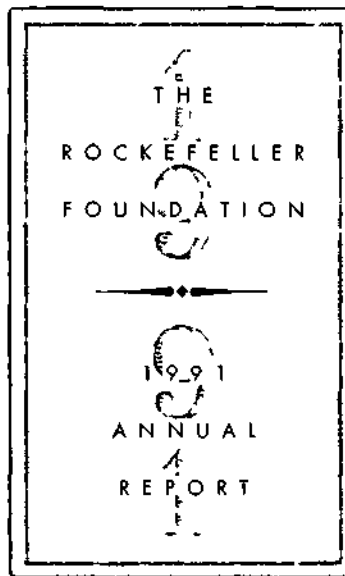


**PRESIDENT'S REVIEW
& ANNUAL REPORT
1991**

The surrealistic blue haze of burning tropical rain forest signals a choice made in one of the great dilemmas of our time – on one hand, the need to preserve forest, an irreplaceable storehouse of genetic diversity and an important curb on global warming and local erosion; on the other hand, the search by ever increasing numbers of poor families for pieces of land on which they can grow enough food to survive. The cleared land typically yields two or three life-sustaining crops and then the soil fails and the cycle of move, slash and burn, and plant must be replayed. Slowly, new thinking about a wide range of development issues is recasting the old choices and producing new, more satisfactory alternatives. A number of these are described in this annual report.

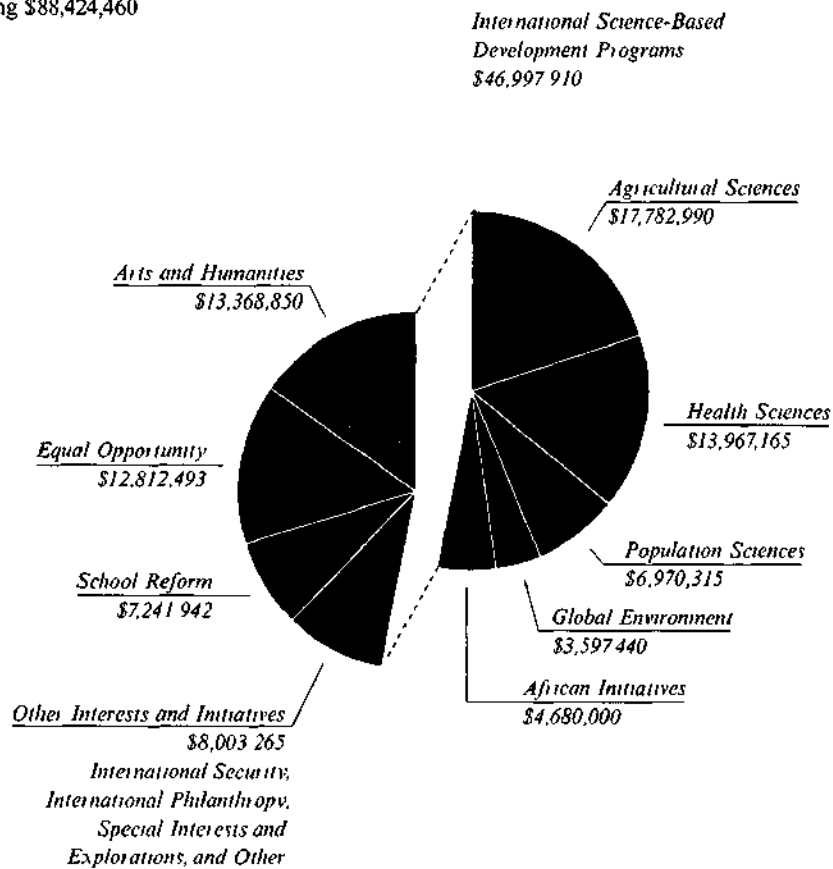


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ISSN 1052-8881

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Grants And Fellowships 1991
 This chart depicts – by program and division – the grants, appropriations, and fellowships approved in 1991, totalling \$88,424,460



INTRODUCTION



The Rockefeller Foundation is a philanthropic organization endowed by John D. Rockefeller and chartered in 1913 "to promote the well-being of mankind throughout the world." It is one of America's oldest private foundations and one of the few with strong international interests. From the beginning, its work has been directed toward identifying and attacking at their source the underlying causes of human suffering and need.

