6. International Potato Center (CIP)† 1972 Peru Potatoes
7. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) 1972 India Sorghum, millet, chickpeas, pigeon peas, groundnuts; farming systems in semi-arid tropics
9. International Board for Plant Genetic Resources (IBPGR) 1974 Rome Collection, preservation, and exchange of plant genetic materials
10. International Livestock Center for Africa (ILCA) 1971 Ethiopia African livestock systems
11. International Center for Agricultural Research in the Dry Areas (ICARDA) 1976 Syria, Iran, Lebanon Wheat, barley, lentils, broad beans, small ruminants; farming systems in semi-arid temperate zone

†Centro Internacional de la Papa.
increasingly plain that they would need support far beyond the capacity of the two foundations, and there was an emerging need for additional institutes with other missions. Conversely, a dispassionate eye could hardly avoid the conclusion that international institutions framed on the principles of Harrar and Hill offered a great comparative advantage over traditional bilateral and multilateral activities.

But the ordinary habits of most transnational donors do not make it easy to be dispassionate, especially when a new instrument was “Not Invented Here.” It is also far from easy for agencies accountable to different governments—or to a hundred governments at once—to cooperate in assisting privately organized institutions on a sustained basis. It is therefore extraordinary that between 1969 and 1971 a small group of men, meeting usually in Bellagio, Italy, were able to break down the normal barriers to effective common action. Many had parts in this achievement, but it seems right here to let three names stand for all: Adekke Boerma of the Food and Agricultural Organization, who issued the first call for the meetings that eventually led to these results; Paul Hoffman of the United Nations Development Program, who already exemplified the necessary combination of disinterested enthusiasm and proven international effectiveness; and Robert McNamara of the World Bank, who was determined from the first that if unobtrusive staff support would help, the Bank would be ready. It is fitting that when the Consultative Group emerged, two years later, it was sponsored by the three institutions for which these three spoke in 1969.

In addition to the presence of men concerned with results, not status, the Bellagio discussions had another significant characteristic: they maintained a careful balance between attention to the substantive target—the nature and needs of effective research—and work on the procedural problems—the ways and means of engaging sustained support from interested donor agencies. If the organizers of these meetings had emphasized either of these problems at the expense of the other, they might well have failed, for in work of this kind it is essential to remember that the quality of the work and the means by which it is supported are equally important and, quite literally, indispensable to each other. The Bellagio discussions were so ordered that those concerned with ways and means were constantly reminded of the basic objective: to give adequate help to targeted scientific research of the first quality. But at the same time, because of the regular presence of men accountable to political authorities for allocating public funds, there was no neglect of ways and means, and no lack of respect for the rights and responsibilities of those who allocate public money.

It was this double understanding, I believe, that allowed the Bellagio group to find a way to resolve the tension that exists in all times and places between the requirements of excellent research and those of political authority. There are many happy instances in which this tension has been
resolved within a single country, but even the most sensitive and civilized national arrangements have their ups and downs, and on the international scene good arrangements are even harder to make. Different donors have different requirements and processes, and the scientific community that can defend the autonomy and quality of research work is usually more diffuse.

The resolving principle adopted by the Bellagio discussions was to respect both the requirements of first-class research and the political necessities of donors—and then to build bridges of voluntary association between them. The Consultative Group, from its founding in 1971, has made no effort to invade the powers of others; no donor agency has been asked to surrender its own power of judgment and choice; no pledge of assistance or declaration of interest has been sought except in conformity with the political process governing each agency; and no decisions of any sort are binding on any donor who disagrees. It proceeds with no formal powers whatever. It is an instrument for those donors who wish to use it, and indeed it is mainly the donors who are the Consultative Group, along with representatives of developing regions. It is precisely because this is all it is, in form, that it is now in fact the indispensable coordinating instrument in the management of grants from twenty-eight donors to eleven research institutions.

As they respected the responsibilities of donors, the Bellagio participants also respected the principles of Harrar and Hill. They made no effort to invade or limit the institutional framework of the existing institutes—indeed transnational boards, strong staffs, self-governing existence in a welcoming country, and an agenda set by experts. Indeed they adopted this same model for each of the five new institutes and two related programs eventually organized under the auspices of the Consultative Group. To increase its own capability for sound judgment the Consultative Group also took steps early on to establish a Technical Advisory Committee (TAC), composed of distinguished agricultural scientists and research administrators. From the first the World Bank has provided shelter and staff for the Consultative Group, and the Food and Agricultural Organization has done the same for TAC.

In only one respect, and that a most natural and welcome one, have these unincorporated instruments of action and understanding replaced anyone. The administrative support, the general coordination, and the technical advice that were once ensured by the Rockefeller and Ford Foundations are now skillfully handled by the CGIAR and TAC. The two foundations are members of the Consultative Group, and their professional staffs continue to play a lively part in the enterprise as a whole. Past and present officers of the foundations have been central in the direction of more than one institute, and have continued to be welcome in the new and larger network. Other donors have shown a remarkable tolerance of the financial constraints that now limit our role as donors.
Facilitating this process, and growing in strength as the work has gone forward in the 1970s, has been a remarkable transnational network of individuals who have come to know and trust each other through cooperative discussion and decision-making. The CGIAR is not the first consultative group of donor agencies formed under the shelter of the World Bank. At least as important is the worldwide community of agricultural scientists. The professional men and women who staff today's eleven institutes and centers now number over 400, drawn from more than fifty countries; the members of the Technical Advisory Committee are senior members of a worldwide scientific enterprise whose growing consciousness of its own identity is an important element in the strength of the whole.

One more condition of effectiveness has also been met. No major partner in these undertakings has ever supposed that international research institutes in and of themselves could solve the problem of agricultural progress in the developing world. To the major donors, the work of the CGIAR is a relatively small matter; the United States Agency for International Development is the largest participant, and its contribution this year of $22 million was only 2 per cent of its development budget.

Even set against the expenditures on agricultural research by national centers and institutes in the developing world, the magnitude of this international effort is less than one part in ten. There are increasingly strong connections between the centers and these national efforts. And there is also an "upstream" connection that runs from the international centers, where work is aimed at early practical results, to basic science in research laboratories all around the world.

Intersection of Public and Private Effort
In some degree it is too soon for proof that what is being achieved in this undertaking is worth it. Only the two first centers, IRRI and CIMMYT, are old enough to have extensive records of improving food crop production and of training new leaders; all the others are young, and all have had their growing pains. Yet even in their short lives, they can point to important concrete accomplishments. What is more important is that with each successive year the confidence and capacity of each are growing. The centers, the donors, and the experts have engaged in almost continuous and increasingly rigorous assessment of their achievements. The most recent and most thorough of these reviews, conducted in 1976 by a senior Review Committee of the Consultative Group with the help of a team of four experts, concluded that the centers, as a group, were already making a major continuous contribution to worldwide agricultural progress and could be expected to do still more in the future. The review also emphasized, as I have, the independence of the centers, their high scientific standards, their focus on problems of high practical meaning, their power to attract excellent
professionals, and their special effectiveness as genuinely transnational institutions. This judgment of those with a right to an opinion is more impressive to me than any repetition of isolated facts and figures could be. We cannot say, even of IRRI rice and CIMMYT/Mexican wheat, how many have been fed who would have gone hungry, or how much the gap between need and capacity has been narrowed. Nor can we deny that the economic benefits of the new agricultural technology have sometimes been inequitably distributed, though even poor farmers using the new methods have benefitted absolutely. Questions of equity are of increasing concern both within and outside the network of centers. The struggle for fairness in the countryside is a hard one almost everywhere, and it certainly cannot be won by technological advance alone. But it is equally clear that there is no solution to problems of equity in a retreat from the effort to improve agricultural productivity. So we think it is of major significance that the centers have flourished, and we ourselves believe they have it in them to repay all the support they have received, many times over, in improved agricultural production.

Others have celebrated the explicit scientific achievements and realized gains in crop yield for which the international research centers are responsible, and so do I, even as all of us realize how much more remains to be done to ward off starvation and malnutrition. But what I have mainly dwelt on is a way of work, determined, concerned, transnational, accountable, independent, practical, scientific, and finally reliant on the good sense and goodwill of free men. It took barely ten years to move from the founding of IRRI to the founding of the Consultative Group on International Agricultural Research; it has been only seven years since then. Yet already this effort has caught the imagination of those who care about food for the hungry.

There is also meaning in this unfinished adventure for other fields where a cooperative connection is needed between those handling public funds and those engaged in independent, nongovernmental effort. This Foundation finds itself at such intersections all the time nowadays—whether we are thinking about the great research universities or the struggle to build a public-private partnership for dealing with the employment problems of youth. In reciting one incomplete but relatively happy international experience, I intend no easy lessons for such other efforts. No two of these intersections are identical, and few have the disarming (and perhaps even deceptive) simplicity of promising more and better food soon. I therefore leave it to the reader to draw his or her own conclusions from this account. My own belief is that in the end this has been a story about human character, showing above all the value of people who would rather help things happen than get

credit for them. I am glad to have had a chance to name a few of them in these pages.

Since my last report there have been important changes among our trustees and staff. I noted a year ago the heavy losses we had suffered on the Board, culminating in the resignation of Henry Ford II. Now I am able to report the election of five new trustees in 1977:

Nina G. Garsoian, Dean of the Graduate School at Princeton,
Donald S. Perkins, Chairman of the Board of the Jewel Companies in Chicago,
Harriet S. Rabb, Assistant Dean for Urban Affairs of the Columbia Law School, New York,
Edson W. Spencer, President and Chief Executive Officer of Honeywell Inc., Minneapolis, and
Franklin A. Thomas, attorney, of New York.

Each of the five comes to our work with an unusual record of personal achievement and humane understanding. The Board has never been stronger or more broadly representative than it is today.

In this last year we have also brought near to completion the work of reducing our staff, as part of the general retrenchment begun three years ago. We have been impressed by the generally successful record of those who have left us in finding rewarding assignments elsewhere, and indeed in many cases we have had to accept the departure to new and wider responsibilities of men and women we had hoped to keep. The new administration in Washington proved attractive to five of our experienced program officers, and we have also contributed to the new administration in New York City and to the staff of the Select Committee on Population of the House of Representatives. But our most senior loss, as often in the past, was to the world of higher education—in the departure of Robert Edwards to be president of Carleton College in Northfield, Minnesota. Bob Edwards served the Foundation with great distinction for almost twelve years, most recently as head of our Office for the Middle East and Africa. He showed us what can be achieved by high intelligence, intense conviction, and continuous concern, when applied to the needs of others.

McGEORGE BUNDY

FEBRUARY 24, 1978
Program Reviews

Education and Research

Higher Education and Research
- Minority Opportunities
- Educational Management and Policy
- Women in Higher Education

Public Education
- Staff Development
- Race and Sex Discrimination
- Educational Planning, Policy, and Finance
- Research on Learning

National Affairs
- The Dependent Poor and the Underclass
- Communities and Neighborhoods
- Working Class Problems and Concerns
- Civil Rights and Minority Opportunity
- Status of Women
- Law and Justice
- Public Interest Law
- Conflict Resolution
- Improving Government Performance

Resources and the Environment
- Energy and Environmental Policy
- Environmental Law and Mediation
- International Programs

Communications
- Communications Policy
- Journalism
- Public Television

The Arts
- Performing Arts
- Arts in Education
- New Directions

International Division
- Asia and the Pacific
- Agricultural and Rural Development
- Development Planning and Management

Population
- Education
- Social Sciences
- Asian Studies

Latin America and the Caribbean
- Social Sciences
- Education and Research
- Agriculture
- Population

Middle East and Africa
- Education and Social Science Research
- Agricultural Development
- Development Planning and Management
- Population
- South Africa

Population
- Contraceptive Development
- Population Studies, Communications, and Program

Development Studies

International Affairs and World Problems
- Human Rights and Intellectual Freedom
- International Security and Arms Control
- International Economic Research
- European, Canadian, and World Affairs

Public Policy and Social Organization
- Graduate Training
- Studies of Policies and Institutions
- Special Inquiries

General
- Grants to Individuals
- Council on Library Resources
- Michigan and New York Philanthropy
Education and Research

The Foundation's main concerns at all levels of American education are equality of opportunity, improved management and financing, and the shaping of public policies that affect the kind and quality of education. Support also continued this year for efforts to improve the skills of teachers and to increase understanding of the learning process.

HIGHER EDUCATION AND RESEARCH

Minority Opportunities. A special $100 million program to improve opportunities for minorities in higher education entered its sixth and last year with a final commitment of grants totaling some $18 million. The program had two aims:

— to help a selected group of private black colleges achieve greater academic quality, managerial ability, and financial stability;

— to increase minority representation in college and university faculties by providing doctoral fellowships for blacks, Puerto Ricans, Mexican Americans, and Native Americans.

The Atlanta University Center* was granted funds for administrative costs, for increasing its endowment, and for continued development of cooperative academic and administrative programs. Seven private colleges** received grants for such purposes as increasing student enrollment, strengthening faculty, reforming curricula, and developing fund-raising programs.

To assess the impact of the Foundation's six-year program for private black colleges, the council for the Advancement of Experiential Learning was granted $196,750. A study to be directed by the Council's president, Morris T. Keeton, and completed in 1979 will evaluate the Foundation's efforts with respect to the problems and progress of predominantly black institutions and to opportunities in higher education for black Americans.

A final round of fellowships for minority doctoral candidates preparing for college teaching careers was supported. Grants went to the Council of Southern Universities to administer fellowships for black students, and to the Educational Testing Service for Mexican Americans, Puerto Ricans, and Native Americans. Foundation fellowship assistance since 1967 has resulted

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*The Atlanta center consists of Clark, Morehouse, Spelman, and Morris Brown Colleges, Atlanta University, and the Interdenominational Theological Center.

**The colleges are Benedict, Bishop, and St. Augustine's colleges, Hampton and Tuskegee institutes, and Fisk and Wilberforce universities. Another, Virginia Union University, received $2 million from the Sherman Fairchild Foundation during the course of this program.
in 342 minority men and women earning the doctorate to date, and the figure will increase significantly when the current program is completed in 1981. During the academic year 1977–78, some 844 fellows were working for Ph.D.s.

Although the special program is drawing to a close, the Foundation will continue its commitment to minorities in different ways. One new approach, for which a grant of $126,500 was given to Educational Testing Service, is an experimental program of post-doctoral research awards for nontenured Mexican American faculty members. Because most Chicano college professors have entered teaching only in the past five years, few have tenure and thus are likely to be disproportionately affected by university budget cuts. The new program is designed to give some of these teachers opportunities for research and publication, which are still the sine qua non of tenure. Fourteen awards were made this year.

Although public black colleges were not included in the Foundation's special program, assistance to this group in the 1960s amounted to $8 million. Grants were made for improvements in their administration, libraries, course offerings, and faculty. Now public black colleges face a new set of challenges. Court-ordered desegregation of tax-supported institutions of higher education will affect the racial mix of their student bodies, the programs they offer, and their share of state funds. To help them address these new circumstances, the Foundation granted $103,000 for the Office for Advancement of Public Negro Colleges, an operating arm of the National Association of State Universities and Land-Grant Colleges. The grant will enable the office to continue serving as an advocate with public agencies for its thirty-four member institutions and helping the colleges raise funds from private sources.

To assist a group that has been largely excluded from the chance of a college education by economic circumstances and language difficulties, $95,000 went to the State University of New York to begin a special program for Puerto Rican and other Hispanic working adults. The program will be carried out by Empire State College in cooperation with Solidaridad Humana, a community educational organization on New York’s lower east side. The college will take a nontraditional approach in which students will work mostly off campus at their own pace. Teachers and students will develop study plans and follow up with regular counseling, tutoring, and assessments of progress. Successful completion of study will lead to associate or bachelor's degrees. Most applicants will have passed high-school equivalency exams and have functional use of English, but Spanish will be the primary language of study and expression.
The migration of Puerto Ricans to the mainland after World War II, one of the largest such migrations in the twentieth century, has had profound consequences for the migrants themselves and for Puerto Rico and the United States. Yet little research has been done on the economic, political, and social forces underlying the movement. To encourage such study and to increase opportunities for research by younger Puerto Rican social scientists, the Foundation granted $206,975 to Aspira of America to help form a consortium of scholars who will work on the subject (see list, p. 38).

The Bakke case, in which a white male applicant complained that he had been denied admission to a medical school because minority applicants received special treatment, is now before the Supreme Court. Until the court hands down a decision, it is not clear what the effects on minority access to higher education will be. To explore the issues raised in the case, the Aspen Institute received funds to hold a conference of lawyers and educators. Among the matters reviewed were admissions policies, standards, and practices, including affirmative action programs that take race into account. Several publications resulted from the conference.

**Educational Management and Policy.** The Foundation has a long-standing interest in helping to improve the management, governance, and financing of higher education. In recent years attention has centered on illuminating state and national policies that affect higher education, and on seeking solutions to the complex problems faced by private colleges and universities. Several activities this year reflect these interests:

—To enhance the capacity of statewide associations of private colleges and universities to work with state educational planners in shaping educational policies, the Foundation made awards (ranging from $30,000 to $70,000 and totaling $500,000) in ten states—California, Connecticut, Indiana, Kansas, Kentucky, Mississippi, Missouri, South Carolina, Texas, and Washington. Particular uses of the grants varied from hiring an extra staff member to setting up new data collection systems.

—To enable the New York State Department of Education to develop a system to monitor the financial conditions of private colleges and universities, a grant of $24,150 went to the University of the State of New York. The system will aim to identify institutions that seem headed for financial difficulty.

—Grants were made to Bryn Mawr and to Barnard College to address certain immediate problems that have implications for other private institutions. Bryn Mawr is conducting an analysis of the economics of continuing a small but prestigious graduate school within a liberal arts college. Barnard is preparing a report on various options open to it in preparing for
GRANTS AND PROJECTS

<table>
<thead>
<tr>
<th>Program</th>
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<td>New York, City University of [149.925—1975]</td>
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<td>Graduate Theological Union (Berkeley)</td>
<td>12,450</td>
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</table>

OCCUPATIONAL OPPORTUNITIES FOR WOMEN

Career advancement

- Boston: $16,000—1975, 5,000 payments
- Brown University: $160,000—1974, 12,151
- Michigan, University of: 100,000

Research, training, conferences, and publications

- Foundation-sponsored projects: consultants, experimenters, fellows, etc., 58,299, 52,575
- Graduate Theological Union (Berkeley) [675—900—1974]: 17,000
- Massachusetts, University of: 21,000
- New York, City University of: 6,692
- Pennsylvania, University of: [150,000—1976]: 112,000
- Psychological Institute Foundation of Washington, D.C.: 13,960
- Radcliffe College: [50,000—1976]: 90,000
- Simmons College: 150,000
- Smith College: 25,000
- Stanford University: [97,000—1976]: 58,586
- Wellesley College (Massachusetts): [70,000—1976]: 12,151

Women’s Equity Action League Educational and Legal Defense Fund

-cnote on federal programs: $150,000—1976: 73,475

RESEARCH IN HIGHER EDUCATION

Experiments in instructional patterns

- British Broadcasting Corporation: $175,000—1976: 58,765
- Columbia, College (South Carolina): [99,000—1976]: 7,473
- Educational Testing Service: [200,000—1975]: 53,250
- Foundation-sponsored projects: consultants, $200,000—1975: 43,799
- Mid-America, University of: [700,000—1975]: 234,556
- National Student Educational Fund: 3,000
- New York State University: 95,000
- New York, University of the State of: [25,000—1976]: 25,000
- Public Affairs Committee: [87,000—1976]: 7,500
- St. Louis University: 24,500
- Union for Experimenting Colleges and Universities (Ohio): [200,000—1974]: 16,000

Venture Fund for innovation in undergraduate education

- Bowdoin College (Maine): [120,000—1974]: 20,000
- Colby College (Maine): [150,000—1974]: 10,000
- Colby College (Maine): [150,000—1974]: 25,000
- Swarthmore College (Pennsylvania): [120,000—1974]: 20,000
- Vermont, University of: [240,000—1974]: 40,149
- Wellesley College (Massachusetts): [150,000—1974]: 25,000
- Worcester Polytechnic Institute (Massachusetts): [80,000—1974]: 30,000

SOCIAL, SCIENTIFIC, AND HUMANISTIC

AND RESEARCH TRAINING

American Academy of Arts and Sciences

Research special issues, and conferences by Daedalus: [520,000—1974—1976]: 76,000

Chicago, University of

Research by senior scholar (Theodore Schultz): [65,000—1973]: 7,600

Doctoral studies, fellowships, and research in economics, social science, and humanities

- American Council of Learned Societies: [520,000—1973]: 772,600
- Chicago, University of [659,400—1974]: 4,000
- Harvard University: [443,000—1972]: 14,801
- Library of Congress [725,000—1971, 1976]: 50,000

* List available on request.

Joint long-range planning with Columbia University. Barnard faces the dilemma of wanting to continue coordination of programs with Columbia but also wanting to maintain its independence and identity as a women’s college.

To collect detailed information for college-bound students about financial aid from a variety of private sources, a matching grant of $95,982 went to Citizens’ Scholarship Foundation of America. Data on scholarships, gathered from ten of the most populous states and fed into a computer, will then be matched with students who need aid.

The Common Fund for Non-profit Organizations, which the Foundation established in 1969 to help educational institutions get the highest investment return on their endowments, received a $25,000 supplement for administrative costs. The fund pools investments for some 275 colleges, universities, and independent schools.

Research on the role of faculty in the governance of colleges and universities was supported through a grant to the Association of American Colleges. Selected samples of unionized and nonunionized institutions are being canvassed to determine the impact, if any, of faculty collective bargaining on institutional governance. A similar survey was made in the 1969-70 academic year.

To assist the Association of American Universities in a major reorganization and expansion of its Washington-based staff, the Foundation granted $170,000. The change is designed to enable the association, which is composed of fifty-one major research universities, to play a stronger role in monitoring federal policies that affect its members’ interests. Among the first activities of the enlarged staff was to review policy recommendations made at a series of meetings organized by the presidents of fifteen major universities. Assistance for these meetings was provided by Carnegie Corporation, the Lilly Endowment, and the Ford, Andrew W. Mellon, and Sloan Foundations. A collection of papers presented at these sessions, entitled Research Universities and the National Interest, to be published early in 1978, considers such topics as the role of basic research in scientific and technological advances, the status of international studies in the United States, and the need for graduate student support.

Women in Higher Education. Additional grants aimed at developing campus-based centers for research on women went this year to the University of Michigan and to Simmons College in Boston. (Earlier grants went to Stanford University and Radcliffe College.) Since 1965 Michigan’s Center for Continuing Educa-
tion of Women has counseled and kept records on some 9,000 women who began or resumed college studies after years of working or raising families. The grant is supporting a study of women who made a successful transition to new occupations after completing their education at the university. Funds are also being used to expand the center’s research conferences and to provide awards for research on women’s changing roles in education, work, and the family.

Simmons began the nation’s first graduate program in management for women in 1973. The program makes extensive use of case studies that illuminate the special problems and challenges facing women executives. It also includes courses in the behavioral sciences aimed at preparing women to function successfully in the male-dominated corporate world. The Foundation’s $150,000 grant is supporting a summer program for faculty from other institutions interested in adopting the Simmons approach to management programs for women.

A persistent criticism of the Equal Rights Amendment is that if passed it would wipe out a body of legislation that protects women on the job from having to do very heavy physical labor or work excessively long hours. A Foundation-supported conference at Smith College brought together educators, doctors, lawyers, and policy makers to analyze the actual effects of such laws on working women.

**PUBLIC EDUCATION**

**Staff Development.** Since 1970 the Foundation has granted some $6 million in support of new centers for in-service training of teachers and other school personnel. Through workshops, seminars, and individual counseling the centers help both young teachers unsure of themselves in the classroom and more experienced teachers to develop new skills and keep attuned to changing educational needs. Since Congress authorized support for teachers’ centers under the Education Amendments of 1976, the number has increased to more than 100. In concluding its assistance to such centers, the Foundation this year made final grants to the Advisory and Learning Exchange (Associates for Renewal in Education) in Washington, D.C., The Learning Center in St. Louis, and the Mountain View Center for Environmental Studies at the University of Colorado.

Final support also went to an unusual science museum in San Francisco for a program of teacher training and curriculum development. The program helps public school teachers apply in the classroom what they and their students have learned in visits to the museum. It is called The Exploratorium, and is located in the Palace of Arts and Science.
For a full-scale evaluation of its on-the-job training and service programs, a $96,980 grant was made to the Bank Street College of Education. The college has for several years developed programs for public school personnel across the country. The Foundation also supported a seminar on teachers’ centers through a grant to the University of Chicago and provided funds to the Organisation for Economic Cooperation and Development to enable personnel from teachers’ colleges in Europe to participate in the seminar.

Important educational decisions are often made by legislators and officials in state and federal education agencies far removed from the schools, teachers, and students they influence. Since 1971 the Institute for Educational Leadership at George Washington University has been working to close the gap between schools and policy-makers. Among its programs, for which the Foundation this year granted a $1.5 million supplement, are internships for educators in federal and state government agencies and for policy-makers in educational organizations.