Today, the Foundation offers grants and fellowships in three principal areas: international science-based development, the arts and humanities, and equal opportunity. Within science-based development, the focus is on the developing world and emphases are on the global environment; on the agricultural, health, and population sciences, and on a very limited number of special African initiatives. The Foundation also has smaller grant programs in international security and U.S. school reform.

The Foundation concentrates its efforts on selected programs with well-defined goals, but tries to remain flexible by adjusting its course to reflect new needs and opportunities as they arise. In addition, the Foundation maintains the Bellagio Study and Conference Center in northern Italy for conferences of international scope and for residencies for artists and scholars.

The Foundation is administered by its president through a staff drawn from scholarly, scientific, and professional disciplines. An independent board of trustees, which meets four times a year, sets program guidelines and financial policy and approves all appropriations.

Information on how to apply for grants and fellowships begins on page 110

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THE
PRESIDENT'S
STATEMENT

All through 1989, 1990, and 1991 we were transfixed by events in other parts of the world. In 1989 we saw the Berlin Wall come down. In 1989 and 1990 we saw hope crushed in Tiananmen Square and we saw it reborn in South Africa. In the beginning of 1991 we followed a war fought in the Middle East through images of cross-hairs, explosions, and rockets on TV screens that shielded us from the agony of pain and violence. And at the end of 1991 we watched the dissolution of a vast Eurasian union based on coercion and witnessed the creation in Western Europe of a union built on voluntary association, awkward gradualism, and pragmatic compromise.

Now, after these years of witness and surprise, something else has started to happen. It's there to see in a careful reading of current events, but I find the evidence has greater depth, heightened urgency, and a distinctly human dimension in the proposals that the Foundation

receives and the programs we support, whether they address persistent poverty and school reform in cities across the United States or look back at America from the third-world prism of our Science-Based Development program. Americans, like others around the world, are learning uneasily that

we, too, have fundamental adjustments to make and a new vision to forge. An America that had been complacent and satisfied in the eighties now becomes uneasy and troubled. America is uncertain about its role in world affairs, worried about its economy, divided by race, impoverished by the assault of special interests, anxious about environmental degradation, indifferent to the plight of the poor, and uninformed by any common understanding of the public interest. America's vital sense of her own fairness is eroded.

For 78 years the Rockefeller Foundation has assisted those who could analyze and address the root causes of major problems, domestically and internationally. Three years' experience



as part of this undertaking reinforces my conviction that the country's needed new vision must start with the relationships of obligation, opportunity, and responsibility among individual Americans and how these interact to shape what we once understood instinctively as a "social contract." This vision and this contract will have to have a global dimension based on cooperation and tolerance rather than preeminence and conflict.

This fall, in a speech at the Independent Sector's annual conference, I took a first cut at this matter of social contract, and it has been often on my mind since. My thinking is still evolving, based on experiences shared with me by our current and former grantees and fellows wherever I go – from Cleveland to Los Angeles, from London to Jakarta, and all points in between. This matter of a new social contract and its global dimension has become an important element in my own thinking about the work of this foundation, and that is why I return to it in this annual review.



The social contract deals with fundamental human concerns: work, education, security, opportunity, responsibility, community. The social contract centers around who has the obligation to do what in our society. It is written down nowhere, but underlies everything. It is based fundamentally on values, expectations, and obligations that are expressed partially in our laws, but which in fact run much deeper than any particular legislation.

Our constitutional system is uniquely amenable to changes in the social contract. It sets a flexible framework for the operation of our democracy and insists on restraints on the exercise of power without prescribing specific social and economic results. This is the genius of our system: a fixed framework, the Constitution, which is able to host an evolving set of social realities, needs and values; the two combine to permit successive social contracts within continuity of political procedure.

Often the American social contract comes up for reformulation when the strain of a new and difficult time sets Americans to reexamining the terms under which they live with one another. In this century, the broadest readjustment in the social contract came during the

Roosevelt administration, when the New Deal codified many of the understandings that emerged from the Great Depression. That contract was in turn sharply restructured in the crucible of the civil rights revolution of the sixties and early seventies. In the eighties, few were really happy with the old social



contract, which had begun to unravel, but no one was ready yet to propose a new one. Instead, we bashed our government, cut taxes for the rich, borrowed from our children, grew more intolerant, and pushed and elbowed ourselves ever more tightly into social and political gridlock. We did not hear much about what we together, as Americans, ought to expect from and do for one another directly or through our government, we heard rather that government was a bloated obstruction that stood between us and what we should take for ourselves. In the eighties, we forgot how to think together, reason together, and act together.

And now, for the first time in our history, the reworking of the American social contract will have to take place in alignment with an inescapable set of new forces and realities functioning on a global scale. America has been worn down, but hopefully not worn out, by four decades of the Cold War. The task of forging a new vision is one we have in common with Russians who must reinvent both their economy and their political system, with Africans who have determined to find a way out of the autocracy of a single race or party, and with Latin Americans who are turning from dictatorship and civil war to democracy and compromise.



I believe that we will endure much conflict, with little chance of collaboration either at home or abroad, if we cannot write a new social contract. The old one is in tatters – and America will continue to falter and stumble until she has a new one. The debate and inquiry necessary to do this must begin at home. The act of redefinition must begin with our roots and values and spread outward from there. And it cannot stop until we find some accommodation to the new global realities.

Possibilities
For A New
Social
Contract

No one can predict with precision the terms of the new social contract that will emerge. But they will be the results of thought and idealism as well as of historical requirements and realities. Here are some possibilities to consider.

Number One An understanding that each generation serves as trustee for succeeding generations. This is true not only for our society, but also, we now know, for our planet. No generation has the right to plunder the store of resources on which succeeding generations must rely. This idea drives the Foundation's co-sponsorship of the Energy Foundation in the United States, but its expression is even broader. It is true for our infrastructure and our

health as well as the environment. Every bridge not maintained, every child not immunized, every aquifer not protected – every one of these is a form of borrowing or, in some cases, theft from our children.

As a start, we must repay where we have borrowed and save where we have spent. We must build where we have accepted deterioration. Our new social contract must be based on investment and discipline, on some rough sense of intergenerational fairness. In practical terms this will mean sacrifice in current consumption in order to begin the rebuilding.

Number Two. A commitment to providing a quality education for every American child as a matter of right. Public education has always been the cornerstone of the American dream. We should have been alarmed immediately, when schools began to fail; we should have seen clearly that the public school would be a critical, life-defining passage for many children as the global economy became more competitive.

Though we have long had a system of universal public education, our previous social contract did not foresee that circumstances would change. We did not foresee that whole groups of schools would become dysfunctional, that some children would need special support to learn, or that education would become a life-or-death gateway to further advancement. The lessons from the Foundation's programs attempting to understand the phenomenon of an underclass in this country, as well as our school reform program itself, have convinced me: our new social contract should guarantee every child in this country access to a school that works and that prepares children for the test of creativity, performance, and cooperation that America's increasing cultural diversity as well as the global economy impose on us all.



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Number Three. A deep commitment to the work ethic and the proposition that society should make at least an entry-level job available to everyone who wants to work and obeys the law; and in return, the expectation by society that everyone who can work will work, as a condition of enjoying the full complement of public benefits the society offers.



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Today, perhaps as many as 10 to 15 million people who want to work can't. They can't find work by moving to a big city, they can't find it by working as a casual laborer on a farm, they can't find it by joining the armed services if they can't meet the newly raised standards. They simply can't find regular entry-

level work, period. And those who do cannot support a family or keep it healthy on the income from it. The heart of the new social contract should be an agreement that says to every able-bodied American adult: we expect you to work; we will make sure you have that chance, and with that job you will earn a living wage. The findings in Foundation-supported research on the underclass issue is that jobs with living wages are crucial to the ability of people to get out and stay out of the underclass.