Race and Sex Discrimination. As the desegregation of American public schools proceeds, usually under court orders, communities North and South are finding that there is more to a successful transition than balancing the racial composition of the student body. Much depends on how well informed parents, teachers, students, and other citizens are and how actively they take part in the changeover. For several years the Foundation has assisted the development of resource groups to which communities can turn for advice and information in meeting some of the problems desegregation has posed. Among those for which the Foundation renewed support this year were:

—the Duke University Institute of Policy Sciences and Public Affairs, to establish a panel of legal scholars and social scientists to prepare an annual summary of the evolving legal doctrine in school desegregation cases. The panel will also analyze social science research on the consequences of school desegregation with the aim of improving research and encouraging more informed use of such studies by courts, policy makers, educators and parents.

—the National Conference of Christians and Jews, to enable the Center for Quality Integrated Education to continue its assistance to community groups in four large cities that are working on school desegregation plans.

—the L.Q.C. Lamar Society, to provide similar assistance to community and business leaders in Wilmington, Delaware, Cleveland, and Los Angeles.

—the Education Commission of the States, to advise state education agencies on desegregation procedures. The commission this year formed a national task force on public school desegregation composed of prominent citizens and educators.

Related activities included a grant to the Citizens’ Council for Ohio Schools to expand distribution of “Desegregation Update,” a monthly summary of court decisions, state and federal legislation, and recent research on desegregation activities, and a $20,000 grant
to the American Academy of Arts and Sciences for seminars on long-range prospects and problems confronting cities that are planning to desegregate their schools or are in the process of doing so.

Among the problems that may arise even after schools have desegregated are resegregation within the schools and unequal treatment of minorities, or women, including prejudicial disciplinary practices. The American Friends Service Committee, which has a long record of working successfully with local communities and schools in the field of human rights, received $276,600 this year to organize a program to combat unfair disciplinary practices in desegregated U.S. high schools. It will work on racial discrimination in such Northern cities as Boston, Dayton, and Milwaukee and on sex discrimination in Southern schools.

The NOW (National Organization for Women) Legal Defense and Education Fund received $225,000 to continue monitoring the implementation by federal agencies of laws that prohibit sex discrimination in public education. The grant also supported the fund’s outreach programs, which assist teachers, parents, and community groups trying to institutionalize sex equality in their schools. Another effort toward equal opportunity for women, begun with Foundation support by the American Association of School Administrators, consists of a program to train and sponsor promising women administrators in order to increase the number of women in leadership positions in school systems.

**Educational Planning, Policy, and Finance.** Over the past twenty years public schools have become more subject to the requirements of state and federal agencies, have received increasing pressure from organized associations of teachers and administrators, and have seen their traditional means of financing—through property taxes—seriously challenged. These changes have made it increasingly difficult for parents and other citizens to have a strong voice in how their schools are run and in what kind of education is provided to their children. Several grants were made this year to increase the ability of citizens to participate in the formulation of public school policies and practices. Among them was a $250,000 two-year supplement to the National Committee for Citizens in Education, which has trained some 800 citizen leaders to build more effective relations with school and other public officials. Established in 1974, NCCE also conducts research, publishes a magazine about educational issues, and runs a toll-free telephone hotline to answer questions about school problems.

The Education Law Center, a public interest firm that concentrates on the quality and delivery of public
education primarily in New Jersey and Pennsylvania, received a $600,000 two-year supplement. Among the center's activities are monitoring enforcement of a landmark New Jersey court decision (Robinson v. Cahill) that defines standards of educational effectiveness. The decision has national implications since it encourages community involvement in educational planning, establishment of minimum pupil performance standards, and greater school accountability for results.

To ensure wider participation by minority groups in school finance reform activities the Foundation granted funds to the National Urban Coalition, the Greater Newark Urban Coalition, San Diego State University Foundation, Nairobi College in California, and the Intercultural Development Research Association in Texas. The grants supported a range of research, analysis, and public information activities to ensure that reforms being planned in various states will adequately serve the special needs of blacks, Chicanos, and the urban poor.

Studies of school finance and property tax reforms were also supported in Maine, New Hampshire, and Florida. And the Foundation granted the Lawyers' Committee for Civil Rights Under Law a $450,000 supplement to continue its technical assistance to groups involved in school finance litigation. The committee will also expand its information program on school finance matters to make recent laws and court decrees more understandable to policy-makers and the public.

Research on Learning. In the past few years the Foundation has supported a variety of activities to encourage the use of the voluminous research on learning that has been conducted in recent years in practical efforts to improve schools.

An additional $230,000 was allocated for this purpose this year. The effort includes seminars at the Foundation at which papers are given on research issues. One of the commissioned papers, “Balance the Basics: Let Them Write,” by Donald H. Graves of the University of New Hampshire, will be published in 1978. It asserts that in the current “return to the basics,” writing is being neglected in favor of reading improvement and mathematical competence. As a result, the author says, the distinctive kind of learning that goes on during the process of writing is being lost.

In many urban schools in the United States teachers are struggling with bilingual children who are having difficulty learning in either English or their native tongue. For many years the Center for Applied Linguistics has organized conferences and workshops for teachers in such schools and prepared bilingual materials suitable for classroom use. The Foundation renewed support for these activities with a grant of $100,000.
National Affairs

The Foundation’s long-term commitment to equal opportunity continued to shape the efforts of the National Affairs Division this year. Support went to organizations and projects working to ameliorate the condition of the striving poor as well as the underclass—men and women whose poverty and dependence have been insipient to the usual antipoverty approaches. Related programs were concerned with revitalizing communities and neighborhoods; advancing social equity for minorities, women, and others whose interests are underrepresented; addressing the problems of working-class people; and improving the criminal justice system, methods of resolving conflicts, and the performance of government.

THE DEPENDENT POOR AND THE UNDERCLASS

The welfare system is a behemoth, its administration is labyrinthine, and its cost is enormous. There are sixty-two separate federal income assistance programs, and they account for 45 per cent of the federal government’s total budget.

As a new drive for welfare policy reform began in 1977, the Foundation addressed three obstacles to agreement: the lack of precise information on how the welfare system really works; the problem of providing adequate benefits to recipients without destroying their incentive to work or increasing welfare costs to unacceptable levels, and lack of analysis of the economic impact of reform proposals on various cities and regions.

—The Welfare Policy Project, under the aegis of the Ford Foundation and Duke University’s Institute of Policy Sciences and Public Affairs, this year completed an eight-volume study of welfare policy issues. It provides policymakers with a summary of current data and analyses of such subjects as recent reform efforts, programs linking work with welfare, and public attitudes toward welfare over the past forty years.

—Assistance went to the Brookings Institution for labor market studies, co-sponsored by the University of Wisconsin’s Institute for Research on Poverty. Research is focused on several federal initiatives: negative income tax experiments in rural areas, efforts to create jobs for welfare recipients without excessively fanning inflation, and policies to supplement the incomes of the working poor.

—A policy research center established by the Council of Northeast Governors (CONEG) received a $75,000 grant for detailed analyses of the economic impact of welfare reform proposals on the states of the Northeast and Midwest. The studies are being done in collabora-
tion with the research institute of the Northeast-Midwest Economic Advancement Coalition.* Residents of these regions receive almost two-thirds of the nation's federal welfare payments; therefore, any significant change in federal policies or programs will have important effects on state and regional economies, affecting job markets, commercial activity, and local and state budgets.

Two related questions facing welfare planners are how to create meaningful jobs for welfare recipients who can and want to work, and how to reach the underclass, which includes marginally employable persons (welfare mothers, out-of-school youth, ex-addicts, and ex-offenders, for example) who do not have the skills, work habits, or motivation to participate in conventional manpower programs. One promising answer is supported work—an employment strategy that uses existing public funds (welfare payments, training grants, and the like)—to create low-stress, transitional jobs for people who would otherwise find it difficult to enter the labor market.

Since 1973, the Foundation, along with the Department of Labor and a consortium of other federal, state, and local funding agencies, has been supporting demonstration projects in thirteen locations to test the applicability of the supported-work concept to different groups and conditions. Some of the local projects have developed private businesses, such as housing rehabilitation, printing, and building maintenance, which generate income and additional jobs. The Manpower Demonstration Research Corporation, which supervises the experiment, received additional assistance this year in the form of a $300,000 program-related investment** to establish a revolving loan fund. The fund will provide working capital and loan guarantees for such local business ventures.

The children of the underclass account for a disproportionately high percentage of learning problems, delinquency, and crime, especially violent crime. The Foundation this year continued explorations of the relation of health and nutrition to socially troublesome behavior and of ways to reduce the incidence of violent crime by young people.

Grants went to a number of institutions (see list, page 10) for research on possible linkages between prenatal malnutrition, dietary deficiencies, and head injuries on the one hand, and cognitive and behavioral

*CONEG was formed in 1976 by the governors of Connecticut, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. A similar Midwest group includes Illinois, Indiana, Iowa, Michigan, Minnesota, Ohio, and Wisconsin.

**Program-related investments are portions of the Foundation's capital assets that are invested to advance social purposes (see list, page 17).
difficulties on the other. The Massachusetts Institute of Technology, for example, will study the effects of nutritional states and brain and blood biochemistry on behavior. The National Bureau of Economic Research, using data from the U.S. Health Examination Survey, will try to determine by statistical methods whether children's health and nutrition are factors in their rate of intellectual development.

Assistance also went to the Vera Institute of Justice in New York City for projects on the prevention of violent juvenile crime and on the treatment of offenders. The work is based on Vera's survey of the juvenile justice field commissioned by the Foundation in 1975, which delineates the scope of the problem and suggests methods for prevention and treatment.*

COMMUNITIES AND NEIGHBORHOODS
Foundation-assisted efforts to help revitalize and rehabilitate communities and neighborhoods combine technical and professional skills with local initiative and autonomy. Experience over several years with community development corporations, for example, suggests that broad national programs are most successful when implemented by strong community-based organizations.

Community Development. The Foundation began its support of community development corporations (CDCs) in 1967. CDCs, which operate in both urban and rural areas, are nonprofit organizations that administer broad social and economic programs with government and private funding. Twelve CDCs are currently receiving major assistance—seven serving black communities, four in Hispanic areas, and one in a white ethnic neighborhood. Two others, in Puerto Rican and Asian-American communities, are receiving support for planning (see list, page 10).

Among the CDCs that received supplementary assistance this year were Chicanos Por La Causa, which operates a comprehensive social service and economic development program for the Mexican American community in Phoenix; the Home Education Livelihood Program in New Mexico, which assists migrant and low-income communities with legal, economic, health, and advocacy services; the Southern Development Foundation, which is the central financing and technical assistance agency for cooperatives of black farmers in the rural South; and the South East Alabama Self-Help Association (SEASHA), which operates in twelve rural counties. A program-related investment of $200,000 will enable SEASHA to develop two tracts of land in Macon County for residential and commercial use and for expansion of its agri-business activities.

Two technical assistance organizations that provide backup services to CDCs and related community groups also received aid:

—the Alaska Native Foundation (ANF), for a study of the twelve regional corporations set up to implement the Alaska Native Claims Settlement Act of 1971. ANF has helped the corporations develop census data, land-selection plans, and accounting systems.

—Universidad Boricua, New York, analyses related to needs of the Puerto Rican community in health, housing, law enforcement, and education.

Program-related investments were also made in two community efforts. The East Los Angeles Community Union (TELACU), a CDC founded in 1969 with the support of the United Auto Workers, serves a predominantly Mexican American community of 250,000 in such areas as manpower training, housing, tenant management, economic development, and social services. A five-year loan of $1 million will assist TELACU in the development of a $21 million industrial park aimed

## Grants and Projects

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<th>Grant Category</th>
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<th>Payments (1975)</th>
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<td>Work in America Institute</td>
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### Occupational Health and Safety

- California, University of (Berkeley) [318,000–1976]
  - 143,137
- Fund for Theatre and Film (Cambridge, Mass.) [25,000–1976]
  - 25,000
- INFORM, Inc. [65,000–1976]
  - 4,000

### Manpower Policy and Employment Studies, Conferences, and Technical Assistance

- George Washington University [150,000–1976]
- National Commission for Manpower Policy
- National Equal Rights Commission on Law and Public Affairs
- Recruitment and Training Program, Inc. [340,000–1974]
  - 19,174
   - 29,174

### Studies of Race Relations and Ethnicity

- American Jewish Committee [50,000–1974]
  - 49,748
- Harvard University [136,000–1974]
  - 51,122
- National Opinion Research Center [150,000–1976]
  - 95,000

### Civil Rights

### Legal Defense Funds

- Catholic University of America (Center for National Policy Review) [350,000–1976]
  - 131,250
- Foundation-managed project: film on the Native American Rights Fund
  - 15,000
- Lawyers’ Committee for Civil Rights Under Law
  - 300,000
  - 222,040
- Legal Action Center of the City of New York [350,000–1976]
  - 187,500
- Mexican American Legal Defense and Educational Fund [350,000–1976]
  - 2,500
  - 263,750
- NAACP Legal Defense and Educational Fund [350,000–1976]
  - 50,000
  - 350,000
- National Committee Against Discrimination in Housing [347,000–1976]
  - 241,700
- Native American Rights Fund [500,000–1976]
  - 44,859
- Puerto Rican Legal Defense and Education Fund [500,000–1976]
  - 100,000
- Women’s Law Fund [500,000–1976]
  - 75,000

### National Advocacy Organizations

- NAACP Special Contribution Fund [550,000–1976]
  - 44,950
- National Council of La Raza
  - 200,000
  - 200,000
- National Council of Negro Women [150,000–1976]
  - 120,000
- National Urban League [1,100,000–1976]
  - 858,692

### National and Regional Resource Centers

- Hawaiian Coalition for Native Claims
  - 25,000
  - 26,000
  - 19,000
- Notre Dame, University of [3100,000–1973]
  - 93,750
- Southern Regional Council [1,100,000–1976]
  - 218,520

### Public Policy Research and Technical Assistance to Minority Public Officials

- Howard University [900,000–1970]
  - 259,000
- Joint Center for Political Studies
  - 235,000
- Voter Education Project
  - 105,000

*Dallas, Oakland, Baltimore, Washington, D.C., and San Antonio.*

At creating 2,500 new jobs in the community. The South Shore National Bank, owned by the Illinois Neighbor-

hood Development Corporation (INDC) and operated as a limited-profit institution, uses its capital resources to combat deterioration on Chicago’s South Side.

A ten-year $600,000 investment will increase the bank’s capitalization so that INDC can expand its urban development work.

**Neighborhood Preservation and Housing Management.**

Four years ago the Foundation began its work in neighborhood preservation with the establishment of pilot Neighborhood Housing Services (NHS) in five cities.*

Based on a model developed in Pittsburgh, NHS revitalizes neighborhoods by enlisting the support of home owners, city officials, lending institutions, and local foundations to enable residents to overcome redlining practices and obtain loans to keep their homes in good repair. NHS programs are now operating in forty cities, and Congress has acted to fund the Urban Reinvestment Task Force, which supervises the national NHS program, as an independent agency with a direct federal appropriation.

The Foundation continued its support for a number of local organizations, including NHS groups, for existing programs and for other experiments in housing and neighborhood conservation. These included a test of the concept of prepaid housing maintenance services for home owners, efforts to revitalize retail and commercial areas, and a multi-family urban homesteading program.

In the Boro Park neighborhood of Brooklyn, for example, Agudath Israel of America received support for conservation efforts. The largest Orthodox Jewish area in the country, Boro Park also has a sizable Italian-American and a growing Hispanic community, and the program seeks a multi-ethnic involvement. If successful, the project may serve as a model for conservation efforts in similar neighborhoods.

In low-income public housing projects the most promising approach to revitalization is tenant manage-

ment. In St. Louis, where tenant management is in its fourth year, rent collections have increased, vacancy rates are down, maintenance has improved, and vandalism and crime have decreased. St. Louis was the model for a national demonstration program in tenant management financed by the Foundation and the U.S. Department of Housing and Urban Development (HUD). The St. Louis Tenant Affairs Board, which received a $138,000 supplementary grant this year, has now gone beyond management reform. It is developing programs in employment, economic development, social services,
and education, in order to stabilize its communities and increase rental income.

The difficulties encountered by federally subsidized and insured housing for low- and moderate-income tenants are not unlike those of public housing. Grants went to two organizations working to improve the operation of nonprofit or limited-dividend developments:
—Advisory Services for Better Housing in New York City, which has developed a model for treating the problems of distressed developments by working closely with HUD officials, owners, managers, and tenants.
—The National Housing Law Project of the University of California (Berkeley), which will try to use the model developed in New York to assist troubled housing developments in San Francisco and Los Angeles.

WORKING CLASS PROBLEMS AND CONCERNS
For the last seven years, the Foundation has been a major contributor to the Center for Urban Affairs, which concentrates on the needs of white ethnic working-class communities. In addition, the Foundation in 1977 continued support of organizations concerned with the quality of working life, occupational health and safety, and public policy issues related to employment.

Harvard University’s Project on Technology, Work and Character received a $60,000 grant to extend its work on a job enrichment program at an automobile mirror plant in Tennessee, where new labor-management cooperative arrangements have increased both earnings and workers’ opportunities for personal growth. The project will also introduce a similar program at another plant and provide graduate students with on-site training.

CIVIL RIGHTS AND MINORITY OPPORTUNITY
This area of long-standing commitment by the Foundation includes support of legal defense funds, of resource and policy centers, and of organizations that address specific issues, such as minority access to the media or equal opportunity in housing.

This year the Lawyers’ Committee for Civil Rights Under Law, one of nine legal defense funds supported by the Foundation (see list, page 13), received a two-year supplementary grant for the work of its Jackson, Mississippi, office. Established in 1965 to conduct civil rights litigation on behalf of the state’s black population, the office will continue to focus on the rights of political access and equal employment opportunity.

The National Council of La Raza, representing Mexican Americans, received renewed assistance to continue its work in housing, economic development, employment discrimination, migrant children’s education, and delivery of social services.
Final support went to the Office of Communications of the United Church of Christ, which the Foundation has assisted since 1968 with a total of some $1 million. The office has been highly effective in reducing racial discrimination in programming and employment in commercial and noncommercial broadcasting.

In the field of housing, the Foundation continued to aid innovative local programs to open up housing opportunities for minorities and to strengthen existing interracial neighborhoods. Activities include a community insurance program in Oak Park, Illinois, to protect home owners against major losses if real estate values drop in racially mixed neighborhoods, and a program to help qualified applicants for federal rent subsidies find apartments in diversified neighborhoods in Ohio’s Cuyahoga County, which includes Cleveland.

Additional assistance also went to National Neighbors, the country’s principal organization for fostering integration in the changing neighborhoods of older cities, and to the Suburban Action Institute for its program to improve housing opportunities for low- and moderate-income families in the New York-New Jersey-Connecticut region.

**STATUS OF WOMEN**

The Foundation continued to support efforts to broaden women’s employment opportunities, secure their legal rights, and improve child-care services. In addition, several programs to help teen-age parents were assisted.

In the field of employment, one of the Foundation’s efforts has been to encourage leadership training for women in trade unions. This year a supplementary grant of $160,000 went to Cornell University’s New York State School of Industrial and Labor Relations, which since 1973 has offered an accredited one-year program in women’s labor studies. Several graduates are now in executive, editorial, and organizing positions in unions.

Assistance also went to the National Urban League for support of the National Committee on Household Employment (NCHE). The major focus of NCHE this year has been on implementing a code that would standardize wages, duties, hours, and benefits for the nation’s 1.5 million household workers.

Two model child-care information and referral services received supplementary grants: the Child Care Resource Center in Cambridge, Massachusetts, and the Child Care Switchboard of the Children’s Council of San Francisco. Both centers provide information on low-cost child care and match parents with the kinds of services they need. Because they have proved effective in encouraging low-cost child care while maintaining high standards, the centers are serving as models for a
national program to establish child-care information and referral groups. This program is funded jointly by the Foundation and the U.S. Department of Health, Education and Welfare.

The high rate of teen-age pregnancy tends to trap an ever-increasing number of adolescents in the poverty-welfare cycle. A number of grants were made this year to assess public and private services available to teen-age parents and to test programs to encourage these youngsters to return to school, enter job training, or seek jobs. For example, the Tenant Affairs Board in St. Louis has designed a “surrogate mother” arrangement that pairs teen-age mothers with mature women from the community who provide them with guidance.

**LAW AND JUSTICE**

Crime, especially violent crime, is increasing, and so is dissatisfaction with the apparent inability of the existing criminal justice system—the police, the courts, the prisons—to do much about it.

One of the problems in devising more effective approaches to dealing with crime is a lack of research. Statistics abound, but they are not always accurate or finely calibrated, and their analysis can be misleading. In an effort to make sounder and more comprehensive information available, the Foundation supported two research programs:

—A broadly based survey and analysis of the causes and effects of crime and society’s institutional responses. The report of this five-year project will be published in 1978.*

—Activities aimed at developing multidisciplinary analysis of the wide-ranging impact of organized crime, for which the Foundation set aside $400,000 for an eighteen-month period. The enormity of this topic and the popular perception of it reflected in novels, films, and television series, have tended to limit the kind of integrated, systematic inquiry that could form the basis for effective public policy approaches. Among projects being considered are studies of the relationship of illegal activities—loansharking and bookmaking, for example—to legitimate business and of the adequacy of regulatory and enforcement organizations to contain pervasive patterns of illegal and corrupt behavior.

One measure of the crime problem is the enormous increase in the prison population, which has complicated prison efforts reform. The American Bar Association Commission on Correctional Facilities and Services, which received a supplementary grant of $120,000, works for reform throughout the correctional system.

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* *Criminal Violence, Criminal Justice,* by Charles E. Silberman, to be published in Fall 1978 by Random House.
The commission will continue such projects as cost comparisons of various correctional alternatives, involvement of state and local bar associations in reforms, and employment aid to newly released offenders.

Renewed aid also went to the Correctional Information Service, which publishes Corrections Magazine, a principal source of comprehensive reporting and analysis of institutions, programs, and innovations in the correctional process. Corrections is also the model for a proposed new magazine, Police, devoted to detailed, objective reporting about the nation's police systems. Police is one of the projects being aided by a supplementary general support grant of $1.4 million to the Police Foundation. The Police Foundation, a major resource for experimentation and research on police performance, was established by the Ford Foundation in 1970.

PUBLIC INTEREST LAW

There are now approximately 600 lawyers practicing in some ninety nonprofit public interest law centers. Despite its steady growth in the last ten years and its recognition as a permanent part of the legal system, public interest law still faces the problem of developing an adequate base of financial support. To assist in designing approaches to future financing of public interest law centers, the Foundation renewed its support of the Council for Public Interest Law, which has established a fund to supplement and assist fund-raising efforts of individual centers.

Supplementary grants also went to two of the centers:
—Public Advocates in San Francisco, which concentrates on issues of concern to working people and minorities in California. The center is continuing its work in education, criminal justice, consumer issues, governmental accountability, employment discrimination, and the rights of women, children, and the handicapped.

—The Institute for Public Interest Representation of the Georgetown University Law Center, which helps organizations and individuals gain access to the federal administrative process. It has concentrated on such matters as the implementation of the Freedom of Information Act and its new supplement, the “Government in Sunshine” Act, the problems of the handicapped, and parole administration.

A comprehensive study of the field of public interest law has been completed by Burton A. Weisbrod of the University of Wisconsin.* The Foundation-assisted report looks at the subject from a broad economic perspective, assessing the current and prospective consequences of this new field of law.

*Public Interest Law: An Economic and Institutional Analysis, to be published in Spring 1978 by the University of California Press.
CONFLICT RESOLUTION

Although litigation is a common method of resolving disputes, social conflicts are so increasing in number and intensity as to overburden the courts and administrative agencies. Moreover, adjudication often leaves the parties to the dispute divided and resentful. For several years the Foundation has supported experiments and studies aimed at applying third-party nonjudicial techniques to a variety of disputes. Three organizations this year received supplementary assistance totaling $485,000:

— the American Arbitration Association’s Community Dispute Service, which is investigating the use of mediation in disputes over equal employment opportunity, medical malpractice, the environment, civil rights, and public schools.

— the Institute for Mediation and Conflict Resolution, which concentrates on community disputes in New York City. The institute has mediated disputes between racial, religious, and ethnic groups; community organizations and government agencies; teachers and parents groups; and institutions, such as housing authorities, and their clients.

— the United States Conference of Mayors, for its Labor-Management Relations Service. The service trains local public officials in collective bargaining techniques so that they can deal with the special labor-management problems that have developed with the growth of public employee unions.

Assistance also went to the Institute of Collective Bargaining and Group Relations to investigate the use of labor-management dispute settlement techniques in New York City's performing arts institutions, and to the Urban Environment Conference Foundation in Washington, D.C., to bring together labor, environmental, and civil rights groups that find themselves in conflict over issues of environmental policy.

The Foundation also set aside $100,000 for further explorations of ways to resolve other types of conflict more efficiently and fairly. These include:

— complex public policy disputes that pit broad national objectives against the concerns of private citizens, such as between the availability of jobs and lower-cost fuel on the one hand and environmental protection on the other;

— regulatory disputes (for example, broadcasting license renewals) where underlying issues of larger concern, such as equal opportunity, attract intervention by outside interest groups;

— disputes between the clients of social welfare programs—for example, Medicaid or Aid to Families with Dependent Children—and the agencies that administer them.
**IMPROVING GOVERNMENT PERFORMANCE**

The Foundation's efforts to improve government performance center on research, evaluation, and experiments in streamlining operations and making government more responsive to people’s needs.

Grants this year went to a number of institutions engaged in policy research and evaluation. Among them were the Brookings Institution, which is in its fifth and final year of monitoring the General Revenue Sharing Act, and the National Academy of Sciences, which is evaluating the implementation of the Comprehensive Employment and Training Act.

In addition, the American Bar Association Fund for Public Education received support for its Commission on Law and the Economy. The commission, composed of lawyers, jurists, and political scientists, is analyzing the procedures by which the federal government establishes economic policy and regulates the economy.

On the state level, the National Academy of Public Administration Foundation received assistance for an evaluation of Florida’s recently decentralized Health and Rehabilitative Services Department. The study is expected to be useful for other states as well as to the U.S. Department of Health, Education and Welfare, which is reviewing its block-grant social services program. The Council of State Community Affairs Agencies, which was organized last year so that officials of such agencies could share experiences and ideas, received a grant to help state governments work effectively in community development.

In the area of citizen involvement, grants went to the National Municipal League for its All-America Cities program, which gives awards for citizen participation in local government and institutions; to the National Center for Voluntary Action, which operates a network of volunteer groups, and to the Public Agenda Foundation, for public opinion polling on policy issues.

With a grant of $1 million the Foundation renewed support for the Urban Institute. The institute has broadened its program to include research on state and local finance, housing, internal migration, minority problems, crime, welfare payments, transportation, and land use.

The Foundation continued support for studies and other projects related to New York City’s fiscal crisis. These included work on the city’s zoning laws, development of an econometric model of the metropolitan region, and analysis of the changing circumstances of representative business firms. The Citizens Committee for New York City, which has mobilized volunteer talent through its program to help neighborhood groups develop and manage self-improvement efforts, also received a supplementary grant.
Resources and the Environment

The principal emphasis of the Foundation's work in resources and the environment continued to be independent research that contributes to the formation of public policy. A new effort this year was improving the quality of research and analysis available to state governments, which have taken on increased responsibilities for environmental management in such areas as land use, waste disposal, pollution control, and coastal zone regulation.

The Foundation gave further assistance to experiments in environmental dispute mediation and to four public interest law firms that have been working primarily toward a cleaner, safer environment. Support was also given to help less-developed countries manage their land and water resources more productively and develop strategies for avoiding environmental deterioration.

Energy and Environmental Policy. Public policy research regarding the environment has tended to focus on the activities of the federal government. But more and more environmental programs are operating through agencies of state government. To help the states do a better job of energy and environmental management, the Foundation this year set aside $775,000 for a grant competition that will enable university scholars to work cooperatively with state agencies on environmental problems. The funds will support such activities as year-long assignments of scholars in state government, joint university-government seminars, and technical advisory panels for state environmental agencies. Scholars will also conduct research aimed at improving state policies in such areas as pollution control, land use and growth planning, solid waste management, and the extraction, transport, utilization, and conservation of energy.

Two related grants were made to assist joint university-state research projects in Pennsylvania and Wisconsin. The Center for the Study of Environmental Policy at Pennsylvania State University received $135,000 for faculty research on such issues as the booming market for recreational lands, the future role of nuclear power, and problems in the disposal of toxic and other wastes. The University of Wisconsin received funds to enable faculty and postdoctoral students to work in state environmental agencies on a state energy conservation plan, the management of state-owned forest land, and the reduction of stream pollution.

A $2 million supplement went to Resources for the Future (RFF), an independent environmental research organization that has received large-scale Foundation
support over twenty-five years. Reorganized in the last two years, RFF has been giving greater emphasis to studies relevant to public policy and practical problem solving. In one of its projects, the organization is planning for the day, thirty or forty years from now, when U.S. oil and natural gas are expected to run out, weighing the relative advantages of energy systems based on fossil fuels, nuclear power, solar energy, and geothermal energy. Other RFF studies are examining such subjects as the management of public lands and ocean resources, and the environmental impact of nuclear wastes, increased coal production, and chemicals used in agriculture and industry.

Energy policy has been an important focus of Foundation-supported research for several years. The Foundation’s Energy Policy Project, a three-year study completed in 1974, concluded that future supplies would be seriously inadequate and that energy conservation should be a major policy goal. In 1976 a Foundation-supported Nuclear Energy Policy Study, prepared by twenty-one prominent scientists and scholars, examined a wide range of issues related to the development of nuclear power.* Two related activities were assisted this year. A $100,000 grant was made to the Alliance to Save Energy, a volunteer organization that is seeking to educate Americans on the need for energy conservation. The Center for Strategic and International Studies at Georgetown University received $50,000 for an examination of the environmental problems associated with accelerated development of U.S. coal resources. Funds were also set aside for conferences of U.S. and European experts to discuss the findings of the Nuclear Energy Policy Study.

Environmental Law and Mediation. Issues such as offshore oil drilling, the siting of dams and power plants, and the substitution of coal for other fuels bring two desirable goals into conflict: the need to develop new sources of energy and the need to protect and preserve the environment. In most cases responsible arguments can be made on both sides, and in the past few years the Foundation has assisted experiments in the use of third-party mediation techniques to resolve conflicts over these and other complex environmental issues. This year additional funds were granted to the University of Washington’s Office of Environmental Mediation, which has helped settle disputes over a flood control project, the routing of a new interstate highway in the Seattle area, and the development of the Puget Sound port of Everett. The grant will assist a continuation of these activities, research on the mediation process, and training of mediators.

Support was continued for four public interest law firms that have played a significant role in helping protect the public interest in legal proceedings involving the use of toxic chemicals, offshore oil exploration, strip mining, timber management, and nuclear reactor safety. They are the Natural Resources Defense Council, the Environmental Defense Fund, the Center for Law and Public Interest, and the Sierra Club Legal Defense Fund. The Foundation expects to reduce its future support for these organizations since all have been able to develop alternative sources of funding.

The Environmental Law Institute, established in 1969 to monitor legal developments in the environmental field, was granted $550,000 for environmental policy research and technical assistance to governmental agencies. The institute publishes the Environmental Law Reporter, and has studied the federal government’s anti-pollution programs, the role of state and local government in promoting energy conservation, air quality, and wetland protection, and impediments to solar energy.

International Programs. Efforts of less-developed countries to accelerate development of their natural resources have brought in their wake a host of environmental problems. Intensive cultivation of tropical soils, for example, has led to soil erosion and nutrient depletion. The cutting of forests for fuel and cropland has reduced the ability of upland areas to hold water and caused severe erosion, flood damage, and the siltation of major reservoir projects. The expanded use of pesticides has endangered inland and coastal fisheries.

The Foundation has been assisting several countries in the analysis of these problems and in the training of specialists in resource and environmental management. This year support went to Indonesia’s Institute of Agriculture in Bogor for research and training in the environmental sciences. For example, Bogor scientists are identifying ecological problems associated with the government’s plan to drain more than one million acres of tidal swampland in South Sumatra and open them to settlement. The researchers are also working on plans for the optimum development of the area’s fishery, forest, and agricultural resources.

The University of the Philippines received a grant of $340,000 to develop a university-wide program to coordinate academic training and research in the environmental sciences. Scientists and students at the university are working on projects concerning river-basin management and development, rehabilitation of upland watershed areas, forest and grasslands manage-

ment, multiple cropping, and pest control. The Institute for Research on Biotic Resources in Mexico received funds for work on such problems as the productivity and stability of marshland agriculture and resource planning in tropical lowlands and semi-arid uplands.

Resources for the Future, which heretofore has confined its work mainly to the United States, received a preliminary grant for a long-term program of research and training on the resource and environmental issues of agriculture in developing countries. RFF specialists will work with institutions in India and the Philippines in assessing the environmental consequences of development projects.

Supplementary grants went to complete two research projects in Egypt. Scientists have undertaken a series of water quality studies of the Nile River-Lake Nasser system in an effort to learn more about the alterations introduced by the construction of the Aswan Dam and to gain information for improved management of the system. The other project involves the development of a computer model of plant and animal life in the western coastal desert, a once fertile region that figures prominently in Egypt's plans for increased food production.

For research on global environmental and resource problems, funds were granted to the International Institute for Applied Systems Analysis in Austria. Formed to promote scientific cooperation among the industrialized countries, the institute has been studying water quality, food and agricultural problems, and the application of ecological principles to resource management. One of its studies has found that the modifications of global weather patterns brought about by increased burning of fuels may limit future energy use as much as scarcities of oil, coal, and other energy resources.
Communications Policy

Communications Policy: Planning for the Future, a Foundation-assisted study by the Aspen Institute's Program on Communications and Society, was completed this year and will be published in the spring of 1978. It deals with many of the policy issues brought on by the rapid development of modern communications technologies. Among the subjects considered are the possibility of electronic mail service; the expansion of mobile radio telecommunications (foreshadowed in the enormous popularity of Citizens Band radio) and its effects on the telephone industry; the pros and cons of government regulation of cable television; the future of books, magazines, and newspapers in an increasingly electronic society, and the international implications of the new communications, particularly for the free flow of information and ideas.

In addition to supporting such comprehensive policy analyses, the Foundation made grants for conferences and studies on television's effect on children and the influence of the mass media on political campaigns. For a series of eleven seminars on TV selling to children, a $132,460 grant went to Georgetown University. The meetings have attracted participants from government, the law, business, children's interest groups, and the advertising and television industries. They discussed the ethics of treating children as an exploitable market, the role of government in regulating advertising directed at children, and the effects of ads shown on programs not intended for children but watched by many of them. The Council on Children, Media, and Merchandising, which monitors television's selling practices to children and studies their effects on children, received $75,000 to continue research. In particular the council will analyze the advertising of possibly hazardous products and the issuance of warnings that children will understand.

Under grants to Yale University and the Aspen Institute, political analysts are assessing the interaction between the media and the Presidential campaign of 1976, and studying the feasibility of organizing television debates for the 1978 Congressional and gubernatorial elections.

Journalism

Brookings Institution
Study of Washington, D.C. news corps 60,000 30,000

Columbia University
Columbia Journalism Review ($191,000—1978) 148,900

Conferences and studies on news and the law
Florida, University of
Foundation-managed project 1,000 1,000

Hamline University of Minnesota
3,000 3,000

International Press Institute
39,505 39,505

Northwestern University
5,000 5,000

Mid-career journalism training
Foundation-managed project: fellowships* [$100,000—1978] 189,186 216,108

University of Southern Studies 12,000 12,000

Yale University ($109,130—1976) 80,202 149,231

National News Council
Book on the embassies in journalism 5,856 5,856

Training of minority journalists
California, University of (Berkeley) 25,000 (1,135)

Columbia University ($15,000—1976) 7,500 15,000

Missouri, University of
7,500 7,000

Northwestern University
31,458 22,500

Stanford University
7,500 7,500

Public Television

American Universities Field Staff
Public television programs on world affairs 25,000 25,000

*List available on request.
A "news and the law" seminar held in conjunction with the 1977 convention of the American Society of Newspaper Editors in Honolulu. The Foundation has supported twenty-two such seminars, which bring together judges, lawyers, reporters, and editors to confront issues underlying apparent conflicts between freedom of the press and such issues as national security, grand jury secrecy, and the right to a fair trial.

together leading judges, lawyers, and journalists to discuss such issues as publication of classified documents, grand jury secrecy, judges' restraining orders, and journalists' invasions of privacy. The goal of the seminars is to increase understanding of the complex issues that cause tensions among the press, the judiciary, and the legal profession—for example, when freedom of the press collides with the right to a fair trial.

Grants to the University of Florida, Hamline University in Minnesota, and Northwestern University helped underwrite one-day conferences on law and the media, and the Foundation published a handbook, with a tape cassette, to help local news groups and bar associations organize additional conferences. The Foundation also continued support for a new weekly, *Media Law*
Reporter, published by the Bureau of National Affairs, which covers the status of litigation in this field.

The first international “news and the law” seminar was held in England in June, and explorations are under way to try the format in other countries. In addition, the seminar technique is being adapted to other fields. A conference on conflicts between the business community and the media was held in October.

Much of the responsibility for informing the American public about the federal government's policies and programs falls to the Washington press corps. Whether reporters are being used efficiently in ways that lead to a thorough presentation of national news is the subject of a study supported by a grant to Brookings Institution. The focus is not on editorial decisions—what to publish or not once the news is gathered—but on the deployment of reporters, the range of their assignments, and the range of the resulting news coverage.

To help provide a greater number of reporters with the academic training helpful in covering a beat as complex as the courts and the law, the Foundation in 1976 began support for one-year fellowships, for five journalists, at the Yale University School of Law. A second round of five fellowships was funded this year. The course work, leading to the Master of Studies in Law, offers a systematic introduction to legal studies and closely resembles a first-year law curriculum.

A second round of mid-career journalism fellowships in education was also supported. A total of sixteen participants, including seven selected this year, have spent from three to four months investigating such subjects as parents' rights in education, textbook selection, school desegregation, bilingual education, and school finance. The program, which is administered by the Institute for Educational Leadership at George Washington University, also aims to give reporters a deeper knowledge of the policy-making and governing bodies that help shape American education.

For the third year the Foundation supported graduate scholarships for minority students at the journalism schools of Columbia, Northwestern, and Stanford Universities and the University of Missouri. Fifty-five students have been assisted, and more than half of the first year's class are working with news organizations. Support also went for a conference at Northwestern on special problems of reporting issues of importance to minorities. The conference was attended by minority scholarship recipients and by the journalism fellows in education. Renewed support went to the University of California (Berkeley) for an intensive summer journalism program for minorities. This program is an outgrowth of a similar one supported by the Foundation at Columbia University from 1968 to 1974. Graduates who complete the course successfully go to pre-arranged full-time reporting jobs.

PUBLIC TELEVISION

The base of support for public broadcasting has greatly expanded since the days when the Foundation was the largest single source of funds. A mark of this change was the announcement by the Administration shortly after the close of the fiscal year of a proposed $1 billion, five-year authorization for public television beginning in 1980.

Having concluded its large-scale support—grants totaling $285 million from the early 1950s through 1976—the Foundation decided this year to make selective grants for public TV programming on subjects related to the interests of other parts of the Foundation, such as public affairs and the arts. The bulk of support in earlier years was in the form of unrestricted programming grants.

Responding to persistent criticisms of public television—that it does not broadcast enough documentaries and that independent producers have difficulty getting their works on the air—the Foundation and the National Endowment for the Arts this year each provided $250,000 to establish an Independent Documentary Fund at the Television Laboratory, an experimental center within WNET/13, New York. Awards ranging from $10,000 to $100,000 will be made in the first year to ten selected film and video producers. Their documentaries will be broadcast over the Public Broadcasting Service (PBS) network.

To help WETA, the public station in Washington, D.C., realize its potential for specialized coverage of national affairs, a grant of $500,000 was made to assist in the launching of the Federal City Station Plan. The plan calls for eighty to ninety days a year of live daytime broadcasts of activities of Congress, the President, the Supreme Court, and federal agencies. Twenty-six one-hour summaries of the daytime coverage will also be produced, and all the programs will be available to PBS and to local stations.

"Visions," a series of original American plays produced at KCET-Los Angeles under the artistic direction of Barbara Schultz, received renewed support with a $500,000 Foundation grant (as well as a like amount from the National Endowment for the Arts and $1 million from the Corporation for Public Broadcasting). Funds were used to find new scripts and to prepare six new productions for a third season of "Visions" in 1978-79. The first season and the start of the second were well received by both the public and the critics. The "Visions" series continued to be the only anthology of original drama on television in the United States.
The Arts

PERFORMING ARTS

Since the early 1960s the Foundation has committed some $43 million to the development of nonprofit professional theaters as alternatives to the commercial theater.* Assistance for the development of new playwrights, which has been an important ingredient of this effort, was expanded in 1976 with the launching of the New American Plays Program. The program provided subsidies to eighty-nine theaters to stage first or second productions of new plays. One of them, Michael Christofer’s The Shadow Box, produced at the Long Wharf Theatre in New Haven, subsequently went to Broadway and won both the Pulitzer Prize and the Tony Award for the Best Play of the Year.

In Round 2 of the program, for which $350,000 was allocated this year, the upper range of subsidies will be increased to $20,000 (from $7,500) and the number of participating theaters reduced to some thirty or forty. The principal criterion for selection will be the theaters’ demonstrated commitment to working closely with writers in shaping new works for the stage.

Since 1971 the Foundation has helped stabilize the finances of performing arts groups primarily through its cash reserve program.** Because of declining Foundation budgets the program has been reduced in size, although stabilization funds continue to be provided in other forms, with particular emphasis on helping newer, less established companies. Two cash reserve grants were made this year, to the Performing Arts Foundation of Long Island in Huntington, New York, and to the McCarter Theatre Company in Princeton. In New York City, grants to the Circle Repertory Company and the Manhattan Theatre Club contained cash reserve components, and another form of stabilization grant was made to the Ensemble Studio Theatre. All five of these companies also received production subsidies under Round 1 of the New American Plays Program.

The Foundation made two program-related investments on behalf of the theater in New York. A $250,000 loan enabled the 42nd Street Redevelopment Corporation to begin renovating six tenements on the rundown edge

*See Theater Reawakening, available from the Foundation’s Office of Reports.

**The program provides funds to liquidate half of a company’s net current liabilities after the company has liquidated the other half within a prescribed period. Thereafter companies must end each fiscal year with current assets at least equal to current liabilities. The program also provides a restricted revolving fund, payable over a four- or five-year period, from which withdrawals may be made for ongoing expenses. Withdrawals must be returned to the fund by the end of the fiscal year for the company to be eligible for the next installment. At the end of the grant period companies meeting the program’s conditions may keep the revolving fund as an unrestricted working capital reserve.

<table>
<thead>
<tr>
<th>Grants and Projects—The Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appraisals</strong></td>
</tr>
<tr>
<td>American Assembly</td>
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<tr>
<td>American Council of Learned Societies</td>
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<tr>
<td>Arts and Business Council of New York City</td>
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<td>Associated Councils of the Arts</td>
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<tr>
<td>Brooklyn Academy of Music</td>
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<tr>
<td>Foundation-managed project</td>
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<tr>
<td>INFORMATION, Inc.</td>
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<tr>
<td>Johns Hopkins University</td>
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<tr>
<td>Municipal Art Society of New York</td>
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<tr>
<td>Studies in financing of the arts</td>
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<td>TAG Foundation</td>
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</tbody>
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THEATER

Audience development
- A Bunch of Experimental Theaters of New York, Inc.
- Ensemble Studio Theatre (New York City)
- Theatre Development Fund (New York City) [$200,000—1979]
- [51,000,000—1979]
- [500,000—1979]
- [500,000—1976]
- [500,000—1976]
- [500,000—1975]
- [500,000—1975]
- [500,000—1975]
- [500,000—1975]
- [500,000—1975]
In a music class taught according to a method devised by the Hungarian composer, Zoltan Kodaly, children give the hand signal for the sound “so” on the music scale. In the Kodaly approach children begin by singing songs they already know, then learn to recognize combinations of sounds and to read music either in written notation or through hand signals.

<table>
<thead>
<tr>
<th>General theater development</th>
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<tbody>
<tr>
<td>International Theatre Institute of the United States (New York City)</td>
<td>$200,000—1975</td>
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<tr>
<td>Theatre Communications Group (New York City)</td>
<td>400,000</td>
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<tr>
<td>Working Theatre, New York</td>
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<tr>
<td>Training of teachers for the theater</td>
<td>$240,000—1976</td>
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<td><strong>MUSIC</strong></td>
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<tr>
<td>Advanced Training</td>
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<tr>
<td>Juilliard School (New York City)</td>
<td>$7,275,000—1971</td>
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<tr>
<td>Mannes College of Music (New York City)</td>
<td>46,175</td>
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<tr>
<td>San Francisco Conservatory of Music</td>
<td>119,765</td>
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<tr>
<td>Affiliate Artists, Inc.</td>
<td></td>
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<tr>
<td>Development of performing artists’ careers</td>
<td>$700,000—1973</td>
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<td>Training program for community arts leaders</td>
<td>16,325</td>
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</tbody>
</table>

of the city’s theater district. They will be transformed into “Theatre Row,” a complex of rehearsal, office, and performance spaces for rent at reasonable rates to several nonprofit theaters.

The Brooklyn Academy of Music, which dates from 1861 and has been enjoying a lively revival in dance and music as well as theater during the past ten years, has consolidated and refinanced its accumulated debts with a five-year bank loan of $300,000. The Foundation guaranteed up to two-thirds of the loan and has promised the academy a grant of up to $75,000 (to cover interest costs) if the loan is repaid in five years.

Two national service organizations for the nonprofit performing arts were assisted. Theatre Communications Group, established by the Foundation in 1961, received $400,000 over five years to continue its activities while
it broadens its base of support. TCG runs a casting service and national student auditions, maintains files of theater artists and listings of new plays, provides management and fund-raising advice, and publishes a newsletter and other informational material.

The TAG Foundation, which has provided technical, management, and production assistance to some 100 dance companies and other artistic groups, was given a three-year grant of $183,850. In addition to its management services, TAG has organized the Dance Umbrella, which presents performances by smaller modern dance companies.

ARTS IN EDUCATION
Foundation support for efforts to increase musical literacy among school children has focused on training teachers in an instructional method developed by the eminent Hungarian composer, Zoltan Kodaly. In 1976 teachers trained with Foundation support at Holy Names College in Oakland, California, began a pilot program in the San Jose school system, which resulted in the system’s deciding to adopt the Kodaly method throughout its elementary schools. The Foundation this year gave Holy Names a supplemental grant to enable it to introduce the program in eight schools, while San Jose officials complete plans and budgetary arrangements to include all thirty-six schools.

A complementary approach to advancing musical literacy, developed with Foundation assistance by Icelandic and American music educators, is being tried out through a grant to Iowa State University. A model curriculum is being tested over a four-year period in the public schools of Ames, Iowa, and in two schools in Iceland. Music education students at Iowa State will use the curriculum in practice teaching, and the state’s supervisor of the arts will evaluate the results.

For a number of years the National Endowment for the Arts has funded a program of one-year residencies for dance companies, choreographers, and professional dance teachers in elementary and secondary schools throughout the country. The Foundation this year granted $22,000 to enable Senahan, Inc., which administers the program, to provide additional training through short-term residencies in twenty schools. The aim is to test whether a two-year cycle of residencies will result in more schools adopting dance and movement courses permanently. The grant will be matched by the National Endowment and the participating school systems.

NEW DIRECTIONS
The Foundation has been investigating ways of cooperating with various private and governmental groups that are trying to protect existing artistic assets as well as
<table>
<thead>
<tr>
<th>GRANTS AND PROJECTS</th>
<th>Approvals (Reductions)</th>
<th>Payments (Refunds)</th>
</tr>
</thead>
</table>
| **Southeastern Academy of Theatre and Music**  
(Academy Theatre, Atlanta)  
Training of arts teachers [$375,000—1973] | 25,000 |

**ARTS AND MINORITIES**

<table>
<thead>
<tr>
<th>Training and performance programs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation-managed project: support for Newark Community Center for the Arts [$200,000—1975]</td>
<td>47,789</td>
</tr>
<tr>
<td>Free Southern Theater (New Orleans) [$225,000—1973]</td>
<td>33,322</td>
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<tr>
<td>George Washington University [$300,000—1976]</td>
<td>92,989</td>
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<tr>
<td>Inner City Cultural Center (Los Angeles) [$110,000—1976]</td>
<td>60,000</td>
</tr>
<tr>
<td>New Federal Theater (New York City) [$80,141—1976]</td>
<td>22,285</td>
</tr>
<tr>
<td>Visual Arts Center of Alaska [$200,000—1975]</td>
<td>30,000</td>
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**VISUAL ARTS**

<table>
<thead>
<tr>
<th>Catalogs of fine arts museum collections</th>
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<tbody>
<tr>
<td>Denver Art Museum</td>
<td>20,000</td>
</tr>
<tr>
<td>Fine Arts Museums Foundation (San Francisco) [$39,385—1976]</td>
<td>39,385</td>
</tr>
<tr>
<td>Foundation-managed project [$350,000—1972]</td>
<td>93,454</td>
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<tr>
<td>Museum of Fine Arts (Boston)</td>
<td>20,000</td>
</tr>
<tr>
<td>Nelson Gallery Foundation (Kansas City)</td>
<td>7,753</td>
</tr>
<tr>
<td>Philadelphia Museum of Art [$12,500—1971]</td>
<td>12,500</td>
</tr>
<tr>
<td>Princeton University</td>
<td>20,000</td>
</tr>
<tr>
<td>Rhode Island School of Design</td>
<td>20,000</td>
</tr>
<tr>
<td>Toledo Museum of Art [$7,500—1975]</td>
<td>7,500</td>
</tr>
</tbody>
</table>

**Institute for Art & Urban Resources** (New York City)

| Studio space for artists | 75,000 |

**New York University**

| Training of fine arts curators [$416,000—1977] | 38,949 |

**Professional studio art training**

| Columbus College of Art and Design [$150,000—1974] | 125,000 |
| Illinois University [$50,000—1974] | 25,000 |
| Indiana University [$150,000—1974] | 125,000 |
| Maryland Institute [$100,000—1974] | 75,000 |
| Massachusetts University [$100,000—1974] | 75,000 |
| Memphis Academy of Arts [$37,500—1974] | 125,000 |
| Museum of Fine Arts (Boston) [$150,000—1974] | 125,000 |
| Pratt Institute (New York City) [$70,000—1975] | 45,000 |
| Rhode Island School of Design [$150,000—1974] | 25,000 |
| Skowhegan School of Painting & Sculpture (Maine) [$50,000—1974] | 25,000 |
| Syracuse University [$150,000—1974] | 125,000 |
| Temple University [$60,000—1974] | 35,000 |
| Texas, University of (Austin) [$150,000—1974] | 125,000 |
| Washington University (St. Louis) [$150,000—1974] | 125,000 |
| Washington University (St. Louis) [$150,000—1974] | 125,000 |
| Western Michigan University [$50,000—1975] | 25,000 |
| Worcester Art Museum (Massachusetts) [$50,000—1975] | 25,000 |
| Yale University [$150,000—1974] | 125,000 |

| Southeastern Center for Contemporary Art (North Carolina) Art show, 1978 5,000 |

**CULTURAL ACTIVITIES IN GREECE**

| American Council of Learned Societies  
Lexicon of Turkish words in the Greek language [$33,610—1975] | 11,660 |
| Athens Technological Organization  
Foundation-managed project: consultants and research awards [$600,000—1975] | 27,058 |
| McGill University (Royal Institute for the Advancement of Learning)  
Experimental Greek language teaching [$8,007—1978] | 2,007 |
| Philosophical Research Center (Athens)  
Humanities research [$330,390—1974] | 77,110 |

**Total Arts** $2,428,425 $3,857,551

help new ones to grow. In recent years, for example, business corporations in various parts of the country have found it more economical to renovate older buildings than to venture the high costs of new construction. In this recycling process many buildings of architectural distinction have been saved and the new uses to which they are being put have helped upgrade surrounding neighborhoods. A Foundation grant to INFORM, Inc., supported an analytical survey of this conservation movement, which resulted in a collection of case studies titled Business and Preservation, published in 1977.