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Number Four. Commitment to the principle that every American has the right to quality health care at an affordable cost. We should no longer stand with South Africa as the only industrialized societies without a fair system of national health insurance.

We must limit our targets to what we can address effectively, and domestic health care isn't

within the present compass of the Foundation's programs. But it should be within the compass of the next American social contract.

Number Five. Broad recognition that removal of the barriers that give some kinds of people built-in advantages over others is vital in a pluralistic society.

By this, I mean affirmative action.



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Affirmative action, as I have said before, is today a gut-wrenching, teeth-grinding issue. We have to start by acknowledging that affirmative action is *designed* to provide an advantage to groups of people who don't have it. When you spend \$200,000 on handicap-access ramps, that \$200,000 is not available for escalators, 50 more parking slots, lower taxes, or anything else. The jobs for which you make a special effort to seek out black or Latina women will not go in the same numbers as before to white men. It is precisely where systems are closed to one group and open to others that affirmative action comes into play.

Ideologues are trying to pervert this issue. The purveyors of prejudice and the dispensers of divisiveness insinuate that affirmative action is about taking things away from people who have earned them fair and square in open competition and giving those things – an apprenticeship, a slot in law school, a lieutenantcy in a fire department – to others without regard to merit. If we permit them to get away with this deception, we will soon be tearing ourselves apart.

Affirmative action is about breaking down barriers – barriers erected, often long ago, on the basis of race, gender, religion or some other characteristic not



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rooted in merit. I can remember when there were no policewomen. There are still union locals where a father can pass his job directly to his son. And there are precious few minorities in the upper reaches of the major institutions of our country, including banks, law firms, universities, and corporations. As long as barriers exist in our society, we will need this distinctly American institution. The Foundation is committed to this principle in its own employment practices and governance, and expects no less of its grantees.

Global And
National
Linkages



As the president of a foundation whose corporate charge is the promotion of well-being "throughout the world" and which has functioned internationally since its beginnings, I am acutely conscious of how these American challenges are linked to global realities and imperatives:

- The gap between rich and poor in our society mirrors that in the world at large between rich and poor countries, and also that between rich and poor within other countries. The largest source of funds to close those gaps is the more than one trillion dollars spent worldwide on arms each year. The superpower Cold War that fueled most of those military expenditures in the first, second, and third worlds has now ended. I believe America's new vision must be powerful enough to guide the reallocation of these military expenditures domestically and to participate thoughtfully and effectively in redirecting them in the international arena.
- To allow individuals, and families, and communities all over the world to develop will require a new balance between human enterprise and environmental imperatives. This concept forms the core of the Foundation's Global Environmental Program, and reflects emerging opinion in developing and industrialized countries alike. To make those changes in how we use land and water, how we generate and consume energy, and how we produce and treat waste will require immense changes in the economies and policies of both the North and the South. For both North and South are now on roads which will lay waste the earth and rob future generations of opportunity. The massive changes required are internal to each society, but linked by the common framework of global resources and limits and the imperative for international cooperation.
- The desire for individual betterment and the reality of development and environmental constraints will make it vital that all individuals and families have the right to choose the



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number of children they desire. This is a need in New York, Marseilles, and Alma-Ata as much as it is in Nairobi, Islamabad, and São Paulo. At home and abroad, as in the aspirations of our own Population Sciences division, children of the future must be children of hope, not despair, and children of choice, not chance.

- A fundamental component of individual and community improvement is access to education. Our international work confirms that this is particularly important in parts of the world where young women do not have such access on equal terms with young men. Education affects health, it affects responsibility, it affects dignity, it affects choice about family size, it affects family income, and it affects development. At home in the United States access to an education that works affects access to a job and mainstream opportunities which lead away from the dead end of prison or the curse of drug addiction, and it affects the chance for the country as a whole to compete in a world where the key variable in success will be human knowledge and skills, not raw materials or consumer spending.