The rehabilitation of some older buildings provided suitable work space for artists at reasonable costs. The Institute for Art & Urban Resources has since 1970 provided studios for 250 artists and rehearsal and performance space for thirty performing groups in unused buildings in New York City. The institute's most recent find is an abandoned public school, a huge Romanesque Revival landmark in Queens, which the institute leases for $1,000 a year and rents to thirty-five artists. To help repay a bank loan obtained to repair and rewire the old school, the Foundation granted the institute $75,000, to be matched by contributions over a twelve-month period.

As interest in supporting community-based arts activities has grown among municipal and county officials, so has the demand for information. To assist recently formed city and county arts agencies the Foundation granted $38,500 to the Associated Councils of the Arts for research and publication of a handbook, Cities, Counties, and the Arts. It is intended as a practical guide to successful arts programs, funding procedures, and methods of involving the public.

Although specialized schools of the arts train a high proportion of the nation's professional performing and visual artists, many of them cannot be accredited under existing accreditation procedures and are therefore ineligible for certain kinds of federal funding such as scholarship aid. To investigate a way out of this impasse the Foundation granted $19,500 to the Association of Schools in the Arts, composed of ten schools in the New York area, to compile data about its members and investigate ways of obtaining formal accreditation. For other professional training schools in financial straits, a solution may be affiliation with a larger established institution. One such affiliation took place in 1977 between the Peabody Institute, a music conservatory, and Johns Hopkins University. For a report on the administrative problems encountered by the two institutions, which may serve as a guide to other groups considering similar mergers, the Foundation granted the university $42,400.
International Division

In the less-developed countries and elsewhere in the world, the International Division conducts its work in settings afflicted by a host of difficult problems. In the poor regions, rural poverty, massive unemployment, illiteracy, and ominously high rates of population growth frustrate even the best-planned efforts to improve conditions. In the world at large, disturbances in the international economic order, threats to international peace, acts of political repression, and problems of unemployment and urban blight have grown more complex and intractable.

The Foundation engages in international work out of a long-standing concern for peace, freedom, and justice throughout the world. In the less-developed countries, where about 80 per cent of its international funds are spent, the Foundation seeks to develop human skills and institutional resources for a more focused attack on social and economic problems. Programs are conducted in four major areas: agriculture, education and research, population, and management and planning.

The Foundation’s work in agriculture in poorer countries is aimed at developing the high-yielding crop varieties and production technologies needed for increased food production. Research and training to improve policy making and planning in agriculture are also supported. Increased attention is being given to bringing the benefits of scientific agriculture to small landholders, to developing crop varieties adapted to different ecological conditions, and to improving natural resource management.

The population problems of less-developed countries are addressed through such activities as basic research on human reproduction, the development and adaptation of contraceptive products, and social science research on the relations between population change and social and economic development. Increased funding from governments and international agencies for reproductive research and family planning has enabled the Foundation to reduce and reorient its support in this field.

In education, support is given for building national capacities to analyze educational problems and improve policy making. The Foundation also aids social science training and research aimed at improving planning and management of development programs. A growing interest is the role that women play in the social and economic development of poor countries.

Worldwide, the Foundation has expanded its support of programs to protect human rights and the free expression of ideas. Other activities supported are research and training in such fields as international

<table>
<thead>
<tr>
<th>Grants and Projects—International Division</th>
<th>Approvals</th>
<th>Payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural and rural development</td>
<td>$400,000</td>
<td>$150,000</td>
</tr>
<tr>
<td>Agricultural Development Council</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Rice Research Institute</td>
<td>300,000</td>
<td>365,250</td>
</tr>
<tr>
<td>Assistance to displaced scholars</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arikan, University of ($77,700—1976)</td>
<td>7,700</td>
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<tr>
<td>Foundation-managed project ($125,000—1976)</td>
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<tr>
<td>Development planning and management</td>
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<td></td>
</tr>
<tr>
<td>Boston University</td>
<td>8,000</td>
<td></td>
</tr>
<tr>
<td>Council for Asian Manpower Studies</td>
<td>75,000</td>
<td>38,500</td>
</tr>
<tr>
<td>Foundation-managed projects: consultants,</td>
<td>211</td>
<td></td>
</tr>
<tr>
<td>fellowships, * and conferences ($149,000—1973)</td>
<td></td>
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<tr>
<td>Social Science Research Council</td>
<td>9,710</td>
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<tr>
<td>Yale University</td>
<td>10,000</td>
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<tr>
<td>Education and research</td>
<td></td>
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</tr>
<tr>
<td>Foundation-managed projects: consultants</td>
<td>262,000</td>
<td>197,415</td>
</tr>
<tr>
<td>and study awards*</td>
<td>250,000</td>
<td>108,800</td>
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<td>Institute of Southeast Asian Studies</td>
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<td>1,703</td>
</tr>
<tr>
<td>Regional Institute of Higher Education</td>
<td>9,235</td>
<td>9,235</td>
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<tr>
<td>and Development</td>
<td></td>
<td></td>
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<tr>
<td>Stanford University ($250,000—1975)</td>
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<tr>
<td>Field office operations</td>
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<tr>
<td>Foundation-managed projects ($242,000—1975)</td>
<td>491,536</td>
<td>624,320</td>
</tr>
<tr>
<td>International relations and world problems</td>
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<tr>
<td>Asia Society</td>
<td>65,000</td>
<td>40,000</td>
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<tr>
<td>National Academy of Sciences</td>
<td>100,000</td>
<td>40,000</td>
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<tr>
<td>Population studies and reproductive sciences:</td>
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<td></td>
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<tr>
<td>research and training</td>
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<tr>
<td>Australian National University</td>
<td>25,000</td>
<td>10,000</td>
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<tr>
<td>Foundation-managed project: consultants,</td>
<td>(30,179)</td>
<td>67,544</td>
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<tr>
<td>training, and research ($265,000—1976)</td>
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<td></td>
</tr>
<tr>
<td>International Development Research Centre (Canada) ($175,000—1976)</td>
<td>100,000</td>
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<tr>
<td>Preservation of the arts and culture</td>
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<td></td>
</tr>
<tr>
<td>Cambridge, University of</td>
<td>12,000</td>
<td>12,000</td>
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<tr>
<td>Chicago, University of</td>
<td>25,000</td>
<td>25,000</td>
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<tr>
<td>Foundation-managed project: consultants,</td>
<td>(17,133)</td>
<td>10,160</td>
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<tr>
<td>training, and research ($205,000—1975)</td>
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<tr>
<td>International Centre for Conservation (Rome) ($50,000—1975)</td>
<td>5,000</td>
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</tr>
<tr>
<td>International Council for Educational Development ($25,000—1975)</td>
<td>18,750</td>
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<tr>
<td>International Council of Museums (France) ($220,000—1975)</td>
<td>31,770</td>
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<tr>
<td>Pennsylvania, University of</td>
<td>220,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Press Foundation of Asia</td>
<td>6,100</td>
<td>6,100</td>
</tr>
</tbody>
</table>

Bangladesh

Agricultural and rural development

Agricultural Development Council ($16,650—1975) | 11,125
Bangladesh Academy for Rural Development ($497,000—1973) | 13,225
Bangladesh Agricultural Development Corp. ($175,000—1976) | 48,388
Bangladesh Agricultural Research Council ($75,000—1975) | 40,825
Bangladesh Agricultural University | 11,877
Bangladesh, Government of Bangladesh Handicraft Cooperative Federation ($25,000—1975) | 10,934
Bangladesh Rural Advancement Committee | 152,000 14,954

*List available on request.
security and arms control, international economic relations, European affairs, and East-West relations.

The Foundation’s international work is conducted through eleven overseas offices in the less-developed world and one in Japan. As part of the Foundation’s general budget reduction, one representative’s post—in Peru—was eliminated during the year. The Foundation’s office in Bogotá, Colombia, now covers all activities in the Andean region (Colombia, Venezuela, Peru, Bolivia, Ecuador) as well as in the Southern Cone (Argentina, Chile, and Uruguay) of South America.

ASIA AND THE PACIFIC

Agricultural and Rural Development. Rice, the staple of millions of small cultivators, landless laborers, and urban poor throughout Asia, has not fared as well as wheat in the “green revolution” that has sharply raised agricultural yields over the last ten years. Modern plant research has produced improved varieties of rice, but they often are not suited to local growing and socioeconomic conditions faced by most peasant landholders. In India, for example, rice is grown in many different ecological zones and faces a wide set of hazards, including drought, excess water, inadequate sunlight, pests, and plant diseases.

Further research is needed to develop new varieties of rice and new production technologies tailor-made for various growing conditions. Several Foundation grants this year assisted such research, including a renewal of support for the International Rice Research Institute (IRRI) in the Philippines. IRRI has established a network of agricultural scientists throughout Asia in order to increase knowledge of local conditions and assist in testing seed varieties that combine high yield with resistance to local hazards. The Foundation also granted funds to India’s National Council of Applied Economic Research for a survey of agro-climatic and socioeconomic factors limiting rice productivity.

The continued growth of India’s population (experts estimate it will reach one billion by the end of the century) has convinced many leaders that water from the Himalayan mountains must be harnessed for irrigation in the rich Gangetic basin to achieve a vast expansion of food production. More intensive agriculture, however, depletes irreplaceable natural resources. Already in northern India, expansion of agriculture into the foothills of the Himalayas has led to overgrazing, cutting of forests, erosion, and increased flooding and sedimentation in the Gangetic plains.

The Foundation provided funds this year to assist two Indian institutions—the G.B. Pant University of Agriculture and Technology and the Central Soil and Water Conservation Research and Training Institute—in their
research on these problems. A major aim of the studies is to integrate work in agricultural and rural development with improved natural resource management. The funds will support a soil and water conservation project, research on alternative farming systems that will protect the environment, and development of improved watershed management strategies. Funds were also provided to enable a resource economist from Resources for the Future (see page 22) to work with Indian agencies on the resource and environmental problems of the Himalayan region and to Harvard University for research and training on the management of water and other natural resources in India.

Also assisted were a project to form community cooperatives in the Indian state of Karnataka, organized by the Manipal Industrial Trust, and a program in social forestry in the state of Madhya Pradesh. The latter project will help reduce soil erosion caused by overgrazing and cutting of forests by encouraging villagers to adopt improved land management practices.

For research and training on improved cropping systems and water resource management in northern Thailand, grants went to Chiangmai and Khon Kaen universities. The funds will support advanced training for social scientists and teachers of agriculture and engineering and assist research on such subjects as irrigation management, highland agriculture, and multiple cropping systems. A grant to the Philippines National Irrigation Administration is supporting staff training and research on water management and communal irrigation systems.

The Foundation continued to aid the development of skills for planning and policy making in agriculture. In Bangladesh, $500,000 was granted to train staff of the Ministry of Agriculture in economics and statistics and to establish a new unit to undertake research on the role of women in agriculture. The women’s unit will examine such subjects as women’s access to credit and their role in the processing and storage of food grains. In Pakistan, funds were provided for training and research aimed at increasing the productivity of the Indus Basin, one of the world’s great agricultural resources, whose potential is still largely untapped. The Agricultural Development Council, a U.S. organization that has been engaged in improving training and research in the rural social sciences throughout Asia, received a $400,000 supplementary grant.

**Development Planning and Management.** The Foundation over the past twenty years has made a major effort to help Asian governments improve their ability to plan and manage economic development. Grants have supported graduate programs in economics at Asian
<table>
<thead>
<tr>
<th>Grants and Projects</th>
<th>Approvals (Rejections)</th>
<th>Payments (Refunds)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Education and Research</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andalas University [$40,000—1975]</td>
<td>23,194</td>
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<tr>
<td>Foundation-managed project: consultants and fellows*</td>
<td>745,837</td>
<td>224,580</td>
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<tr>
<td>Gadjaal Madia, University of</td>
<td>35,000</td>
<td>31,000</td>
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<tr>
<td>Helsinki University [$152,000—1975]</td>
<td>32,270</td>
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<tr>
<td>Indonesia, Government</td>
<td>283,600</td>
<td>266,000</td>
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<tr>
<td>Institute of Legal Aid/Public Defender</td>
<td>55,006</td>
<td>10,006</td>
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<tr>
<td>Lambang Mangkurat University [$50,000—1975]</td>
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<td>19,063</td>
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<tr>
<td>League of Women Voters, Overseas Education Fund of the [$53,000—1975]</td>
<td>6,805</td>
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<tr>
<td>Oboi, Inc. [$50,000—1975]</td>
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<tr>
<td>Social Science Foundation</td>
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<td>70,000</td>
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<tr>
<td>Sylia Kura University [$115,000—1975]</td>
<td></td>
<td>24,255</td>
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<tr>
<td><strong>Language teaching fellowships, training, and workshops</strong></td>
<td>34</td>
<td>(115)</td>
</tr>
<tr>
<td>Foundation-managed project: fellowships*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[$100,000—1971]</td>
<td></td>
<td></td>
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<tr>
<td>Indonesia, Government of [$20,000—1975]</td>
<td>15,519</td>
<td></td>
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<tr>
<td>National Center for Language Development</td>
<td>(28)</td>
<td>390</td>
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<tr>
<td>[§4,000—1975]</td>
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<tr>
<td><strong>Population studies and reproductive sciences: research and training</strong></td>
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<tr>
<td>Foundation-managed project: consultants,</td>
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<td>training, and research</td>
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<tr>
<td>Indonesia, Government of [$220,000—1975]</td>
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<tr>
<td>Malang Institute of Teacher Training and</td>
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<td>Education</td>
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<td>National Family Planning Coordinating Board</td>
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<td><strong>Preservation of the arts and culture</strong></td>
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<tr>
<td>Foundation-managed project: recordings,</td>
<td>(3,623)</td>
<td>9,264</td>
</tr>
<tr>
<td>crafts, and other local activities [$100,000—1973]</td>
<td></td>
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<tr>
<td>Indonesia, Government of [$47,000—1973]</td>
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<td>National Archives of Indonesia [$3,019—1976]</td>
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<td>Sekhe Gamat Lenjeg Kraton</td>
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</tbody>
</table>

**JAPAN**

| Development planning and management         |                        |                    |
| International Development Center of Japan   | 15,700                 | 47,000             |
| [$114,200—1975]                            |                        |                    |
| Japan Center for Area Development: Research | 7,000                  | 7,000              |
| **Education and Research**                  |                        |                    |
| Hiroshima University                        | 30,000                 |                    |
| International House of Japan [$179,000—1976] | 50,000                 |                    |
| Japan Center for International Exchange     | 3,850                  | 33,949             |
| [$98,000—1976]                             |                        |                    |
| **International relations and social problems** |                        |                    |
| Columbia University                         | 37,000                 | 19,675             |
| International Press Institute [$39,000—1974] | 40,000                 | 40,000             |

**MALAYSIA**

| Agricultural and rural development         | (12,200)               |                    |
| Louisiana State University [$66,000—1971]  |                        |                    |
| **Development planning and management**     |                        |                    |
| Foundation-managed project: fellowships*    | 2,000                  | 2,000              |
| [$53,000—1974]                             |                        |                    |
| Malaysian Economic Association              |                        |                    |
| **Education and research**                 |                        |                    |
| Foundation-managed project: consultants,    | 1,899                  | 1,132              |
| and fellowships*                           |                        |                    |
| Malaysia, Government of [$35,000—1978]     | 4,000                  | 4,000              |
| Malaysia, Government of [$20,000—1978]     | 35,000                 | 20,000             |
| Sciences, University of [$120,000—1978]   | 59,000                 |                    |

**PAKISTAN**

| Agricultural and rural development         |                        |                    |
| Agricultural Development Council           | 125,000                |                    |
| Foundation-managed project: consultants    | 130,000                | 27,509             |

*List available on request.

universities, research, and the overseas training of several hundred Asian economists. The demand for well-trained personnel to serve in government and private institutions still continues to exceed supply, however. Several actions this year sought to alleviate this shortage and to encourage further research on development issues at both the national and provincial levels.

In Pakistan, funds were granted to the University of Karachi for research on such subjects as urban public finance and small-scale industry and to the Pakistan Institute of Development Economics for research and for training of provincial government planners. A recent administrative reorganization in Pakistan has placed major responsibility for planning and evaluation of development projects in the hands of provincial officers.

Other economic research organizations receiving support this year were the Bangladesh Institute of Development Studies (BIDS); the National Council of Applied Economic Research and the National Institute of Public Finance and Policy, both in India; the Centre for Economic Development and Administration in Nepal, and the National Research Council of Thailand. BIDS has conducted studies of the 1974 Bangladesh famine, of the performance of government-owned enterprises, and of employment and income in rural areas. The Nepal center conducts seminars for government officials on such subjects as consumer price trends and water resource management and is preparing a study of government transport policy.

The Foundation continued to assist Indonesia's efforts to decentralize administrative services by providing funds for research and training in regional development at provincial universities. The University of Mysore in southern India also received a grant for training of regional planners and for research on rural development.

The School of Economics and the College of Public Administration of the University of the Philippines train many of that country's government administrators and planners. They received grants for expansion of their academic programs. The School of Economics, one of the few institutions in Asia providing training in economics at the doctoral level, is planning to increase its entering class from forty to sixty students by 1980. A third of the students will be from other Asian countries. The College of Public Administration is developing a new program for training students in modern techniques of public policy analysis.

Terminal support was provided to the Management Foundation of East Java, which over the past five years has trained more than 2,000 public and private sector managers in such subjects as accounting, finance, marketing, and personnel.

Many of the more able Asian students of economics
and management continue to seek advanced training in Western countries. The Foundation has helped provide these opportunities through fellowships for master’s degree training at Harvard, Williams, and other U.S. institutions. This year funds went to Boston University for the training of Asian economists. Assistance was also provided for the training of Bangladesh civil servants in economics and management at various U.S. universities.

**Population.** The Foundation set aside funds for exploratory studies for a new international institute for the study of population, based at the Cholera Research Laboratory in Bangladesh. The institute would seek to develop improved methods for treating three problems afflicting poor countries—diarrheal disease, malnutrition, and high fertility. The cholera laboratory has developed an unusually complete system for monitoring the health status of 260,000 rural residents of Bangladesh, and its data would be integrated into the expanded research program. Funding for the new institute would come from an international consortium of donors.

For the past ten years the Foundation has been assisting Indonesia’s efforts to limit population growth through support of social science research, data analysis at the Central Bureau of Statistics, and projects in population education and communications. This year a grant went to the Population Institute of the University of Gadjah-Mada for training of faculty from provincial universities in research methods. The project seeks to improve understanding of cultural, religious, and economic influences on child-bearing. Other funds are supporting the training of village workers who distribute contraceptives and research on why urban women have been more reluctant to use contraceptives than rural women.

**Education.** Since most Asian countries lack the resources to meet ever increasing demands for education, the need for better educational policies and planning is acute. In Indonesia, funds were granted to the Ministry of Education and Culture for advisors to work with newly created provincial bureaus that are planning new schools and educational improvements. Another project supports training for Ministry of Education staff and innovations in university curriculum planning and management.

The Indian Institute of Education was granted $150,000 for library materials, for research and development of projects in nonformal education, and for a journal for teachers on successful educational innovations. India’s University Grants Commission received a grant to help strengthen university teaching and scholarship on other areas of the world through the
exchange of scholars between Indian and foreign universities and through acquisition of books. Support was also given for research, conferences, and overseas fellowships aimed at increasing knowledge of world problems among Indian scholars, professionals, and journalists.

**Social Sciences.** The Foundation supports research and training in the social sciences in the belief that they can contribute to a deeper understanding of forces contributing to national development. Assistance has gone to social science research councils in several Asian countries for training in social science methodology and for developing communication among scholars throughout the region.

This year the Korean Social Science Research Council received support for a major examination of Japanese colonial policies in Korea from 1910 to 1945. The project will draw upon the extensive documentary sources in Korea and Japan and on the memories of living participants.

In Southeast Asia, the Foundation’s main vehicle for supporting the training of social scientists has been the Southeast Asia Fellowship Program, which since 1968 has awarded more than 125 fellowships to younger faculty in anthropology, history, language, political science, and sociology. A grant this year to the Institute of Southeast Asian Studies in Singapore will continue the program with a somewhat altered focus: awards will be made for cross-cultural research in three areas—history, governance and administration, and changing world views and values.

Other grants were made to associations of social scientists in Thailand, the Philippines, and Indonesia for research, training, and other scholarly activities. In the Philippines, the Ateneo de Manila University received a grant for graduate training in anthropology and sociology, and in Indonesia funds were provided for village-level research and for graduate training in the social sciences.

**Asian Studies.** The Foundation’s planned reduction of support for Asian studies in the United States was largely completed this year. For nearly twenty-five years the Foundation was the principal source of support for scholarly research on Asia. This year a terminal grant went to the Association for Asian Studies for support of area councils dealing with parts of Asia and for preparation of a bibliography of Asian research. Also, the University of Pennsylvania received a $400,000 endowment grant for its South Asia Regional Studies Program, joining seven other key university area study centers that received similar grants in 1975. Funds also were granted to the American Council of Learned Societies...
(ACLS) for its Committee on the Study of Chinese Civilization and for postdoctoral research on pre-1911 Chinese civilization. Future Foundation support for Asian studies in this country will be mainly confined to the research awards programs administered by ACLS and the Social Science Research Council.

Despite Japan’s huge economic growth in the postwar period, the participation of its scholars in the international community remains limited. To help Japan’s scholarly community broaden its exposure to the world, funds were granted to the Japanese Society for Asian Studies. Asian studies specialists from other countries will be invited to teach in Japan, and Japanese scholars and students will work at Asian studies centers abroad.

Since 1970 the Foundation has supported efforts to preserve Asia’s rich cultural and artistic tradition. This year the University of Pennsylvania received a grant for graduate training of archeologists from Southeast Asia. Students will spend two years at the Pennsylvania’s University Museum, one of the leading research centers on Southeast Asian pre-history, followed by field research at archeological sites in Asia.

**LATIN AMERICA AND THE CARIBBEAN**

**Social Sciences.** A major emphasis of the Foundation in Latin America has been to assist the creation of a community of scholars able to use the tools of modern social science in analyzing major social and developmental problems. Several hundred scholars have received advanced training in anthropology, economics, political science, and sociology. In countries where the social science community has been able to work in relative freedom, Foundation grants are supporting independent and critical analyses of major questions of public policy. In countries where the tradition of open inquiry is fragile, grants have been aimed at keeping scholars productively at work, often in new institutional settings free of the political interference to which several universities have fallen prey.

This year, grants totaling $390,000 went to the Latin American Social Science Council for three programs: assistance to Argentine scholars who have been removed from their academic posts for political reasons; individual research awards for social scientists from the Southern Cone (Argentina, Chile, and Uruguay); and support of study groups working on problems of regional concern. The council fosters research across national boundaries. Its research awards program has helped more than fifty scholars conduct studies on economic, agricultural, and labor policies and other subjects.

The Foundation continued to assist a small group of
### Grants and Projects

<table>
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<tr>
<th>Country</th>
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<th>Approval Amount</th>
<th>Payment Amount</th>
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<td>Foundation Center for Research and Social Action</td>
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<td>Latin American Social Science Council</td>
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<td>Torcuato di Tella Institute</td>
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**Brazil**

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<td>Brazilian Association for Population Studies</td>
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<td>Campinas, State University</td>
<td>$350,000 (1976)</td>
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<td>Ceará, Federal University</td>
<td>$350,000 (1976)</td>
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<td>Civil Society for Family Welfare in Brazil</td>
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<td>Para, Federal University</td>
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<td>Rio de Janeiro, Federal University</td>
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<td>Rio de Janeiro University Institute of Research</td>
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<td>1,576</td>
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</tbody>
</table>

*List available on request.

Independent institutions in the Southern Cone where social scientists who have lost their academic posts can continue to study the realities of their countries and region. Recipients were the Center for Economic Research in Uruguay, which is examining the decline of Uruguay’s once prosperous economy; the Center of Information and Studies of Uruguay, which is focusing on Uruguay’s social, political, and demographic problems, and the Center for Urban and Regional Studies in Argentina.

Foundation support for strengthening the social sciences in Brazil has totaled some $8 million since the early 1960s. This year funds were granted to help establish doctoral programs in social anthropology at the Federal University of Rio de Janeiro and the University of Brasilia. The programs enroll some 100 students and stress research on neglected segments of Brazilian society, particularly slum dwellers and the Amazonian Indians.

Graduate programs in anthropology, political science, and economics at the Pontifical Catholic University of Ecuador and in political science and economics at the University of the Andes in Colombia were also assisted. A terminal grant went to the Central American Higher Education Council for a regional training program for sociologists. Based at the University of Costa Rica, the program trains students in theory and methods of social analysis.

**Education and Research.** Support was continued for a network of ten educational research centers, that study educational problems and needs in the region. Ten such centers now exist. They are producing a significant body of research on educational issues, and have begun to develop new curricula adapted specifically to the Latin American setting.

In Chile, for example, grants went to the Center for Educational Research and Development, a Jesuit-led institution specializing in educational programs for the poor, and to the Interdisciplinary Program for Educational Research, a group formerly affiliated with the Catholic University. Their projects include the development of a basic mathematics curriculum for adults, a program to teach low-income parents how to stimulate the cognitive development of their children, and studies of academic achievement, university dropouts, and the impact of educational television.

The Center of Educational Research in Argentina received a grant for research that emphasizes the sociology and history of Argentine education. And in Brazil, grants went to the Federal University of Minas Gerais for a master's degree program in educational research and to the Carlos Chagas Foundation for a
research competition for social scientists on the subject of education and employment of women.

Since 1970 the Foundation has assisted research and training in nutrition and its effects on infant mortality, early childhood health and learning, and labor productivity. In Brazil, for example, the Foundation has assisted graduate training abroad in nutrition for young Brazilians and a survey of malnutrition among 500 preschool children in São Paulo. A grant this year is supporting three-month courses in nutrition for personnel in nutrition-related public and private agencies, sponsored by the University of São Paulo and the Paulista School of Medicine.

The Human Ecology Research Foundation in Colombia, a group of psychologists, nutritionists, and medical doctors, is completing a four-year study to determine the effects of malnutrition on the cognitive, physical, and emotional development of preschool children from slum areas. The study has demonstrated that while poor nutrition has adversely affected the children's development, a program of nutritional supplements and preschool training can produce significant advances in ability. Support was provided this year for final analysis and publication of the data and for a capital fund for continuing research.

The National Nutrition Center of the Ministry of Health in Barbados received a grant for a study that will measure and classify patterns of brain dysfunction in children with a history of nutritional and health deficiencies. The study will make use of new computer-based methods that determine precisely the severity and location of brain impairment and indicate the likely behavioral consequences.

**Agriculture.** The three international agricultural research centers in Latin America continued to receive Foundation support. The International Maize and Wheat Improvement Center in Mexico has been responsible for the development and dissemination of high-yielding, dwarf Mexican wheats, which are now grown on more than a third of all crop land given over to wheat in the less-developed world. The center has also been developing improved varieties of corn, which have higher yield, shorter growing periods, and greater adaptability to diverse ecological conditions.

The International Center of Tropical Agriculture (CIAT) in Colombia is working with agricultural scientists especially in Brazil, Colombia, Venezuela, and Bolivia to develop improved methods of beef production on the vast, underused savannas of the lowland tropics. Work focuses on upgrading the quality of forage, a key constraint on animal health and productivity. CIAT has also been working to increase the

<table>
<thead>
<tr>
<th>Grants and Projects</th>
<th>Approvals (Productions)</th>
<th>Payments (Refunds)</th>
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<td>Caribbean Agro-Economic Society</td>
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*List available on request.*
yields and disease-resistance of beans and cassava, two important crops in the diet of Latin Americans.

The International Potato Center (CIP) in Peru has previously received Foundation support for the training of potato specialists and outreach activities in several countries. This year funds were granted for a program to test a new method for producing disease-free potato seed and for development of a commercial seed distribution system in Colombia and Ecuador. Potatoes, the primary food crop for many poor Andean farmers, are highly susceptible to disease. CIP researchers are working on a method of propagation that makes use of cuttings from disease-free plants rather than sections of the potato itself.

Besides supporting research on improved agricultural production, the Foundation assists work in the rural social sciences aimed at identifying social, economic, and political constraints that help to keep the large majority of Latin American farmers in extreme poverty. This year continued support was provided for research awards to Mexican and Central American specialists on rural development and for the research by four Argentine agricultural economists, now in Colombia, on technological innovation and adaptation in agriculture.

**Population.** For fifteen years the Foundation has supported population programs in Latin America, assisting in graduate training, in the study of the relation between population growth and social and economic development, and in research on reproductive biology. During that period, opinion on the significance of population growth and family planning has changed significantly. Many countries now endorse efforts to make family-planning information and services more widely available. Within the last few years, the governments of the region's two largest countries, Mexico and Brazil, have initiated national family-planning activities. The related social problems arising from rapid rural to urban migration have also received increasing attention.

The Foundation this year assisted activities aimed at strengthening family-planning programs and assisting analysis of fertility, migration, and other population-related questions. Brazil's Civil Society for Family Welfare, a private group that operates eighty family-planning clinics, received support for research, evaluation, and information dissemination. The organization has recently been experimenting with a community-based program for distributing contraceptives.

Since 1970 the Foundation has provided support for a fellowship program that has enabled some thirty-five Brazilians to pursue doctoral studies in demography
and for a national research competition on population-related issues. This year funds were granted to help establish a Brazilian Association for Population Studies to better communications in the field and to assist graduate studies in demography at the Universities of São Paulo and Brasilia.

In the Andean region, support was continued for a Colombian program to test models for the delivery of low-cost family-planning services through existing maternal and child health services and for research and training on population matters in Peru, Bolivia, and Ecuador.

**MIDDLE EAST AND AFRICA**

**Education and Social Science Research.** Faced with urgent demands to provide mass education to largely illiterate populations, many African nations have been searching for approaches to education that are better adapted to current realities than the Western-style school systems inherited from the colonial past. Among the innovations being tested in Africa are vernacular education (the teaching of students in their native language, rather than a foreign tongue) and distance education (a system that combines correspondence courses, broadcasts, and occasional face-to-face instruction). The Foundation assists these efforts through support of training aimed at improving understanding of the educational process and of research that assesses the effectiveness of the new approaches.

The Tanzanian government this year was granted funds, for example, for the training of Ministry of Education staff in techniques of educational research and evaluation and for an assessment of plans to double the number of primary school teachers. One of the most innovative African states in its approach to education, Tanzania has decreed universal primary education, undertaken a massive adult literacy program, and closely tied university education to the country’s manpower needs.

In West Africa, the Foundation set aside $360,000 for graduate training of educational researchers and for studies of educational policy and assessment. Among the educational issues that will be examined through research and workshops are teacher effectiveness, the contribution of education to development and modernization, and the social and economic determinants of educational success. Funds also went for staff training and research at Zaire’s Center for Interdisciplinary Research for Educational Development, which is affiliated with the National University.

During the 1960s the Foundation provided substantial support to the major African universities for the training of faculty and strengthening of academic

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*List available on request.*
programs. This effort has now been concluded for all but a few institutions. One such is the University of Dar es Salaam in Tanzania, where the Foundation continues to support the training of faculty at the master's and doctoral level. Tanzanians now make up 45 per cent of the faculty, as opposed to 30 per cent five years ago. The university also received funds for graduate fellowships for women, who have had limited opportunities for advanced study. The program aims at qualifying women for high-level positions in the Tanzanian government.

Political unrest in Uganda and Ethiopia has forced many teachers to flee to nearby countries. Academic appointments at other East African universities have been available to only a few of them, however, and to increase that number the Foundation provided a grant to the University of Nairobi.

Support was continued for several research awards programs for social scientists. East Africa, funds were set aside for individual research, workshops, and training of undergraduates to promote a deeper understanding of the economic, social, and political changes taking place in the region. The Social Science Research Council in the United States received a total of $675,821 for a variety of scholarly activities, including research by North American scholars on African and Middle Eastern affairs and conferences of African and Middle Eastern scholars. A Council of Southern Universities program to enable black American scholars to conduct field research in Africa and the Middle East also received continued support.

For twenty-five years the Foundation has supported a research awards program for Israeli scholars conducted by the Israel Foundations Trustees (IFT). Originally concerned with scientific and technological research, IFT now emphasizes studies by social scientists on such topics as integration of national minorities into Israeli society, development of human resources, politics in the Middle East, urbanization, and environmental problems. A $300,000 grant this year continued support for the program.

Two collaborative research projects on issues of major regional significance were assisted. One, involving scholars from the University of California (Los Angeles) and from various Arab institutions, will examine the political, social, and economic ramifications of an expanded economic aid program for Egypt financed by the Arab oil states. In the other project, a team of scholars from Northwestern University and the University of Nairobi will assess the ways in which the Kenyan rural population has coped with famine, drought, and ecological stress.

Support was continued for a variety of language
development activities in the Middle East, including consulting services for a language survey in the Sudan and research in language-related learning problems.

**Agricultural Development.** Agriculture employs a majority of the population and is the major earner of foreign exchange in virtually all East African countries. Yet food supplies are precarious because of low crop yields, scarcity of fertilizers and other agricultural aids, the use of land for non-food crops, and periodic droughts.

The Foundation this year began an expanded program of assistance to accelerate East African agricultural development. The program is focused on training in the rural social sciences, but it also seeks to increase communication between national research programs and the international food research centers. Funds were set aside for the overseas training of faculty at the Universities of Dar es Salaam and Nairobi in agricultural economics. Both universities have depended heavily on expatriate faculty in the past. The Foundation is also supporting the training of East African agricultural scientists at the international food research centers in Nigeria, Mexico, India, Colombia, and Peru.

In West Africa, continued assistance went to Ahmadu Bello University in northern Nigeria for research, fellowships, and development of postgraduate programs in agricultural economics and rural sociology. The university’s rural research has made an important contribution to the understanding of the technological characteristics of peasant agriculture. Its village studies and its examination of government policies are aimed at devising ways in which peasant farmers might be induced to increase productivity.

Foundation assistance for research on new agricultural technologies is given mainly through two international centers that serve the Middle East and Africa—the International Institute of Tropical Agriculture (IITA) in Nigeria and the International Center for Agricultural Research in Dry Areas (ICARDA), which operates mainly in Lebanon, Syria, and Iran. Grants this year provided support for the operating costs of both institutions. In addition, the International Maize and Wheat Improvement Center in Mexico assists in research and training to improve production of wheat and barley in Tunisia and Algeria.

IITA is developing farming systems that permit more intensive use of the fragile soils of the lowland tropics. It has developed a system of “zero tillage,” which eliminates the need for fallow periods while at the same time reducing disease and insect problems. The newest of the international institutes, ICARDA is the world center for research on barley, lentils, and broad beans. It will serve an ecological zone that covers most of North Africa and the Middle East, including Afghanistan, Pakistan, and part of the Sudan.

Funds were also provided to meet the final costs of the Arid Lands Development Program, a ten-year effort, now absorbed by ICARDA, to increase the production of cereal, legume, and fodder crops throughout the Middle East and North Africa, and for completion of a survey of agricultural research needs in the Sudan.

**Development Planning and Management.** In an effort to stimulate its stagnant economy, Egypt in the early 1970s adopted an open-door policy for foreign private investment under which bureaucratic controls over the economy were relaxed. To help Egypt implement this new approach to economic management, the Foundation for the past three years has provided funds for consultants to assist the government in analyzing and negotiating foreign investment projects. The consultants have also conducted in-service training for government personnel, organized workshops on legal and economic issues, and prepared a guide for foreign investors. The project received supplementary funding this year and will add a consultant on the legal aspects of foreign investment. A related grant went to the American University in Cairo to plan workshops for Egyptian government officials on management practices.

Additional funding was also provided for a team of consultants who have been advising the government of Botswana on economic planning, education, and agricultural and mineral resource development since 1970. In the Sudan, a grant was made to the University of Khartoum for the analysis of the country’s system of customary law, which governs land tenure patterns and therefore has an important bearing on the country’s plans to develop its natural resources. Funds also were set aside for consulting services to assist Bahrain and other states in the Persian Gulf region improve their administrative systems and the planning of their development programs.

For research, conferences, and other activities connected with the training of prospective public officials for Namibia (South West Africa), a grant went to the United Nations Institute for Namibia. Supported by member governments of the United Nations, including the United States, the institute last year began training Namibian students to staff the civil service in anticipation of Namibia’s gaining independence from South Africa.

**Population.** Maternal and child health programs, through which family-planning services are also offered, have been assisted for several years in West Africa.
Human rights
International Committee of the Red Cross (Geneva) 250,000 250,000
Lawyers’ Committee for Civil Rights Under Law (Washington, D.C.) 100,000 98,750

Staff development of South Africa’s black universities
Foundation-managed project: fellowships* [$20,000—1976] 125,000 170,115

WEST AFRICA

Agricultural and rural development
Ahmadu Bello University (Nigeria) 130,000 66,764
Benin, National University of [$80,000—1975] 9,961
Higher National School of Agronomy (Ivory Coast) [$90,000—1976] 24,521
Ibadan, University of (Nigeria) [$140,000—1976] 49,012
Iks, University of (Nigeria) [$100,000—1976] 23,000
International institute of Tropical Agriculture (Nigeria) [$100,000—1976] 522,500 693,500
Kansas State University 50,000 23,030
Pan African Institute for Development (Geneva) [$120,000—1976] 120,000

Arts and culture
Foundation-managed project: Okike, An African Journal of New Writing 75,000 25,000
Ghana, University of [$10,000—1976] 10,000

Economic and social science research and training
African University of (Ivory Coast) [$100,000—1976] 39,579

*List available on request.

A representative of the International Committee of the Red Cross interviews a political prisoner in Chile. The ICRC has received Foundation grants to upgrade the training of field delegates who check on the conditions of political prisoners and to develop an expanded program to monitor human rights performance in Southern Africa. A stepped-up program in human rights has been launched by the Foundation in response to the growing instances of political repression throughout the world.

This year a grant to the National University of Benin provided support for the training of health center personnel in six French-speaking West African countries in the organization and management of family health care activities at the community level. In addition, a grant to Johns Hopkins University will continue the services of consultants who have been advising the Institute of Child Health of the University of Lagos on its maternal and child health care programs.

To encourage more research by social scientists in Eastern and Southern Africa on population-related issues, the Foundation provided funds for a regional competition that will be run in conjunction with the Ford Foundation-Rockefeller Foundation population research awards program (see page 46). A grant also
went to the Population Council to station a regional representative in Jordan to advise on population research and training activities.

**South Africa.** Against a backdrop of mounting racial tension and uncertainty, the Foundation has assisted a limited set of activities to encourage educational opportunities for black South Africans and other minorities, protection of human rights, and research into the highly charged issues that are facing South Africa.

This year, for example, the International Committee of the Red Cross received a $250,000 grant to set up an office in South Africa that will assess the condition of political prisoners, monitor violations of human rights, and provide relief to the innocent victims of political violence. The Lawyers’ Committee for Civil Rights Under Law, an American group, received continued support for its Southern African Project, an effort to assure that black leaders prosecuted under South Africa’s security laws are represented by counsel. The committee has also initiated litigation in the United States in cases involving the importation of South African commodities and the export to South Africa of nuclear fuel.

Supplementary support was also given for a program initiated two years ago to provide graduate study opportunities abroad for junior faculty at South Africa’s five black African, colored, and Indian universities. The program is aimed at improving teaching and research at these universities and at qualifying Africans for academic leadership.

**POPULATION**

In addition to supporting population-related activities in the poorer countries (see pages 34, 39, and 42), the Foundation assists programs throughout the world aimed at developing more effective contraceptive products and fostering scholarly research on population-related issues. Support is also given for research and training in population communications and education, for improving the management of family-planning programs, and for studies of public policy in the United States relating to fertility, health, and social welfare.

The Population Council, which has received Foundation assistance since 1954, was granted $1.75 million for work in three main areas:

- studies of the impact of birth rates, migrations, and other demographic processes on social and economic development;
- biomedical research relating to new methods of contraception, sterilization, and abortion;
- technical assistance to less-developed countries on

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<td>Zaire, National University of</td>
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<td>Yaounde, University of</td>
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| MIDDLE EAST
| Agricultural and rural development | 93,456 | 18,166 |
| Egyptian Government of | 12,800 | 11,520 |
| Egyptian Family Planning Association | 77,255 | 282,059 |
| Institute of Cultural Affairs (Egypt) | 7,500 | 7,500 |
| International Bank for Reconstruction and Development | 50,000 | 55,000 |
| Stanford University, $150,000—1975 | 62,000 | 62,000 |
| Sudan, Government of | 99,845 | 99,845 |
| Development planning and management | 126,730 | 51,666 |
| American University in Cairo (Egypt) | 7,620 | 53,120 |
| Harvard University | 26,250 | 4,000 |
| Khartoum University | 135,000 | 57,543 |
| Sudan, Government of | 10,700 | 10,600 |
| Education and research | 1,390 | 141,990 |
| Australian University of Sydney | 25,000 | 25,000 |
| American University in Cairo | 25,000 | 25,000 |
| American University of Beirut | 25,000 | 25,000 |
| Berkeley University | 37,500 | 37,500 |

*List available on request.*
setting up family-planning and population studies programs.

**Contraceptive Development.** Twenty-four medical schools and research institutions, mainly in North America and Europe, received grants totaling about $1.6 million for research and training in the reproductive sciences relevant to contraceptive development. Recipients were selected by an international advisory committee from among fifty-three applicants. A number of the projects reflect the growing interest of reproductive scientists in developing new drugs for male fertility control. Other studies dealt with the safety of oral contraceptives, immunological methods for interfering with embryo implantation, and the development of a female contraceptive vaccine.

A $750,000 grant continued support for the International Committee for Contraception Research (ICCR), organized by the Population Council in 1971 to identify and test new approaches to fertility control. Working through scientific groups around the world, ICCR is sponsoring studies of the possible side effects of the copper-releasing intrauterine device, an important new contraceptive for women, and of the effectiveness of the contraceptive vaccine, an intravaginal contraceptive ring, and drugs for men that suppress sperm formation. It has also licensed private manufacturers to produce certain contraceptives at low cost for publicly supported family-planning programs in return for rights to sales in the private sector.

The Program for the Introduction and Adaptation of Contraceptive Technology (PIACT), which also received supplementary support, seeks to promote fertility regulation by modifying contraceptive products to make them more acceptable to people of varying cultural and socioeconomic characteristics. Among the projects it has initiated are a pilot facility in Mexico for the manufacture of drug-releasing vaginal contraceptive devices; the testing of a new intravaginal contraceptive sponge in India, Mexico, and Egypt; a simple surgical device for vasectomies, and the design of materials to instruct illiterates in the correct use of oral contraceptives.

Additional funds were provided for activities to follow up a major review of the state of reproductive and contraceptive knowledge commissioned by the Foundation in 1973. Two volumes have been published,* and additional work will be undertaken to provide more current information on the field’s funding levels, personnel, institutional resources, and research

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<table>
<thead>
<tr>
<th>GRANTS AND PROJECTS</th>
<th>Approvals</th>
<th>Payments</th>
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<tr>
<td>California, University of (Los Angeles)</td>
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<tr>
<td>Cambridge, University of</td>
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<tr>
<td>Case Western Reserve University [313,900—1972]</td>
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emphasis. Studies on the need for additional reproductive scientists will also be undertaken.

**Population Studies, Communications, and Program Management.** For research and dissemination of information on public policy in the United States relating to population, fertility, and abortion, the Foundation granted $1 million to the Alan Guttmacher Institute, which is affiliated with the Planned Parenthood Federation of America. The institute seeks to insure that all segments of the population, particularly the disadvantaged, have knowledge of and access to means of regulating fertility. It also interprets research in the social, medical, and biological sciences and relates it to public policy. A series of studies are planned dealing with the availability of fertility control services for teenagers, the extent to which the nation's schools provide education about sex and reproduction, and the impact of contraceptive and abortion services on teenage pregnancy and illegitimacy rates.

A grant of $360,000 went to the University of Michigan’s Population Studies Center, one of the leading centers in the study of population dynamics in developing countries. Supported by the Foundation since 1964, the center has trained many of the world’s prominent demographers and social scientists concerned with population. Its research has focused on the impact of population policies in several Asian countries, notably Taiwan, and it has developed a method for isolating the effect of the family-planning program in Taiwan on population change from such contributory factors as rising levels of income and education.

A seventh round of research awards on issues relevant to population policy was funded. Jointly sponsored with the Rockefeller Foundation, the program awarded thirty-one grants for scholarly research in the most recent competition, fourteen of them to investigators in less-developed countries. Among the research topics are the effects of family-planning practice on health in rural Korea, the causes and consequences of rural to urban migration in Colombia, and the relation of employment to fertility behavior in married Filipino women.

Support was continued for the International Committee on the Management of Population Programs (ICOMP) and for advisory services in population communications and program management. ICOMP is an association of managers of population programs and leaders of management training institutes in developing countries. It seeks to improve the efficiency of family-planning services through training, research, and other activities. In population communications the Foundation has made grants to assist the training
of communications personnel, to promote in-school population education, and to prepare family-planning publications and other materials.

**DEVELOPMENT STUDIES**

The Foundation also supports activities, mainly in the more advanced countries, that relate to problems of nutrition, education, and development in poor countries. This year, for example, a grant of $230,000 continued support for the International Food Policy Research Institute (IFPRI) in Washington, D.C., which was established in 1975 to help identify opportunities for increasing world food production. IFPRI publishes an objective annual review of world food production and requirements and undertakes studies on such topics as water development policies, the need for investment to close the food gap in poor countries, world agricultural trade, and factors limiting the ability of developing countries to import food.

The United Nations Educational, Scientific, and Cultural Organization received a grant for support of the International Educational Reporting Service (IERS), a Geneva-based organization that provides information to educators in less-developed countries on educational innovations. IERS publishes a bimonthly newsletter, case studies of successful educational experiments, and a bibliographic guide to educational literature. The American Council on Education also received continued support for its International Education Project, which seeks to inform the development of public policy regarding the American academic community's international activities, such as area studies and scholarly exchanges.

Funds were set aside for the continued development of programs dealing with the needs and aspirations of women in poor countries. The Foundation's overseas offices are assisting several projects aimed at enhancing women's participation in the social and economic development of their countries (see pages 32 and 41). In addition, research has been supported on such topics as women's access to education, sex role socialization, and women's opportunities for supplementing family income.

Support was continued for the research, publications, and conference programs of the Overseas Development Council, an important source of information in the United States on the problems of the poorer countries and their relation to the industrialized world. The International Executive Service Corps received a grant for a study of its experience in transferring managerial and technical skills to business enterprises in less-developed countries by sending experienced American executives on short-term consulting assignments.
INTERNATIONAL AFFAIRS AND WORLD PROBLEMS

Human Rights and Intellectual Freedom. Instances of political repression and curbs on expression of ideas have been multiplying throughout the world. In response, the Foundation has supported research and made grants to nongovernmental organizations active in the field of human rights. Grants were made to three such groups this year. Support went as well to organizations that assist scholars and intellectuals whose work has been disrupted by political events in their countries.

The American Association for the International Commission of Jurists in Geneva received a grant of $155,000 for activities to promote improved international standards of justice. The commission, whose membership includes judges, lawyers, and legal scholars, publishes studies on violations of rights in specific countries and a semi-annual review on the rule of law and human rights, sends observers to major political trials, and consults with international organizations on proposals for improved protection of human rights.

The American Society of International Law received support for panels that are analyzing steps that might be taken to implement various international human rights covenants, including those adopted by the United Nations and the Helsinki accords dealing with rights to travel and the free flow of information between East and West.

A supplementary grant went to the Minority Rights Group, a London-based organization that publishes journalistic reports on abuses suffered by ethnic, religious, and cultural minorities throughout the world. Supplementary funds were also granted to the International Association for Cultural Freedom in Paris for assistance to refugee scholars and intellectuals and for programs in defense of intellectual freedom, and to the American Council for Emigres in the Professions, which helps Soviet refugee scholars and intellectuals find employment in this country. The Chekhov Publishing Corporation received a grant for publication, through its subsidiary Kronika Press, of materials dealing with human rights in the Soviet Union.