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The work of the Rockefeller Foundation threads through these issues in fundamental ways, as reflected in the Program Highlights section in this report. These programs teach us that the line between what affects America and what affects the rest of the world has become harder to discern. America is a porous, polyethnic society in a world united by economic forces, environmental realities, migration flows, global telecommunications, the quest for democracy, and the growth of pluralistic, non-governmental centers of innovation and initiative. We Americans are no longer just nationals trying to prepare our country for the future. We are also world citizens caught up in the same surge of energy and hope that has swept through Tiananmen Square, Johannesburg, Moscow, Central Europe, and Central and South America.

Lessons To
Shape The
Vision



And so this is how we will start to shape the new vision, by thinking about things that make us uncomfortable, things that seem unfamiliar, by talking about things that have to be done, realities that have to be faced, investments that have to be made, at home for Americans, globally for us all.

To start, we find everywhere new lessons to learn. I close with two: one from the war in the Persian Gulf, and one that confronts me every day as I come out of the subway on my way to work.

As I write these words, workers in Iraq are pouring concrete to rebuild the nuclear weapons laboratories that were destroyed in the Persian Gulf War a year ago. That war reflected old problems, not new approaches. It reminds us of the lack of any regional collective security mechanism; it reveals once again the dangerous maldistribution of resources and wealth in the Middle East; it underscores the lack of any energy policy in the United States; it exposes the weakness of existing controls on the spread of technologies of mass destruction; and it makes grimly clear the reckless complicity of the Northern powers in the supply and construction over the previous decade of the installations they felt obliged to destroy last February.



But the most urgent lesson is that with the end of the Cold War we must all move swiftly and with extraordinary firmness to impose international controls and tough verification regimes on all weapons and technology transfers. One set of limits and controls will have to apply to all, North and South alike; no other approach stands even a remote chance of acceptance.

The second lesson comes in the form of a daily reminder of how much hard work is ahead for America. We who work at the Rockefeller Foundation in New York City live near the infamous "debt clock." A block from our offices is a large sign that flashes in lights the running total of America's public debt. For those of us who glance up nervously from time to time it is a depressing reminder of the balance due at the end of a domestic era that seems to be closing in disarray, greed, and pessimism. The amount of debt per American family grows every week at a frightening rate, and represents a bill that will be paid by our children.



So while we wince at the sounds and scenes of war and its aftermath on our television sets, and at the debt clock's second-by-second accounting of our own profligacy and self-indulgence, we should at the same time welcome the discomfort and nervousness that they arouse. These stirrings are the first few harbingers of hope that we may be ready at last to reset the clock and to search out the hard course of global cooperation that will be required to keep the terms of the new social contract we must enter into among ourselves, and with our children – all over the world.

Pete Goldmark

President's Statement



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INTERNATIONAL PROGRAM
TO SUPPORT SCIENCE-BASED
DEVELOPMENT



The mission of the Foundation's Science-Based Development program is to help the developing world increase its capacity to use and benefit from the agricultural, health, and population sciences, and to respond to challenges to the global environment. The objective: to help developing countries use, on their own terms, modern science and technology in ways that are environmentally sound to increase their people's access to food, health, reproductive choice, education, and life's other essentials.

The Global
Network For
Environment
And
Development

The interlocking development and environmental challenges facing today's world are greater and more complex than any one country or region can address effectively. Needed is a generation of men and women armed with the tools and attitudes required to embrace environmental protection and equitable development as integral parts of a single process – people able to address the problems of their own nations but also prepared to cross boundaries and collaborate to protect shared global resources.

The Foundation, working with a number of other institutions and organizations, this year established the Global Network for Environment and Development to nurture a group of young professionals, in key countries around the world, that will be prepared to meet this challenge. Over the years, the Global Network program will:



Results from the fields of the International Center for Research in Agroforestry, in Nairobi, and cooperating national research programs are prompting developing world farmers to select specific tree species and grow them along with food crops to gain one or more of a wide variety of benefits, including erosion prevention, soil enrichment, animal fodder, and firewood and building materials for consumption and cash.