International Security and Arms Control. For more than twenty years the Foundation has been engaged in efforts to promote world peace through better understanding of ways to resolve conflict without resort to military force. Funds have supported scholarly research and training to increase the depth of public analysis of arms control, international security issues, and alternative approaches to domestic defense policy.
GRANTS AND PROJECTS

<table>
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<tr>
<th>Approvals</th>
<th>Payments</th>
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<tbody>
<tr>
<td>(In thousands)</td>
<td>(In thousands)</td>
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<tr>
<td>Economic Institute of Paris [13,000—1976]</td>
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<td>Foundation-managed project: research awards,* and consultants [402,000—1976]</td>
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<td>Institute for Foreign Policy Evaluation</td>
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<td>International Economic Association (Paris) [365,000—1976]</td>
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<td>Louvain, Catholic University of (Belgium)</td>
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<td>Michigan State University</td>
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<td>Minnesota, University of [20,000—1975]</td>
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<td>New York University [145,720—1976]</td>
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<tr>
<td>Wisconsin, University of</td>
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International law and legal studies

American Society of International Law | 176,000 | 50,000 |
International Legal Center (565,000—1976) | 328,000 | 328,000 |
McGill University [140,000—1976] | 25,000 | 25,000 |

International relations and foreign policy: research and communications

Atlantic Institute for International Affairs (Paris) [250,000—1974] | 18,750 | 18,750 |
British International Studies Association (12,500—1976) | 12,500 | 12,500 |
Chicago, University of [20,191—1976] | 20,191 | 20,191 |
Council on Foreign Relations [400,000—1976] | 185,000 | 185,000 |
Foundation-managed project: fellowships* | 180,000 | 180,000 |
Georgetown University | 25,000 | 25,000 |
International Institute of Communications (London) [565,000—1976] | 295,500 | 295,500 |
International Press Institute (Zurich) [150,000—1967] | 41,600 | 41,600 |
Institute for Peace Studies (Washington, D.C.) | 75,000 | 40,000 |
Institute for the Study of International Affairs | 75,000 | 75,000 |
Institute for the Study of International Relations | 120,000 | 50,000 |
United Nations Association (U.S.A.) | 45,000 | 45,000 |

International studies programs, research, and conferences

Denver, University of [100,000—1972] | 7,500 | 7,500 |
Foundation-managed project: review of international studies [95,000—1974] | 21,070 | 21,070 |
Harvard University [150,000—1973] | 19,693 | 19,693 |
International Social Science Council (Paris) [13,000—1976] | 7,000 | 7,000 |
Yale University [50,000—1976] | 240,000 | 240,000 |
Zagreb, University of (Yugoslavia) [50,000—1976] | 2,000 | 2,000 |

Problems common to industrial societies

California, University of (Davis) [140,000—1976] | 19,000 | 19,000 |
Clark University [100,000—1974] | 33,720 | 33,720 |
Columbia University [100,000—1976] | 50,000 | 50,000 |
Council for International Urban Liaison | 72,500 | 72,500 |
European University Institute (Florence) [30,000—1976] | 34,000 | 34,000 |
Florida, University of [50,000—1976] | 25,000 | 25,000 |
Louisiana State University [100,000—1974] | 49,719 | 49,719 |
Louisiana, Catholic University (Belgium) [80,000—1976] | 27,500 | 27,500 |
McGill University | 80,000 | 80,000 |
Montreal, University of [50,000—1973] | 10,000 | 10,000 |
New School for Social Research [575,000—1976] | 5,000 | 5,000 |

*List available on request.

This year a grant of $4 million to Harvard University provided a permanent endowment for the Center for Science and International Affairs, a key scholarly institution in the arms control field. The center has trained many of the academic specialists in the field and conducted research on such subjects as the U.S.-Soviet strategic weapons balance, U.S. weapons and defense policies, and the proliferation of nuclear weapons. The center has also provided short-term training for journalists who write on defense issues and publishes International Security, a leading journal in the field.

The Center for International Studies at the Massachusetts Institute of Technology, which also received supplementary funding, conducts an allied research and training program. MIT provides training at the master’s degree level in arms control and defense studies for students who later go to work for government or private defense-related research institutes. MIT research has focused on the future of the international nuclear energy industry, alternative sources of energy, Canadian-American energy policy, nuclear reactor safety, and the arms control implications of recombinant DNA research.

The Brookings Institution received a $225,000 grant for a research program entitled “Prospects for Conflict and Threats to International Security by the Year 2000.” The project will examine the possibility of nuclear war, areas of possible regional conflict, East-West relations, and the implications of threats to security for U.S. military forces.

International Economic Research. Disturbances in the world economy, including rising oil and commodity prices, worldwide recession, and the continued mal-distribution of wealth between rich and poor nations, have highlighted the need for more sharply focused research to help policy makers deal effectively with these problems. The Foundation initiated a special program for such research in 1974, and this year grants were awarded for eight projects. The studies will deal with topics ranging from techniques for testing the efficiency of foreign exchange markets to the impact of multilateral textile agreements on national development.

Grants also went to the National Bureau of Economic Research for completion of a major study by economists Milton Friedman and Anna Schwartz of changes in the money supply over the last century in the United States and Great Britain and their effect on income, prices, and interest rates, and to Princeton University and the University of Pennsylvania for conferences on the current system of flexible currency exchange rates and on stabilizing world commodity markets.

The Organization for Economic Co-operation and
Development received a grant to support participation from the less-developed countries in a research project dealing with future growth of the advanced industrial countries in relation to the Third World. Funds also went to the Interreligious Peace Colloquium for meetings and other activities aimed at developing a consensus among the world's five major religious faiths on promoting a more equitable world economic system.

**European and Canadian Affairs.** One of the most searing conflicts in recent years is the state of virtual civil war existing in Northern Ireland. To help Irish scholars contribute insights into the nature of this conflict, the Foundation in 1973 provided funds, through Queen's University in Belfast, to a committee of scholars from both Northern Ireland and the Irish Republic. A $150,000 supplementary grant was made this year for individual and joint research on Irish political, economic, and social problems, as well as for fellowships to enable younger teachers to study abroad. The committee has surveyed public attitudes about the conflict and their implications for public policy.

Preliminary funds were made available for the first of a series of meetings of European governmental and academic leaders to discuss the possible formation of an independent, nongovernmental institute that would conduct research on European public policy issues.

Indiana University received a terminal grant for research and teaching centered around contemporary problems of Eastern Europe and East-West economic and political relations. One of the major East European study centers in this country, Indiana will conduct research seminars on Eastern Europe's evolving relations with the West, the transfer of technology between East and West, and East European relations with the Soviet Union.

For research on the French-speaking Cajuns of Louisiana, a group whose ancestors were expelled from Acadia (now Nova Scotia) during the eighteenth century, a grant went to McGill University in Canada. Researchers are tracing the group's linguistic, racial, economic, and cultural evolution in the United States and its relations with French-speaking peoples in Canada and Europe.

A terminal grant of $120,000 went to the Trilateral Commission, a group of some 200 business and professional leaders from the United States, Western Europe, and Japan that was formed in 1973 to examine major world problems. A supplement was also granted for support of a Council on Foreign Relations fellowship program that enables young faculty members and government officials to spend a year in research and writing on international issues.
GRANTS AND PROJECTS—PUBLIC POLICY AND SOCIAL ORGANIZATION: The "Approvals" column shows grants and Foundation-managed projects approved in 1977. The "Payments" column shows payments on grants and Foundation-managed projects that were approved in 1977 or in earlier years. Brackets show the original approval amount of earlier grants and Foundation-managed projects from which 1977 payments were made or refunds applied. (Note that a number of earlier grants and projects that still have unpaid balances are not shown because no payments or refunds occurred this year.)

GRADUATE TRAINING

Graduate centers
California, University of (Berkeley) [520,000—1977] (512) $90,338
Cornell-Mellon University [820,000—1976-77] 169,495
Duke University [810,000—1976] 40,000
Michigan University [825,000—1973] 100,000 154,937
Rutgers University [810,000—1976] 37,000
Stanford University [810,000—1976] 42,000
Texas, University of (Austin) [810,000—1976] 40,000

Teaching materials
Boston University 15,000 15,000
University of Chicago and the Rand Corporation [8150,000—1976] 46,074

CENTERS FOR POLICY ANALYSIS AND CONSULTATION

Brookings Institution "Setting National Priorities" series 200,000 84,000
Howard University Research program of the Joint Center for Political Studies [8190,500—1975] 45,250
National Academy of Sciences Assembly of Behavioral and Social Sciences [820,000—1976] 30,000
Public Interest research and consultation
National Association of Accountants for the Public Interest 150,000 76,250
Public Interest Economics Foundation 100,000 87,726

SUBJECTS OF CONTINUING INTEREST

Duke University Analyses of policies for controlling distribution of hand guns 76,000
Economics and public finances
Center for Economic Studies (Palo Alto, Calif.) 50,000 50,000
National Committee for Full Employment 45,000 45,000
Tax Analysts and Advocates [870,000—1976] 45,000
Foundation-managed project
Book on computers and the development of environmental policy 40,350 40,350
Harvard University
The family in contemporary society 38,000 15,000
Consensus and disagreement in America [860,000—1976] 26,650
The military and higher education 38,000
National Academy of Sciences Forum on research with recombinant DNA 10,000 10,000
Notre Dame, University of Study of Vietnam-era military offenders [8225,000—1976] 52,500
Policy issues affecting blacks
Atlanta University Center (for "Black Economic Review") 24,000 6,000
Black Economic Research Center [8275,000—1975] (55,000) 32,747
Policy issues affecting women
Brookings Institution [825,000—1976] 25,000
Urban Institute [830,000—1975] 78,993

Public Policy and Social Organization

For the past five years the Committee on Public Policy and Social Organization has supported advanced professional training for public service, analyses of broad public policies and of specific contemporary problems, studies of important social institutions, and inquiries into the social and philosophical values underpinning public policies and programs. The committee is composed of fourteen men and women drawn from the Foundation's other divisions and offices. It works primarily in fields not touched by the Foundation's regular programs and occasionally joins with them in supporting projects of common interest.

GRADUATE TRAINING

Eight graduate centers for public policy training supported since 1973 (see list opposite), received a second round of grants in 1976 and 1977. All the centers offer programs that combine studies of the social sciences, management techniques, and quantitative analysis. Although most offer doctorates, primary emphasis is placed on two-year master's programs. Students may also study for two degrees, one in public policy and another in a field such as law, public health, or urban planning. The joint degree programs require a third year of study. Demand for graduates has been heavy. The majority are now working for state and federal agencies, and others for private firms that do research and analysis for government.

Texts and reference works used by traditional public administration schools have proved unsatisfactory for these newer centers, and Boston University was granted $15,000 this year to investigate the possibility of establishing a national clearinghouse for more appropriate public service educational materials, especially case studies.

STUDIES OF POLICIES AND INSTITUTIONS

The committee this year supported studies of various aspects of the American economy. Under a grant to the National Committee for Full Employment, a group of younger economists is investigating the persistent coincidence of high unemployment and high inflation. They aim to construct an economic theory adequate to explain this recent phenomenon. The Center for Economic Studies in Palo Alto, California, received funds to examine the possible effects on unemployment of several radical economic reforms, ranging from the nationalization of basic industries to increased worker
ownership of business. The Brookings Institution was granted $200,000 to continue its annual comprehensive analyses of the American economy. Titled “Setting National Priorities,” these studies consider the long-range implications of government priorities as reflected in the President’s annual budget proposals for defense, welfare, health care, and employment.

Many people believe that the ready availability of cheap handguns—the “Saturday Night Special”—contributes to high crime rates in the United States. Yet public discussion of restrictions on bearing arms is characterized by more heat than light. To provide unbiased information needed to make sound decisions on the regulation of handguns, the Foundation granted $76,000 for a statistical examination of the facts. A team of two economists, from Duke University and Harvard, and a policy analyst from the U.S. Department of Justice will seek to determine the relations between patterns of state and local enforcement of gun laws, gun availability, and crime.

Surveys suggest that one of the primary motives for enlistment in the military’s All Volunteer Force is a desire to obtain further education. However, both educators and military officials are dissatisfied with the nature and quality of higher education currently available to military personnel on and off base. Under a grant to Harvard University, Professor Stephen K. Bailey of the Graduate School of Education is making a preliminary study of present inadequacies and will suggest long-range policy alternatives to help the armed forces and colleges and universities work out more satisfactory programs.

Although the Presidency has come under close scrutiny in recent decades, a Foundation-supported study of the literature in the field reports that most of the research has made insufficient use of primary materials and has neglected recurring problems and processes that cut across several administrations. To prepare for support of comprehensive studies of the Presidency, the Foundation this year made three small grants. Vanderbilt University and the University of Illinois received funds to study the Council of Economic Advisors under various Presidents, and a grant to Wesleyan University supported a conference on the scholarly resources of the John F. Kennedy Library.

Citizens have become increasingly aware that in order to have a say in shaping public policy they need the advice and assistance of a range of specialists. The Foundation has assisted several public interest law firms (see pp. 17 and 21), and this year renewed support for public interest groups in two other professions: the National Association of Accountants for the Public Interest and the Public Interest Economics Foundation. Both have marshaled the services of hundreds of volunteer professionals to help community groups unravel the complexities of government policies and programs.

SPECIAL INQUIRIES
The first year of a far-ranging inquiry into major issues confronting the United States as it enters its third century was supported through a grant to the University

*Studying the Presidency: Results, Needs and Resources. A Report to the Ford Foundation, by Hugh Heclo. 60 pp. $2.95. Available from the Foundation’s Office of Reports.
of California (Berkeley). The sociologist and historian Franz Schurmann and a group of other scholars and graduate students are conducting research and holding seminars on such topics as the future of American cities, the rights of minorities, the role of large corporations in determining governmental policies, and the relation of these issues to American foreign policy.

Because computers have made it possible to store and easily retrieve vast amounts of information about people’s lives, from the size of their bank accounts to the state of their health, concern is rising that confidential details may be released without a citizen’s permission or knowledge. For a study of the extent to which the privacy of medical histories is protected by law, a grant was made to the National Commission on Confidentiality of Health Records.

Several years ago the Foundation supported a study of new religious movements in the United States.* Challenges to the recruiting methods used by some of these movements have raised questions about interpretation of the constitutional guarantee of freedom of religion. A conference to explore these questions and to assess the impact of the new movements on American life was supported through a grant to the Graduate Theological Union in Berkeley, where the original study was conducted.

Although there is an ethical dimension to many public policy questions, few professional training centers provide formal ethics courses. With a view toward possibly helping centers incorporate more rigorous ethical analysis in their class work, the Foundation granted funds to the Institute of Society, Ethics, and the Life Sciences for a study of how ethics are handled in public policy curricula.

**General**

**Grants to Individuals.** In 1977, 1,167 individuals received grants totaling $5,912,766. The awards supported research and writing on subjects related to the Foundation’s interests, participation in educational programs, attendance at conferences and seminars, and exchanges of information or specialized knowledge. In addition, individuals receive Foundation support indirectly through grants for fellowship programs administered by other organizations. For example, the Educational Testing Service and the Council of Southern Universities administer graduate fellowships for minorities (see page 2).

Grants to individuals are made subject to certain limitations and procedural requirements under the U.S. Internal Revenue Code. In general the grants are awarded through publicly announced competitions or on the basis of nominations from universities and other nonprofit institutions.

**Council on Library Resources.** During the past few decades rising costs and an information explosion have placed a tremendous burden on the nation’s libraries. Since 1956 the Council on Library Resources has been helping public and campus libraries make the most of their limited funds, space, and staff. The council, which has been funded principally by the Foundation in the past, this year received a five-year supplement of $2.5 million. However, the council now also receives funds from the Mellon Foundation and Carnegie Corporation. New funds from the Foundation will be used to continue such programs as mid-career fellowships for librarians, international conferences and exchanges, and the development of a national library data bank in machine-readable form, a long-term venture also supported by the Library of Congress. The council also will continue work on policies aimed at increasing interlibrary cooperation, reducing duplication of services, and encouraging greater federal and state support of libraries.

**Michigan and New York Philanthropy.** In recognition of a special obligation to the state of its origin and to the city in which it maintains headquarters, the Foundation annually allocates some $1 million each for charitable activities in Michigan and for the Fund for the City of New York. Established in 1968, the New York fund is an independent institution engaged in research and experimentation aimed at improving the quality of the city’s life and the efficiency of its government agencies. One of the fund’s major interests is the development of explicit standards against which the performance of city agencies can be measured. Programs were tested this year in the Sanitation and Parks departments, outpatient health clinics, and agencies dealing with child abuse and neglect.

In Michigan the Foundation assists activities that are within its regular program interests but are of benefit mainly to the Michigan community. Grants were made this year to seven organizations (see list, opposite). For example, Focus: HOPE, a civil rights organization, received $100,000 to work with students, teachers, and community leaders to facilitate court-ordered desegregation in six Detroit high schools.

**GRANTS AND PROJECTS**

<table>
<thead>
<tr>
<th>Council on Library Resources</th>
<th>Approvals (Reductions)</th>
<th>Payments (Refunds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library development</td>
<td>2,500,000</td>
<td>1,350,000</td>
</tr>
</tbody>
</table>

**Dissemination of program-related information**

| Foundation-managed project: rural research and production | 150,000 | 103,000 |
| Foundation-managed project: program-related meetings in the Foundation’s headquarters building | 50,000 | 3,665 |
| Foundation-managed project: publications | 75,000 | 62,572 |

**Fund for the City of New York**

- Strengthening New York City government ($1,000,000—1975) $1,000,000

**Philanthropic studies and technical assistance**

<table>
<thead>
<tr>
<th>Council on Foundations</th>
<th>20,000</th>
<th>20,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Center ($100,000—1976)</td>
<td>100,000</td>
<td></td>
</tr>
<tr>
<td>Foundation-managed project: Foundation and history project ($8,000—1970)</td>
<td>2,016</td>
<td></td>
</tr>
<tr>
<td>Foundation-managed project: planning of future programs ($75,000—1976)</td>
<td>10,000</td>
<td>18,087</td>
</tr>
</tbody>
</table>

**Travel and study programs**

| Foundation-managed project | 1,085,233 | 1,498,708 |

**PHILANTHROPIC ACTIVITIES IN MICHIGAN**

<table>
<thead>
<tr>
<th>Arts and cultural programs</th>
<th>60,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center for Open Society ($50,000—1975)</td>
<td>60,000</td>
</tr>
<tr>
<td>Interlochen Center for the Arts ($120,000—1975)</td>
<td>19,438</td>
</tr>
</tbody>
</table>

**Criminal justice reform**

<table>
<thead>
<tr>
<th>Supported Work Corporation ($50,000—1976)</th>
<th>50,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Team for Justice</td>
<td>18,000</td>
</tr>
</tbody>
</table>

**Detroit, City of**

| Productivity center ($89,000—1974) | 44,500 |

**Downriver Community Conference**

| Inter-village cooperative projects | 90,000 |

**Educational research and experimentation**

<table>
<thead>
<tr>
<th>Detroit Science Center ($75,000—1975)</th>
<th>5,416</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focus: HOPE</td>
<td>100,000</td>
</tr>
<tr>
<td>Merit-Palmer Institute ($150,000—1975)</td>
<td>68,025</td>
</tr>
<tr>
<td>United Community Services of Metropolitan Detroit</td>
<td>35,050</td>
</tr>
</tbody>
</table>

**Henry Ford Hospital**

| Foundation-managed project: consultants ($118,000—1973) | 7,600 | 9,094 |
| Medical education, research, outpatient clinics, and facilities ($2,513,389—1973) | 2,308,031 |

**Lawyers’ Committee for Civil Rights Under Law**

| Analysis of discrimination in provision of government services ($55,000—1976) | 55,000 |

**Training in housing management**

<table>
<thead>
<tr>
<th>Midwest Association of Housing Cooperatives</th>
<th>30,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Center for Housing Management</td>
<td>100,000</td>
</tr>
<tr>
<td>Organization for Applied Science in Society</td>
<td>72,000</td>
</tr>
</tbody>
</table>

**United Foundation**

| Detroit area charitable activities | 500,000 | 450,000 |

**Women’s Resource Center (Grand Rapids)**

<table>
<thead>
<tr>
<th>Job opportunity program ($90,000—1975)</th>
<th>23,040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michigan assembly on women in the American economy ($10,000—1976)</td>
<td>(1,245)</td>
</tr>
</tbody>
</table>

**Total, General**

| $4,534,650 | $7,234,771 |

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*Travel and study grants, designed to assist the development of men and women in the fields of Foundation activity, were made in fiscal 1971 to 362 individuals, a list of whom is available on request.*
Bibliography

The following is a list of some of the books and reports published in 1976 and 1977 directly or indirectly under grants from the Foundation. They are not obtainable from the Foundation; rather, the publisher or the institution concerned should be consulted. For additional publications resulting from work described in the Annual Report, please consult recipient organizations, some of which supply complete lists of their publications on request.

Education and Research


International


Leon de Leal, Magdalena, La Mujer y el Desarrollo en Colombia (Women and Development in Colombia). Bogotá, Colombia: Colombian Association for the Study of Population, 1977.


National Affairs


Introduction to Financial Statements

In fiscal 1977, the Ford Foundation continued to move toward a better balance between its service to philanthropy today (expenditures) and its capacity to sustain philanthropy in the future (the earning power of its assets). Total cash outlays declined to $172 million from $184 million in fiscal 1976, $203 million in 1975, and $284 million in 1974. At the end of fiscal 1977, the Foundation had reduced the unpaid commitments from previous budgets to $225 million, compared with $271 million at the end of 1976. The effort to improve the Foundation's future financial capacity by reducing expenditures was not, however, assisted in the capital markets, which did not yield enough to offset the effects of inflation.

Investment Results. Before deducting expenditures or accounting for inflation, the overall portfolio performance showed a slight decline—less than half of 1 per cent—even though the Standard & Poor's 500 Index was off 4 per cent and the Dow Jones 10 per cent during the period.* As an inflation-sensitive, long-term investor, the Foundation places heaviest reliance upon equity securities. Thus, in fiscal 1977 its marketable U.S. equities (comprising 69 per cent of the total portfolio at the end of the period) showed a negative total return of 3.8 per cent. Total investment performance benefited significantly from the portfolio of U.S. marketable fixed-income securities (15 per cent of total assets at year end),** which registered positive total returns of a little over 10 per cent. In summary, before adjusting for inflation, the total portfolio began the year at $2.289 billion, provided funds for cash expenditures of $172 million during the year, reflected a negative total investment return of 0.3 per cent, and ended the fiscal year at $2.091 billion.

Inflation Accounting. The Foundation has long recognized that the loss of purchasing power resulting from inflation should be considered in reviewing investment results. In fiscal 1977 the Consumer Price Index increased about 6½ per cent, and the GNP deflator, another measure of inflation, showed an increase of only a little less than that amount. Subtracting inflation from the rates of return cited above, the Standard & Poor's 500 Index was off more than 10 per cent and the Dow more than 16 per cent. Before expenditures, the Foundation's total portfolio lost 6½ per cent of its purchasing power to inflation (since total returns were close to zero for the period in nominal terms).

Management. During 1977, the Foundation enhanced its ability to achieve its financial goals and thus its charitable objectives in the future through the addition of a number of key financial personnel, principally

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*Investment performance is measured by total return, defined as interest and dividends plus or minus capital gain or loss.

**Inclusion of non-marketable securities, both equities and fixed income, would alter these percentages somewhat, as can be seen in the detailed portfolio breakdown on page 68.
Jon Hagler, vice president and treasurer, whose remarks appear below. The close of 1977 marks the end of my tenure as vice president for financial affairs, to become a vice president on the grant-making side of the Foundation.

ROGER G. KENNEDY
VICE PRESIDENT

The Foundation’s charitable assets have endured a decade of weak capital markets and high inflation while the Foundation’s average annual rate of expenditure (as a percentage of assets) has been about twice that of most foundations in this country. It is important to remember that over the decade this institution has spent about $2 billion in pursuit of its philanthropic objectives. To maintain its commitment to the public well-being, the Foundation’s financial staff must both build upon the real achievements of its financial policy over the decade and address a series of new conditions. Chief among the topics we are now examining are this institution’s comparative advantages as an investor in the world’s capital markets and the possibility of achieving a greater and more systematic equilibrium between the Foundation’s investment and spending policies. I expect to be able to report next year in more detail about these and other aspects of the Foundation’s financial management.

JON L. HAGLER
VICE PRESIDENT and TREASURER
JANUARY 16, 1978
FINANCIAL STATEMENTS
In the Statement of Financial Position (page 62) and the Statement of Income, Expenditures, and Changes in Fund Balance (page 63), the accrual method of accounting is followed, under which income is recorded when earned, even if not received, and grants and expenditures are recorded when incurred, even if not paid. Grants are recorded as expenses when approved by the Trustees or the President. A summary of the other accounting policies followed by the Foundation is set forth in Note 1 to the Financial Statements (page 65).

The Foundation's investments are carried at market value in the accounts, and corresponding changes in realized and unrealized appreciation or depreciation on securities holdings are reflected in the Statement of Income, Expenditures, and Changes in Fund Balance (page 63).

Income and Expenses. Gross income from dividends and interest in 1977 amounted to $98.0 million as compared with $96.6 million in 1976.

Expenditures for program activities—grants approved, expenditures for the direct conduct of charitable activities (Foundation-managed projects), and program management expenses—totaled $115.4 million as compared with $150.9 million in 1976. General management expenses amounted to $8.6 million in 1977 as compared with $8.5 million in 1976. Since the Foundation was established in 1936, grants and expenses have totaled $5.3 billion (see chart, page 61).

New Commitments. The Foundation's new program activity in a given year consists of Trustee-approved appropriations from which grants are made and program activities are conducted directly by the Foundation. In 1977, new commitments totaled $100.6 million, a $44.6 million decrease from the previous year.

Sources and Uses of Cash. Grant payments amounted to $136.8 million in 1977, as compared with $150.3 million in 1976. Both these figures exceed grant approvals—by $44.6 million in 1977 and $22.9 million in 1976—reflecting the cash impact of higher budgets in previous years.

Unpaid Grants. The total of payments still due on approved grants on September 30, 1977, was $157.0 million, compared with $201.6 million at the end of the previous fiscal year. (Other unpaid commitments are included under “Fund Balance—appropriated” in the Statement of Financial Position on page 62).

Program-Related Investments. In addition to making grants, the Foundation uses its funds to finance or invest in enterprises that advance philanthropic purposes in various fields of Foundation interest. The Trustees have authorized $50 million for these investments, of which $31.6 million had been approved and $23.5 million disbursed or guaranteed at September 30, 1977. A list of program-related investments begins on page 17.

TAX REFORM ACTS OF 1969 AND 1976
The Foundation is subject to the provisions of these Acts as they relate to private foundations. The Acts impose, among other requirements,
Comparison of Grants and Expenses with Income for Fiscal Years 1936-1977

For the 10 years 1968-1977 (in millions of dollars)

<table>
<thead>
<tr>
<th>Year</th>
<th>Dividend and Interest Income</th>
<th>Grants and Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1968</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td></td>
<td></td>
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<tr>
<td>1970</td>
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<td>1971</td>
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<td>1972</td>
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<td>1973</td>
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<td>1976</td>
<td></td>
<td></td>
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<tr>
<td>1977</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Cumulative 1930-1977 (in millions of dollars)

<table>
<thead>
<tr>
<th>Period</th>
<th>Dividend and Interest Income</th>
<th>Grants and Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1930-1967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1968-1977</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1930-1977</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

an excise tax of 4 per cent on net investment income, defined as dividends, interest, and net realized gains on securities transactions, reduced by related expenses.

For the years 1971 through 1976, the Foundation paid taxes totaling $37.1 million; the tax for fiscal 1977 is estimated at $4.1 million.

The Acts also require private foundations to distribute income (as defined in the Acts) by the end of the year following the year in which earned. The minimum amount to be distributed is either total income or 5 per cent of the market value of assets, whichever is higher. The Foundation’s distributions for the first seven years under the Acts substantially exceed the required amounts, as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Distributed*</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1971</td>
<td>$275.6</td>
<td>$138.3</td>
</tr>
<tr>
<td>1972</td>
<td>259.9</td>
<td>113.2</td>
</tr>
<tr>
<td>1973</td>
<td>236.7</td>
<td>131.3</td>
</tr>
<tr>
<td>1974</td>
<td>232.8</td>
<td>107.5</td>
</tr>
<tr>
<td>1975</td>
<td>253.7</td>
<td>107.4</td>
</tr>
<tr>
<td>1976</td>
<td>184.0</td>
<td>128.4</td>
</tr>
<tr>
<td>1977 (estimated)</td>
<td>169.5</td>
<td>109.3</td>
</tr>
</tbody>
</table>

*Distributions are defined specifically under the Tax Reform Act of 1969 and will therefore differ from cash disbursements as reported on page 64.
## The Ford Foundation
### Statement of Financial Position (Note 1)
#### SEPTEMBER 30, 1977 AND 1976

<table>
<thead>
<tr>
<th>Assets</th>
<th>1977</th>
<th>1976*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Investments, at market (Note 2)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed income securities</td>
<td>$378,689</td>
<td>$440,012</td>
</tr>
<tr>
<td>Fixed income securities with equity participation</td>
<td>23,230</td>
<td>32,739</td>
</tr>
<tr>
<td>Equity securities</td>
<td>1,689,179</td>
<td>1,816,500</td>
</tr>
<tr>
<td><strong>Total assets</strong></td>
<td>2,091,098</td>
<td>2,289,251</td>
</tr>
</tbody>
</table>

| Other assets |       |       |
| Cash | 6,168 | 3,453 |
| Receivables (Note 3) | 26,395 | 26,757 |
| Program-related investments (net of allowance for possible losses of $6,221,000 in 1977 and $6,493,000 in 1976) | 12,620 | 11,152 |
| Land and buildings (Note 4) | 21,284 | 21,730 |
| Other real estate, at cost | 1,873 | 1,804 |
| **Total assets** | 2,159,438 | 2,354,147 |

| Liabilities |       |       |
| Unpaid grants | 156,997 | 201,551 |
| Accounts payable (Note 3) | 15,954 | 17,183 |
| Federal excise tax payable | 4,522 | 4,087 |
| Deferred federal excise tax—estimated | 3,472 | 7,170 |
| **Total liabilities** | 180,945 | 229,991 |

| Commitments and contingencies (Note 6) |       |       |
| Fund balance |       |       |
| Appropriated | 68,197 | 69,945 |
| Unappropriated | 1,910,296 | 2,054,211 |
| **Fund balance** | $1,978,493 | $2,124,156 |

*Reclassified for comparative purposes.

For footnotes to financial statements, see page 65.
<table>
<thead>
<tr>
<th></th>
<th>1977</th>
<th>1976</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>(in thousands)</td>
<td></td>
</tr>
<tr>
<td>Dividends</td>
<td>$59,247</td>
<td>$52,829</td>
</tr>
<tr>
<td>Interest</td>
<td>38,760</td>
<td>43,724</td>
</tr>
<tr>
<td></td>
<td><strong>98,007</strong></td>
<td><strong>96,553</strong></td>
</tr>
<tr>
<td>Less—Expenses incurred</td>
<td></td>
<td></td>
</tr>
<tr>
<td>in the production of</td>
<td></td>
<td></td>
</tr>
<tr>
<td>income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provision for federal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>excise tax (Note 5)</td>
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<tr>
<td></td>
<td>5,929</td>
<td>6,474</td>
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<td></td>
<td>4,100</td>
<td>3,700</td>
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<td><strong>10,029</strong></td>
<td><strong>10,174</strong></td>
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<td></td>
<td><strong>87,978</strong></td>
<td><strong>86,379</strong></td>
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<tr>
<td>Expenditures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grants approved—</td>
<td>86,406</td>
<td>121,550</td>
</tr>
<tr>
<td>organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grants approved—</td>
<td>5,824</td>
<td>5,821</td>
</tr>
<tr>
<td>individuals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct conduct of</td>
<td>8,154</td>
<td>7,189</td>
</tr>
<tr>
<td>charitable activities*</td>
<td></td>
<td></td>
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<tr>
<td>Program management (Note 4)</td>
<td>14,614</td>
<td>15,462</td>
</tr>
<tr>
<td>Provision for possible</td>
<td>401</td>
<td>872</td>
</tr>
<tr>
<td>losses on program-</td>
<td></td>
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</tr>
<tr>
<td>related investments</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>115,399</strong></td>
<td><strong>150,894</strong></td>
</tr>
<tr>
<td>General management (Note 4)</td>
<td>8,605</td>
<td>8,474</td>
</tr>
<tr>
<td></td>
<td><strong>124,004</strong></td>
<td><strong>159,368</strong></td>
</tr>
<tr>
<td>Excess of expenditures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>over income before</td>
<td>(36,026)</td>
<td>(72,989)</td>
</tr>
<tr>
<td>(depreciation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>appreciation on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>investments (Note 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Depreciation)</td>
<td>(109,637)</td>
<td>372,162</td>
</tr>
<tr>
<td>appreciation on</td>
<td></td>
<td></td>
</tr>
<tr>
<td>investments (Note 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Decrease) increase in</td>
<td>(145,663)</td>
<td>299,173</td>
</tr>
<tr>
<td>fund balance during the</td>
<td></td>
<td></td>
</tr>
<tr>
<td>year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fund balance at</td>
<td>2,124,156</td>
<td>1,824,903</td>
</tr>
<tr>
<td>beginning of year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fund balance at end of</td>
<td>$1,978,493</td>
<td>$2,124,156</td>
</tr>
<tr>
<td>year</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Represents program activities conducted directly by the Foundation rather than by grantees.

For footnotes to financial statements, see page 65.
Statement of Sources and Uses of Cash  
(Cash Basis)  
(Note 1)  
FOR THE YEARS ENDED  
SEPTEMBER 30, 1977 AND 1976

<table>
<thead>
<tr>
<th></th>
<th>1977 (in thousands)</th>
<th>1976 (in thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cash provided by income</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dividends and interest</td>
<td>$98,813</td>
<td>$94,949</td>
</tr>
<tr>
<td>Less—Expenses incurred in the production of income</td>
<td>6,053</td>
<td>6,237</td>
</tr>
<tr>
<td><strong>Net cash provided by income</strong></td>
<td><strong>92,760</strong></td>
<td><strong>88,712</strong></td>
</tr>
<tr>
<td><strong>Uses of cash</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payments related to program activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant payments</td>
<td>136,784</td>
<td>150,270</td>
</tr>
<tr>
<td>Direct conduct of charitable activities</td>
<td>8,087</td>
<td>7,209</td>
</tr>
<tr>
<td>Program management expenses</td>
<td>14,505</td>
<td>15,516</td>
</tr>
<tr>
<td>General management expenses</td>
<td>8,386</td>
<td>7,973</td>
</tr>
<tr>
<td>Federal excise tax</td>
<td>3,700</td>
<td>3,312</td>
</tr>
<tr>
<td><strong>Total uses of cash</strong></td>
<td><strong>171,462</strong></td>
<td><strong>184,280</strong></td>
</tr>
<tr>
<td><strong>Excess of cash used over cash provided by income</strong></td>
<td><strong>($ 78,702)</strong></td>
<td><strong>($ 95,568)</strong></td>
</tr>
<tr>
<td><strong>Cash provided by net disposition of investments</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proceeds on disposition of investments</td>
<td>$1,116,693</td>
<td>$1,928,269</td>
</tr>
<tr>
<td>Less—Purchase of investments</td>
<td>1,033,271</td>
<td>1,832,126</td>
</tr>
<tr>
<td><strong>Cash provided by net disposition of investments</strong></td>
<td><strong>83,422</strong></td>
<td><strong>96,143</strong></td>
</tr>
<tr>
<td><strong>Cash (used) provided by changes in other assets and liabilities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase in program-related investments</td>
<td>(1,767)</td>
<td>(817)</td>
</tr>
<tr>
<td>Increase in cash balances</td>
<td>(2,715)</td>
<td>(730)</td>
</tr>
<tr>
<td>Other, net</td>
<td>(238)</td>
<td>972</td>
</tr>
<tr>
<td><strong>Total changes in other assets and liabilities</strong></td>
<td><strong>(4,720)</strong></td>
<td><strong>(575)</strong></td>
</tr>
<tr>
<td><strong>Net cash provided by (used)</strong></td>
<td><strong>$ 78,702</strong></td>
<td><strong>$ 95,568</strong></td>
</tr>
</tbody>
</table>

For footnotes to financial statements, see opposite page.
Note 1—Summary of Accounting Policies

Investments: All investments are carried at market value. Realized and unrealized gains or losses are determined by comparison of cost to proceeds or market value, respectively, cost being determined on an identified lot basis.

Market values are based on quotations where available. Market values for investments purchased through direct negotiation, and thus with limited marketability, have been determined in the manner described below, which includes recognition of risk factors where appropriate:

Fixed income securities are valued on the basis of a comparison of the instrument's yield with current bond market yields for appropriate commercial debt instruments.

Fixed income securities with equity participation are similarly valued and include a value for equity participation in appropriate instances.

Equity participations in real estate and debt instruments with and without equity participation secured by real estate are valued at estimated realizable values as determined by the appropriate Foundation officers, with the assistance of outside real estate advisors.

All other securities for which quotations are not available, including certain equity securities purchased through direct negotiation, are valued at estimated realizable values as determined by the appropriate Foundation officers.

The accounts of wholly-owned subsidiaries, formed solely for the purpose of holding land for investment, have been consolidated in all material respects with those of the Foundation.

Land and buildings, other than those held for investment: Land owned by the Foundation is carried at cost and buildings are carried at cost less accumulated depreciation. Depreciation on buildings is recorded using the straight-line method based on their estimated useful lives.

Income and expenditures: Income is recorded when earned, even if not received, and expenditures are recorded when incurred, even if not paid. Grants are recorded as expenses at the time of approval by the trustees or the president.

Note 2—Investments

The cost of investments held at September 30, 1977 and 1976 was as follows:

<table>
<thead>
<tr>
<th></th>
<th>1977</th>
<th>1976</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed income securities</td>
<td>$393,224,000</td>
<td>$444,452,000</td>
</tr>
<tr>
<td>Fixed income securities with equity participation</td>
<td>$34,988,000</td>
<td>63,162,000</td>
</tr>
<tr>
<td>Equity securities</td>
<td>1,548,179,000</td>
<td>1,543,801,000</td>
</tr>
<tr>
<td></td>
<td>$1,976,391,000</td>
<td>$2,051,415,000</td>
</tr>
</tbody>
</table>

Market values for investments purchased through direct negotiation, and thus with limited marketability, amounted to $129,185,000 at September 30, 1977 and $123,475,000 at September 30, 1976 (see Note 1).

Depreciation on investments in 1977 comprised unrealized depreciation of $125,158,000 less realized gains of $15,521,000 on dispositions. Comparative amounts for 1976 were unrealized appreciation of $363,398,000 and realized gains of $8,764,000.

Unrealized (depreciation) appreciation is net of provisions for deferred federal excise tax of $3,472,000 in 1977 and $7,170,000 in 1976.

For the basis used in determining realized and unrealized (depreciation) appreciation, refer to Note 1.

Note 3—Receivables and Accounts Payable

Receivables and accounts payable at September 30, 1977 and 1976 comprised the following:

<table>
<thead>
<tr>
<th></th>
<th>1977</th>
<th>1976</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receivables</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accrued interest and dividends</td>
<td>$13,105,000</td>
<td>$13,752,000</td>
</tr>
<tr>
<td>Securities sold but not delivered</td>
<td>10,910,000</td>
<td>11,287,000</td>
</tr>
<tr>
<td>Other</td>
<td>2,380,000</td>
<td>1,718,000</td>
</tr>
<tr>
<td></td>
<td>$26,395,000</td>
<td>$26,757,000</td>
</tr>
<tr>
<td>Accounts payable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Securities purchased but not received</td>
<td>$9,336,000</td>
<td>$13,640,000</td>
</tr>
<tr>
<td>Other</td>
<td>6,618,000</td>
<td>3,543,000</td>
</tr>
<tr>
<td></td>
<td>$15,954,000</td>
<td>$17,183,000</td>
</tr>
</tbody>
</table>
Note 4—Land and Buildings

Balances for land and buildings at September 30, 1977 and 1976 were as follows:

<table>
<thead>
<tr>
<th></th>
<th>1977</th>
<th>1976</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land</td>
<td>$ 3,736,000</td>
<td>$ 3,736,000</td>
</tr>
<tr>
<td>Office building (net of accumulated depreciation of $4,152,000 in 1977, and $3,725,000 in 1976)</td>
<td>17,183,000</td>
<td>17,596,000</td>
</tr>
<tr>
<td>Overseas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office building and housing facilities (net of accumulated depreciation of $246,000 in 1977, and $213,000 in 1976)</td>
<td>365,000</td>
<td>398,000</td>
</tr>
</tbody>
</table>

$21,284,000             | $21,730,000 |

Depreciation is included in program and general management expenses and aggregated $460,000 in 1977 and $455,000 in 1976.

Note 5—Provision for Federal Excise Tax

In accordance with the provisions of the Tax Reform Acts of 1969 and 1976, federal excise tax has been provided in the amount of $4,100,000. Tax at 4% is payable principally on investment income, which includes dividends, interest, and net realized gains on security transactions as defined by the Internal Revenue Code.

Note 6—Commitments and Contingencies

At September 30, 1977, the Foundation had commitments to make loans aggregating approximately $28.3 million. In addition, the Foundation has guaranteed to various lending institutions loans aggregating $6.8 million of which about $2.1 million is currently outstanding.

The Foundation and its subsidiaries are involved in several legal actions arising out of investment activities, some of which have been pending for several years. The Foundation believes it has defenses to such claims and believes that they are substantially without merit and is vigorously defending the actions. In the opinion of management, the final dispositions of these matters will not have a material effect on the Foundation's financial statements.

Opinion of Independent Accountants

TO THE BOARD OF TRUSTEES OF THE FORD FOUNDATION

In our opinion, the accompanying statement of financial position and related statements of income, expenditures and changes in fund balance and of sources and uses of cash present fairly the financial position of The Ford Foundation at September 30, 1977 and 1976, its income, expenses and changes in fund balance and the sources and uses of cash for the years then ended in conformity with generally accepted accounting principles consistently applied. Our examinations of these statements 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, including confirmation of the cash and securities owned at September 30, 1977 and 1976 by correspondence with the depositaries.

Price Waterhouse & Co.

NEW YORK, NEW YORK
DECEMBER 7, 1977
### Summary of Investments

**SEPTEMBER 30, 1977 AND 1976**

<table>
<thead>
<tr>
<th>Investments</th>
<th>1977 (in millions)</th>
<th>1976 (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cost</td>
<td>Estimated Market (1)</td>
</tr>
<tr>
<td>Fixed income securities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. Government and U.S. Government Agencies</td>
<td>$173.5</td>
<td>$174.2</td>
</tr>
<tr>
<td>Money market instruments</td>
<td>28.4</td>
<td>28.2</td>
</tr>
<tr>
<td>Marketable bonds</td>
<td>133.4</td>
<td>141.4</td>
</tr>
<tr>
<td>Bonds with limited marketability</td>
<td>58.2</td>
<td>34.9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>393.5</strong></td>
<td><strong>378.7</strong></td>
</tr>
<tr>
<td>Fixed income securities with equity participation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Securities with limited marketability</td>
<td><strong>35.0</strong></td>
<td><strong>23.2</strong></td>
</tr>
<tr>
<td>Equity securities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Convertible debentures</td>
<td>82.9</td>
<td>82.5</td>
</tr>
<tr>
<td>Common and convertible preferred stocks</td>
<td>1,394.9</td>
<td>1,535.6</td>
</tr>
<tr>
<td>Securities with limited marketability</td>
<td>72.2</td>
<td>71.1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,550.0</strong></td>
<td><strong>1,689.2</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$1,978.5</strong></td>
<td><strong>$2,091.1</strong></td>
</tr>
</tbody>
</table>

1) See Note 1 to financial statements.

†A complete list of investments is published separately and is available on request.
### Income, Expenditures, and Changes in Fund Balance

<table>
<thead>
<tr>
<th>Description</th>
<th>1977</th>
<th>1976</th>
<th>1975</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dividend and interest income (net of related expenses)</td>
<td>92.1</td>
<td>90.1</td>
<td>88.7</td>
</tr>
<tr>
<td>Federal excise tax</td>
<td>4.1</td>
<td>3.7</td>
<td>3.5</td>
</tr>
<tr>
<td>Expenditures—per income statements (grants, direct conduct of charitable activities and program and general management expenses)</td>
<td>124.0</td>
<td>159.4</td>
<td>204.6(4)</td>
</tr>
<tr>
<td><strong>Cumulative excess of expenditures over income</strong></td>
<td>2,115.6</td>
<td>2,078.6</td>
<td>2,008.6</td>
</tr>
<tr>
<td>Realized gain (loss) on disposition of securities</td>
<td>15.5</td>
<td>8.8</td>
<td>(32.2)</td>
</tr>
<tr>
<td>Unrealized appreciation (depreciation) on securities held at end of year(5)</td>
<td>(125.2)</td>
<td>363.4</td>
<td>441.2</td>
</tr>
<tr>
<td>**Fund balance at market value, at end of year(1)</td>
<td>1,978.5</td>
<td>2,124.2</td>
<td>1,825.0</td>
</tr>
<tr>
<td><strong>Expenditures on a cash basis</strong></td>
<td>171.5</td>
<td>184.3</td>
<td>203.3</td>
</tr>
</tbody>
</table>

### Statement of Portfolio

#### Investments

<table>
<thead>
<tr>
<th>Description</th>
<th>1977</th>
<th>1976</th>
<th>1975</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed income securities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net purchases (sales)</td>
<td>(59.1)</td>
<td>(52.3)</td>
<td>65.7</td>
</tr>
<tr>
<td>Market value at end of year(6)</td>
<td>378.7</td>
<td>440.0</td>
<td>455.6</td>
</tr>
<tr>
<td>% of total portfolio</td>
<td>18.1%</td>
<td>19.2%</td>
<td>22.7%</td>
</tr>
<tr>
<td>Fixed income securities with equity participation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net purchases (sales)</td>
<td>(16.0)</td>
<td>(1.6)</td>
<td>1.5</td>
</tr>
<tr>
<td>Market value at end of year(6)</td>
<td>23.2</td>
<td>32.8</td>
<td>39.6</td>
</tr>
<tr>
<td>% of total portfolio</td>
<td>1.1%</td>
<td>1.4%</td>
<td>2.0%</td>
</tr>
<tr>
<td>Equity securities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net purchases (sales)</td>
<td>(13.4)</td>
<td>(42.5)</td>
<td>(176.8)</td>
</tr>
<tr>
<td>Market value at end of year(6)</td>
<td>1,689.2</td>
<td>1,816.5</td>
<td>1,508.7</td>
</tr>
<tr>
<td>% of total portfolio</td>
<td>80.8%</td>
<td>79.4%</td>
<td>75.3%</td>
</tr>
</tbody>
</table>

#### Ford Motor Company Class A stock (nonvoting)

<table>
<thead>
<tr>
<th>Description</th>
<th>1977</th>
<th>1976</th>
<th>1975</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shares disposed of during year</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Market value of shares disposed of</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Market value at end of year(6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shares held at end of year</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>September 30 market price per common share ($)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% of total portfolio</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage held of total outstanding shares of Ford Motor Company</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Total portfolio

<table>
<thead>
<tr>
<th>Description</th>
<th>1977</th>
<th>1976</th>
<th>1975</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market value at end of year(7)</td>
<td>2,091.1</td>
<td>2,289.3</td>
<td>2,003.9</td>
</tr>
</tbody>
</table>