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- work closely with senior advisors in a select number of countries, in both the North and South, to identify talented mid-career professionals from science and universities, government and public service, business and industry, and civic and non-governmental organizations;
- provide this cadre with the information, analytic tools, and personal linkages needed for the design of national and cross-national development strategies that avoid inefficient energy practices, atmospheric pollution, deforestation, biodiversity loss, desertification, soil erosion, groundwater depletion and contamination, and related insults to the world's biofilm; and
- offer opportunities for the fellows to examine issues arising from the inequalities in power and resources between world regions, especially as they impede opportunities for equitable development to emerge from international agreements, trade patterns, investment practices, and capital flows.

In Brazil, Indonesia, Mexico, Nigeria, and the Commonwealth of Independent States (formerly part of the Soviet Union), national steering committees have been formed. In meetings this year, host institutions for the program have been selected or are being established, and national curricula are being developed. Selection of initial Global Network candidates is scheduled for next year. Work is also under way to include China and India. An International Steering Committee, formed this year, oversees and advises the overall program.

Candidates selected for the program in each country will spend two years as Associates, continuing to pursue their primary career responsibilities, but spending a total of eight weeks in each of the two years in workshops, seminars, and field visits. Those who successfully complete this phase will become Fellows and be eligible to compete for more specialized national activities and interna-

tional exchange and learning opportunities.

An appropriation this year provides start-up funding for a pilot program of international cooperation on electrical energy efficiency in developing countries. The first project is in Jamaica, conducted by the local utility, Jamaica Public Service Company, with assistance from the Conservation Law Foundation of Boston and the New England Electric System.

The pilot involves retrofitting a number of commercial and residential buildings to increase electrical efficiency – installing, for example, more efficient lighting, cooling, pumps, and other equipment. Data on the cost of the retrofitting compared with the energy it saves will be used to determine the feasibility of using a nationwide demand-side strategy to save sufficient electrical energy to meet Jamaica's projected new energy needs over some number of years.

An earlier, preliminary analysis, "Power by Efficiency," estimated that by implementing a full set of electrical energy efficiency projects and programs over 15 years, at a cost of \$80 million, Jamaica would reduce the capital needed to meet its power requirements by \$255 million; realize savings of \$88 million in fuel imports; and avoid environmental damage estimated at hundreds of millions of dollars by reducing emissions – 9 million tons of carbon dioxide, 145,000 tons of sulphur dioxide, and 40,000 tons of nitrogen dioxide.

THE INTERNATIONAL ENERGY Initiative (IEI) was created this year to connect national and international institutions for the pursuit of developing-country projects based on the efficient production and use of energy, especially those incorporating renewable energy sources. In addition to facilitating the planning, financing, and implementation of specific projects, IEI will offer training, analysis, and other forms of technical assistance.

Promoting
Energy
Efficiency

It was incorporated, with Foundation assistance, as a nonprofit, global entity with leadership from the developing world.

The Energy
Foundation

Thirty-seven organizations received 49 grants this year totalling \$6.6 million to be paid out over the next three years by the Energy Foundation, which completed its first year of operations encouraging energy efficiency and the use of renewable energy sources in the United States.

The grants support a wide range of projects to improve energy efficiency regulations, policies, and practices in industry, particularly the electric utilities; in residential and commercial buildings; and in the transportation sector. Other grants are to study and promote wind, solar thermal, and biomass power generation and to increase understanding of the economic, environmental, and international security dimensions of energy issues.

The Energy Foundation was created and is jointly funded by the John D. and Catherine T. MacArthur Foundation; the Pew Charitable Trusts; and as a complement to the international thrust of its other environmental initiatives, the Rockefeller Foundation.