---

(1) Shares of Ford Motor Company Class A stock are stated in millions. All other figures, with the exception of percentages, are stated in millions of dollars.
(2) For 1971 and subsequent years shown net of provisions for deferred federal excise tax on cumulative net unrealized gains.
(3) The "Fund Balance" includes contributions from original donors, plus interest and dividend income and realized and unrealized appreciation on investments (net of provisions for deferred federal excise tax on cumulative net unrealized gains), less grants approved, expenditures for the direct conduct of charitable activities, program and general management expenses, and provisions for federal excise tax, all since inception. It differs, therefore, from the market valuation of the total portfolio, which is shown on the last line of the above summary.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1,699.0</td>
<td>3,064.8</td>
<td>3,301.2</td>
<td>3,279.5</td>
<td>2,833.5</td>
<td>2,915.9</td>
<td>3,600.0</td>
</tr>
<tr>
<td>1974</td>
<td>105.4</td>
<td>109.3</td>
<td>121.6</td>
<td>136.2</td>
<td>140.8</td>
<td>149.2</td>
<td>154.5</td>
</tr>
<tr>
<td>1973</td>
<td>4.2</td>
<td>5.4</td>
<td>11.2</td>
<td>9.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1972</td>
<td>251.6</td>
<td>237.0</td>
<td>218.5</td>
<td>225.1</td>
<td>236.8</td>
<td>238.0</td>
<td>210.2</td>
</tr>
<tr>
<td>1971</td>
<td>1,667.2</td>
<td>1,736.8</td>
<td>1,603.7</td>
<td>1,495.6</td>
<td>1,397.3</td>
<td>1,301.3</td>
<td>1,212.5</td>
</tr>
<tr>
<td>1970</td>
<td>(206.4)</td>
<td>(72.4)</td>
<td>(18.4)</td>
<td>56.4</td>
<td>(35.3)</td>
<td>(12.6)</td>
<td>(4.8)</td>
</tr>
<tr>
<td>1969</td>
<td>(969.5)</td>
<td>(39.1)</td>
<td>196.8</td>
<td>521.9</td>
<td>116.1</td>
<td>(534.4)</td>
<td>173.6</td>
</tr>
<tr>
<td>1968</td>
<td>1,535.4</td>
<td>2,861.7</td>
<td>3,106.3</td>
<td>3,036.0</td>
<td>2,556.0</td>
<td>2,571.2</td>
<td>3,207.0</td>
</tr>
<tr>
<td>1967</td>
<td>284.2¹</td>
<td>244.2</td>
<td>262.6</td>
<td>268.3</td>
<td>284.9</td>
<td>286.7</td>
<td>289.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1,699.0</td>
<td>3,064.8</td>
<td>3,301.2</td>
<td>3,279.5</td>
<td>2,833.5</td>
<td>2,915.9</td>
<td>3,600.0</td>
</tr>
<tr>
<td>1974</td>
<td>74.8</td>
<td>(27.1)</td>
<td>(167.5)</td>
<td>(87.3)</td>
<td>(51.9)</td>
<td>(175.7)</td>
<td>(163.8)</td>
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<tr>
<td>1973</td>
<td>382.2</td>
<td>355.1</td>
<td>362.5</td>
<td>504.8</td>
<td>543.5</td>
<td>590.0</td>
<td>795.2</td>
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<td>1972</td>
<td>22.5%</td>
<td>11.6%</td>
<td>11.0%</td>
<td>15.4%</td>
<td>19.2%</td>
<td>20.2%</td>
<td>22.1%</td>
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<td>1971</td>
<td>28.0</td>
<td>14.7</td>
<td>(8.9)</td>
<td>8.7</td>
<td>25.7</td>
<td>18.8</td>
<td>5.9</td>
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<td>1970</td>
<td>60.9</td>
<td>42.4</td>
<td>60.1</td>
<td>99.6</td>
<td>84.4</td>
<td>65.4</td>
<td>39.4</td>
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<tr>
<td>1969</td>
<td>3.6%</td>
<td>1.4%</td>
<td>1.8%</td>
<td>3.0%</td>
<td>3.0%</td>
<td>2.3%</td>
<td>1.1%</td>
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<tr>
<td>1968</td>
<td>(4.5)</td>
<td>164.5</td>
<td>480.8</td>
<td>254.9</td>
<td>3.7</td>
<td>165.4</td>
<td>175.8</td>
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<td>1967</td>
<td>1,255.9</td>
<td>2,260.9</td>
<td>2,145.2</td>
<td>1,424.4</td>
<td>979.4</td>
<td>1,094.0</td>
<td>1,053.5</td>
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<tr>
<td>1966</td>
<td>73.9%</td>
<td>73.7%</td>
<td>65.0%</td>
<td>43.4%</td>
<td>34.6%</td>
<td>37.5%</td>
<td>29.3%</td>
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<tr>
<td>1965</td>
<td>6.8</td>
<td>4.2</td>
<td>7.0</td>
<td>5.7</td>
<td>3.4</td>
<td>3.0</td>
<td>2.5</td>
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<tr>
<td>1964</td>
<td>281.5</td>
<td>275.0</td>
<td>466.0</td>
<td>349.0</td>
<td>144.2</td>
<td>148.9</td>
<td>127.6</td>
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<tr>
<td>1963</td>
<td>406.4</td>
<td>733.4</td>
<td>1,250.7</td>
<td>1,226.2</td>
<td>1,166.5</td>
<td>1,171.9</td>
<td></td>
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<tr>
<td>1962</td>
<td>6.8</td>
<td>11.0</td>
<td>18.0</td>
<td>23.7</td>
<td>27.0</td>
<td>30.0</td>
<td></td>
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<tr>
<td>1961</td>
<td>59%</td>
<td>66%</td>
<td>69%</td>
<td>51%</td>
<td>43%</td>
<td>57%</td>
<td></td>
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<tr>
<td>1960</td>
<td>13.3%</td>
<td>22.2%</td>
<td>38.2%</td>
<td>43.2%</td>
<td>40.0%</td>
<td>47.5%</td>
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<tr>
<td>1959</td>
<td>7%</td>
<td>11%</td>
<td>17%</td>
<td>22%</td>
<td>25%</td>
<td>27%</td>
<td></td>
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</tbody>
</table>

¹Includes $49.7 million representing annuity held for assignment to the Fund for Henry Ford Hospital—see Notes (4) in 1974 and (3) in 1975 to the financial statements.

²Includes securities with limited marketability, which are valued at cost for 1968.

³Based on the September 30 market price of Ford Motor Company common stock.

⁴Market values are based on quotations where available—see Note (5) above, and Note (1) to the financial statements, for the basis used to determine the values of securities with limited marketability.
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Index

A Better Chance 2
A Bunch of Experimental Theatres of New York, Inc. 26
Aberdeen University of 48
Abidjan, University of 43
Academy of Christian Humanism, Archbishopric of Santiago for the 38
*Academy for Educational Development 3
*Academy Theatre 29
Action for Children's Television 23
Administrative Staff College of India 31
*Advisory Services for Better Housing, Inc. 11, 14
Affiliate Artists, Inc. 27
African-American Institute 41
African-American Scholars Council 41
African Association for Public Administration and Management 41
African Social Studies Programme 41
Agrarian Tribunal 40
Agrarian University 40
Agricultural Development Council 30, 32, 33
Agia Sophia of America 11, 13
Ahmadu Bello University 42, 43
Ain Shams University 45
Akland Agricultural College 34
Alaska Native Nation 11, 12
*Al-Azhar University 45
Albany Medical College 45
Aleppo, University of 44
Alexandria University 45
All Africa Council of Churches 41
Alliance to Save Energy 20, 21
*Alvin Alley City Center Dance Theater 28
America, Catholic University of 13
American Academy of Arts and Sciences 5, 7, 8, 48, 50
American Arbitration Association 16, 18, 20
American Assembly 26
American Association for the Advancement of Science 20
American Association for the Advancement of Teaching 19
American Association for Higher Education 3
American Association for the International Commission of Jurists 48, 48
American Association of School Administrators 8, 8
American Association of University Professors 10
American Bar Association *Commission on Correctional Facilities and Services 16
*Commission on Law and the Economy 19
*Funds for Public Education 9, 15, 16, 19
American Civil Liberties Union Foundation 14, 15
American Community School 44
American Conservation Education 26
American Council on Education 3, 47, 48
American Council for Emigres in the Professions 48, 48
American Council on Germany 20
American Council of Learned Societies 5, 26, 29, 35, 35, 36, 48, 50
*Committee on the Study of Chinese Civilization 36
American Council for the United Nations University 2
American Dance Festival 28
American Friends Service Committee 8, 8
American Indian Development Association 11
American Indian Historical Society 11
American Institute of Architects Foundation 15
American Institute of Indian Studies 35
American Institutes for Research in the Behavioral Sciences 53
American Jewish Committee 13
American Political Science Association 16
American Research Center in Egypt 45
American Shakespeare Festival Theatre and Academy of Connecticut 26
American Society of International Law 48, 49
*American Society of Newspaper Editors 24
American Society of Planning Officials 17
American Social Science for Public Administration 15
American Universities Field Staff 23
American University (Wash., D.C.) 48
American University at Beirut 44
American University in Cairo 42, 44, 45
Amherst College 41
Amistad Research Center 2
Andalus University 33
Andes, University of the 37, 39
Andhra Pradesh Agricultural University 31
Antique, Province of 34
Anti-Slavery Society of London 36
Appallshop, Inc. 9
Archbishopric of Santiago for the Academy of Christian Humanism 38
*Arena Stage 30
Argentine Graduate School in Agricultural Sciences 37
*Aril Lands Development Program 42
Arizona Job Colliages 11
Arizona, University of 20, 34, 47
Arkansas, University of 30
Arms Control Association 48
Arts and Business Council of New York City 26
Asia Society 30
Aspen Institute for Humanistic Studies 2, 4, 9, 16, 23, 23, 47
Aspira of America 2, 4
Assembly of Behavioral and Social Sciences 51
Assiut University 43
Associated Councils of the Arts 26, 29
Associated Independent Colleges of Kansas 3
Associates for Renewal in Education 6, 6
Association for the Advancement of Agricultural Sciences in Africa 41
Association of American Colleges 3, 5
Association of American Universities 3, 5
Association for Asian Studies 35, 35
Association of the Bar of the City of New York 17
Association of Brazilian Centers for Teaching and Research in Economics 37
Association of Faculties of Agriculture in Africa 41
Association of Independent California Colleges and Universities Research Foundation 3
Association of Neighborhood Housing Developers 11
Association of Schools in the Arts 28, 29
Association for Sociocultural Research and Action 39
Association for the Study of Negro Life and History 2
Ateneo de Manila University 34, 35
Athens Technological Organization 29
*Atlanta University 2
Atlanta University Center 2, 2, 51
Atlantic Institute for International Affairs 49
Australian National University 30, 48
Autonomous Metropolitan University 40
*Autonomous University of 31, 33, see distinctive name
*Bacone College 2
Bahamas, College of the 38
Bahia, Federal University of 37
Bangladesh Academy for Rural Development 30
Bangladesh Agricultural Development Corp. 30
Bangladesh Agricultural Research Council 30
Bangladesh Agricultural University 30
Bangladesh Bank 31
Bangladesh Economics Association 31
Bangladesh Fertility Survey 31
Bangladesh, Government of 30, 31
*Ministry of Agriculture 32
Bangladesh Handicraft Cooperative Federation 30
Bangladesh Institute of Development Studies 31, 33
Bangladesh Rural Advancement Committee 30
Bangladesh Statistics Association 31
Bank Street College of Education 6, 7, 14
*Day Care Consultation Service 14
Barbados, Ministry of Health 38, 38
Bard College 3
Bariloche Foundation 37
Barnard College 3, 4, 5
Batelle Memorial Institute 47
Bayor College of Medicine 8
Bedford-Stuyvesant Restoration Corporation 10
Benedict College 2, 2
Benin, National University of 43, 43, 44
Bihar, Government of 31
Birla Institute of Technology and Science 32
Birmingham, University of 45
Birzeit University 44
Bishop College 2
Black Child Development Institute 14
Black Economic Research Center 51
Bolivian Catholic University 40
Bomay, Municipal Corporation of Greater 32
Books for the People Fund 8
Borica, Universidade 2 11, 12
Bosphorus University 45
Boston Theological Institute 5
Boston University 2, 30, 34, 47, 51, 51
Bourgouba Institute of Modern Languages 44
Bowdoin College 5
Bowing Green State University 50
Brasilia, University of 37, 37, 40
Brawijaya, University of 32
Brazil, Government of 37
Brazilian Association for Population Studies 37, 40
Brazilian Center for Analysis and Planning 37
Brazilian National Library 37
Brazilian Society for Instruction 37
British Broadcasting Corporation 2
British International Studies Association 49
Brookings Institution 10, 10, 16, 19, 23, 25, 48, 49, 51, 52, 53
Brooklyn Academy of Music 17, 26, 27
Brown University 47
Brussels, Free University of 45, 48
Bryn Mawr College 3, 4
Bulacan, Province of 34
*Bureau of National Affairs 25

CDCs see Community Development Corporations
CGIAR see Consultative Group of International Agricultural Research
Detroit, United Community Services of Metropolitan 54
Diller-Quaile School of Music 9
Dispensario San Antonio 10
Di Tella Institute, Torcuato 37
Document/Cos 28
Downriver Community Conference 54
Drug Abuse Council 10
Duke University 7, 8, 10, 17, 23, 47, 51, 52
*Institute of Policy Sciences and Public Affairs 7, 10

EDUCOM 3
East African Community 41
East Asia History of Science Trust 35
*East Los Angeles Community Union 12, 18
East Tennessee Research Corporation 15
Eastern Educational Network 24
*Eastern Regional Council for Educational Television 24
Economic Development Foundation 45
Economic Institute for Peace 49
Economic Research Development Corporation 39
Ecuador, Pontificia Catholic University of 37, 39
Edinburgh, University of 46
Education Commission of the States 3, 7, 8, 9
Education Development Center 7, 9
Education/Instruction, Inc. 14
Education Law Center 8, 9
*Educational Broadcasting Corp. (WNET) 19, 24
Educational Confederation 6
Educational Facilities Laboratories 9, 23
Educational Products Information Exchange Institute 8
Educational Testing Service 2, 3, 5, 8, 9, 53
Egypt, Government of 22, 44, 45
Egyptian Family Planning Association 44
El Salvador, University of 38
Emory University 46
*Empire State College 23, 49
*Empire State Report 17
*Energy Policy Project 21
Ensemble Studio Theatre 26, 26
Enterprise for Cooperation Toward Development 39
Environmental Defense Fund 20, 21
Environmental Law Institute 20, 21
Esser, University of 9
Europe, College of 50
European Institute for Advanced Studies in Management 6
European University Institute 49
Experimental University 6
*Exploratorium, The 6, 6

EFC Services 19
Fair Housing Council of Bergen County 14
Fair Housing Council of the San Fernando Valley 14
*Fairchild Foundation, Sherman 2
*Federal City Station Plan 25
Federal University of 2
*see distinct name
Federation of Private Universities of Central America 38
*Feminist Press 8
Fine Arts Museums Foundation 29
Fisk University 2, 2
Flatbush Community House for Youth 11
Flatbush Development Corporation 14
Florey Institute of Experimental Physiology and Medicine, Howard 46
Florida, State University 9
*Health and Rehabilitative Services Department 19
Florida State University 47, 50
Florida, University of 23, 24, 49
Focus: HOPE 54, 54
*Food and Agricultural Organization x, xi
For Responsible Media: Citizens Communications Center 16
Ford Hospital, Henry 54

*Forest Hills Community House 14
Former Members of Congress 16
*Forty-Second Street Local Development Corp. 17
*Forty Second Street Redevelopment Foundation Center 54
Foundation Center 54
Foundation Center for Research and Social Action 37
*Foundation for Cooperative Housing 19
Foundation for Environmental Research 37
Foundation for Higher Education 39
Foundation for Higher Education and Development 10
Foundation for Joffrey Ballet 28
Foundation for Management Education (Turkey) 45
Foundation for Management Education and Development (Indonesia) 32
Foundation for National Development 40
Foundation for Permanent Education in Colombia 39
Foundation for Public Legal Service 39
Foundation for Research on Educational Planning and Development 31
Foundation for Research into the Origin of Man 4
Free Southern Theater 29
Free University of 24, 49, 50, 52
Fund for the City of New York 54, 54
Fund for Justice 15
Fund for Theatre and Film 13

Gadzh Mada, University of 33, 34
*Population Institute 34
Gandhigram 32
Geneva, University of 9
George Washington University 6, 6, 13, 25
*Institute for Educational Leadership 6, 6, 25, 29
Georgetown University 16, 17, 20, 21, 23, 24
*Center for Strategic and International Studies 20, 21
*Institute for Public Interest Representation 17
*Law Center 17
*National Coal Policy Project 20
Georgia, University of 46
Ghana, University of 43, 44
Glasgow, University of 50
Goteborg, University of 46
Government College of Home Economics 34
Graduate Institute of International Studies 49
Graduate Theological Union 5, 53, 53
Granada, University of 50
Greater Dallas Housing Opportunity Center 14
Greater Hartford Process 16
Greater Newark Urban Coalition 9, 9
Greater Washington Education Telecommunications Associations (WETA) 24, 25
Growing Mind, The 18
Gujarat Institute of Area Planning 31
Gumma University 46
Guttmacher Institute, Alan 46, 47

Hamline University 23, 24
Hampton Institute 2, 2
Hansard Society 7
Hardtimes Movie Company 28
Hartford, University of 8
*Harvard Community Health Plan 18
Harvard, University of 3, 5, 6, 8, 9, 13, 14, 15, 20, 22, 31, 32, 32, 34, 35, 36, 41, 44, 46, 47, 48, 49, 49, 50, 51, 52, 53
*Center for Science and International Affairs 49
*Graduate School of Education 52
Hasanuddin University 33
Hawaii, University of 46
Hawaiian Coalition of Native Claims 13
Helsinki, University of 46

Henry Street Settlement 10
Higher Education Research Institute 3
Higher National School of Agronomy 43
Higher School for Public Administration 40
Hiroshima University 33
Hispanic Office of Planning and Evaluation 10
Hobart and William Smith College 28
Holy Names College 28
Home Education Livelihood Program 10, 12
Homelnders Listing Service 14
Homi Bhabha Fellowships Council 32
Hospital of Nutritional Diseases 39
Housing Action Council 24
Housing Opportunities Made Equal 14
Houston Ballet Foundation 28
Howard University 2, 13, 17, 51
Hull House Association 13
Human Ecology Research Foundation 38, 39
Hyde Park-Kenwood Community Conference 14

IRRI see International Rice Research Institute
Ibadan, University of 43
Ibero-American University 39, 40
Iceland, Ministry of Culture and Education 9
Ife, University of 43, 44
*Illinois Neighborhood Development Corporation 13
Illinois, State Department of Mental Health 6
Illinois, University of 9, 29, 36, 46, 49, 50, 52, 53
Ilongo, Provincial Government of 34
*Imperial College of Science and Technology 22
Independent Colleges and Universities of Indiana 3
Independent Colleges and Universities of Missouri 3
Independent Colleges and Universities of Texas 3
*Independent Documentary Fund 25
India, Government of 32
Indian Agricultural Research Institute 31
Indian Council of Agricultural Research 31
Indian Council of Medical Research 32
Indian Council of Social Science Research 32
Indian Education Training, Inc. 11
Indian Institute of Education 32, 34
Indian Institute of Management, Ahmedabad, Society 31, 32
Indian Institute of Management (Bangalore) 32
Indian Institute of Management, Calcutta, Society 32
Indian Institute of Public Administration 31
Indian Institute of Technology 31, 32
Indian School of Political Economy 32
Indian Statistical Institute 32
Indiana Repory Theatre 26
Indiana University 23, 29, 48, 50, 50
Indonesia, Government of 22, 32, 33, 34
*Ministry of Education and Culture 34
Indonesia, National Archives of 33
INFORM, Inc. 13, 25, 29
Indonesia, University of 33
Inner City Cultural Center 29
Institute of Advanced Studies of Administration 40
Institute of Agricultural Research 37
Institute of Andean Studies 40
Institute of Applied Manpower Research 32
Institute of Aquatic Resources 45
Institute for Art & Urban Resources 29, 29
Institute of Collective Bargaining and Group Relations 16, 18
Institute of Cultural Affairs 44
Institute of Development Studies 31, 36
Institute of Economic Research Foundation 37
Institute for the Future 49
Institute of International Affairs 50
Institute of International Education 31, 36, 38, 46, 47
Metropolitan Washington Council of Governments 14
Metropolitan Washington Planning and Housing Association 14
Mexican American Legal Defense and Educational Fund 13, 14
Mexican-American Unity Council 10, 18
Mexican Institute of Social Studies 39
Mexican-American University of the State 39
Mexico, College of 40, 47
Mexico, Government of 9
Mexico, National Autonomous University of 39, 46
Miami, University of 46
Michigan, University of 5, 5, 13, 36, 41, 46, 46, 47, 49, 51
*Center for Continuing Education of Women 5
*Population Studies Center 46
Milan, University of 46
Millsaps College 3
Mid-America, College of 5
Middle East Studies Association 45
Middle East Technical University 45
Midwest Association of Housing Cooperatives 46
Minas Gerais, Federal University of 37, 37
Minnesota, University of 10, 48, 49
Minority Rights Group 48, 48
Misericoardia 30
*Mississippi Action for Community Education 10, 18
*Mississippi Association of Private Colleges 3
Missouri, University of 23, 25, 35
Mitre Consulting 49
Monterrey Institute of Technology and Advanced Studies 39
Montreal, University of 49
*Morningside College 2
*Morris Brown College 2
Motom Memorial Institute, Robert R. 2
Mount Sinai School of Medicine 46
*Mountain View Center for Environmental Studies 6
Moving Image 28
Municipal Art Society of New York 26
Municipal Public Library of Greater Bombay 32
Museum of Fine Arts 29
Mysore, University of 32, 33
NAAEC Legal Defense and Educational Fund 13, 14
NAACP Special Contribution Fund 13, 41
NOW Legal Defense and Educational Fund 13
Nairobi (Calif.) 9, 9
Nairobi, University of (Kenya) 41, 41, 42
National Academy of Education 9
National Academy of Public Administration Foundation 16, 19
National Academy of Sciences 16, 19, 30, 51, 52
National Alliance Concerned with School-Age Parents 15
National Archives of Indonesia 33
National Association of Accountants for the Public Interest 51, 52
National Association on Drug Abuse Problems 10
National Association of Educational Broadcasters 24
National Association for Foreign Student Affairs 36
National Association of Housing and Redevelopment Officials 11
National Association of State Universities and Land-Grant Colleges 2, 3
National Audubon Society 22
National Autonomous University of ———, see distinctive name
National Behavioral Sciences and Opinion Research Institute 40
National Bureau of Economic Research 10, 12, 49, 49
National Catholic Conference for Interracial Justice 14
National Center for Housing Management 11, 54
National Center for Language Promotion of National Security 46
National Center for Voluntary Action 16, 19
National Christian Council of Kenya 41
National Civic Service League 16
*National Cooperative Policy Project 22
National Commission on Confidentiality of Health Records 53, 53
National Commission for Manpower 46
National Committee Against Discrimination Housing 13, 14
National Committee for Citizens in Education 8, 9
National Committee for Full Employment 51, 51
National Committee on Household Employment 13
National Conference of Black Lawyers 15
National Conference of Christians and Jews 7, 8
National Conference of State Legislators 9
National Council of Applied Economic Research 31, 31, 32, 33
National Council of Churches of Christ in the USA 13
National Council of Educational Improvement 39
National Council of Laza 13, 14
National Council of Negro Women 13
National Council of Organizations for Children and Youth 8
National Council of the Peruvian University 46
National Commission for Scientific and Technical Research 37
National Dairy Development Board 31
National Economic and Development Authority 8, 9
National Education Commission 35
*National Endowment for the Arts 25, 28
National Endowment for the Humanities 16, 26, 26, 36, 49, 54, 15
National Family Planning Coordinating Board 33
National Foundation for the Improvement of Education 8
National Housing and Community Development Law Project 11, 14
National Indian Training and Research Center 34
National Institute of Agronomic Research (Paris) 46
National Institute of Agronomy of Tunisia 44
National Institute of Culture 40
National Institute of Development Administration 35
*National Institute for Educational Research and Development 40
National Institute of Health and Medical Research 46
National Institute of Public Administration 40
National Institute of Public Finance and Policy 51, 52
National Jewish Commission on Law and Public Affairs 13
National Manpower Policy Task Force 13
National Municipal League 16, 19
National Neighbors 14, 15
National News Council 23
*National Nutrition Center 38
National Opinion Research Center 13
National Organization for Migrant Children 11
*National Organization for Women 8
National Planning Agency 38
National Planning Association 50
National Polytechnic Institute 39
National Quality of Work Center 13
National Research Center of the Arts 26
National Research Council of Thailand 33, 35
National Rural Center 16
National School of Agriculture 39
National Student Educational Fund 5
National Team Association for Rural Development 39
National Training and Development Service for State and Local Government 16
National Training and Information Center 11
National University of ———, see distinctive name
National Urban Coalition 9, 9, 16
National Urban Fellows 37
National Urban League 13, 14, 15
National Women's Educational Fund 14
Native American Rights Fund 13
Natural Resources Defense Council 20, 21
Nature Conservancy of Canada 22
Navajo Tribal Council 8
Negro Ensemble Company 26
Neighborhood Housing Services 8
*Pittsburgh 11, 13
Neighborhood Housing Services (Wash., D.C.) 11, 13
Neighborhood Housing Services of Baltimore 11
Neighborhood Housing Services of Chicago 11
Neighborhood Housing Services of the USA 11
Nelson Gallery Foundation 29
Nepal, Government of 35
*New American Plays Program 26, 26
New Federal Theater 29
New Hampshire, University of 9, 9
New School for Social Research 10, 17, 49
*New York Ballet 28
New York City Board of Education 8
New York City Municipal Society 10
*New York City Opera 28
New York, City University of 2, 5, 17, 50
*New York Shakespeare Festival 17
New York, Special 1
*Department of Education 4
New York State Alliance to Save Energy 20
New York, State University of 3, 5
New York University 13, 29, 46, 49
New York, University of the State of 3, 4, 5
Newark Community Center for the Arts 29
Newcastle, University of 46
Nigeria, East Central State of 44
Nigeria, Government of 44
Nigeria, University of 44
Nigerian Institute of Management 44
Nineteenth Ward Community Association 14
North Carolina, University of 47, 48
*Northeast-Midwest Economic Advancement Coalition 11
Northeastern University 8
Northern Illinois University 46
Northside Center for Child Development 15
Northwestern University 23, 24, 25, 41, 41
Notre Dame Educational Association 34
Notre Dame, University of 2, 13, 51
Nottingham, University of 49
*Nuclear Energy Policy Study 20, 21
Oak Park, Village of (III.) 14, 15
Ober, Inc. 33
*Office for the Advancement of Public Negro Colleges 3
Office of Interdisciplinary Studies 39
Ohio State University 35
Oklahoma for Indian Opportunity 11
Organization for Applied Science in Society 54
Organization for Economic Cooperation and Development 67, 49, 49
Oulu, University of 46
Overseas Development Council 47, 48, 49
Oxford University 32, 40