Brazilian
Biomass
Project

Two grants this year underwrote a South-North collaboration on the pre-feasibility analysis of a new approach to producing electrical power that appears to be cost-competitive, environmentally sound, and especially suitable for rural areas of the developing world. The idea is to generate electricity with a gas turbine, which is an adaptation of an aircraft jet engine, and to power the turbine with gas produced directly from biomass fuel – wood from nearby short-rotation tree plantations (or sugarcane or other agricultural residues).

An engineering firm in Rio de Janeiro is coordinating the project on behalf of a consortium of companies and the Brazilian government. The Environmental Enterprises

Assistance Fund, in Virginia, is providing assistance with marketing, commercial readiness, and regulatory, social, and environmental issues. The pre-feasibility analysis, underwritten by the Foundation, resulted this year in a \$7-million grant from the Global Environmental Facility (GEF), a fund administered by the World Bank, the U.N. Environmental Programme, and the U.N. Development Programme. With these funds, all the necessary studies and plans are being completed for a commercial-scale power plant of approximately 30 megawatts – enough electricity for a small U.S. town. The GEF also earmarked an additional \$23 million to build the plant if the final studies and plans are acceptable.

There are still technical as well as procedural hurdles that must be overcome; even then, financial and commercial questions abound. But if successful, this technology would not only generate needed energy at competitive costs using renewable, readily-available fuel, but would also promote rural employment, increase participation of private organizations in energy production, and create new economic opportunities to use marginal lands in Brazil and other developing countries.

Rice
Biotechnology

Since 1985, \$40 million and about half of the Agricultural Sciences' staff efforts have been devoted to rice biotechnology for Asia. This emphasis has been driven by demographics and the importance of rice as a food source: (1) over 70 percent of the world's poor live in Asia, and although average per capita incomes are increasing, the number of poor in the region is expected to be about 800 million by the year 2000; and (2) rice provides more than a third of food calories in China and India, and nearly half elsewhere in Asia.

Genetic improvements, using traditional plant-breeding techniques, and their widespread adoption by farmers over the past three decades, have increased per capita rice production and reduced the real price of rice in



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Asia. But Indonesia, China, and other Asian countries are already exhausting the potentials of available rice technology, while billions of people will be added in the region before population stability is reached.

Biotechnology – through cost-effective, sharply focused genetic modification of rice – has the potential to help Asia produce the food it will need for the 21st century. The Foundation's effort is directed toward this end through activities in four areas:

1. *Direct capacity-building.* Thus far, 121 developing-world scientists have been awarded fellowships for advanced work in biotechnology. These include 20 recipients of Biotechnology Career Fellowships, who each year spend three months away from their home institutions participating in research at premier laboratories. In rice-dependent countries having few researchers with the scientific grounding needed to take advantage of biotechnology, the program also provides grants for laboratory work as well as short training courses in specific techniques.

2. *Genetic engineering.* A number of potentially useful genes have now been cloned from rice, including genes for substances that degrade the cell walls of harmful fungi; genes to enhance nutrition; and genes that induce protective responses to drought, cold, salinity, and other stress conditions. And some of the genes cloned from other organisms, inserted into rice, may provide resistance to harmful microorganisms. Indeed, the next step – the first transfer of potentially useful genes into rice plants – has been accomplished using genetic material from the most destructive virus affecting rice.

3. *Biosafety.* An important aspect of the program is the pursuit of appropriate regulations and guidelines to ensure the technologies created are environmentally safe. A joint program with the U.S. Department of Agriculture, for example, is helping developing countries to identify and establish appropriate

plant biotechnology regulations.

4. *Economic analysis.* Intensive, field-based studies in seven Asian locations – some where earlier “green revolution” rice varieties were adopted, others where they were not – have documented the broad adoption of those technologies irrespective of farm size or tenure, and the increases in demand for labor resulting from them. Other consequences and the distribution of earnings to laborers, farmers, and landowners have also been documented. Many of the Asian researchers who conducted these studies are now helping to determine the priorities for rice biotechnology in their countries.



Although the Foundation's crop biotechnology program has been largely focused on rice and in Asia, an appropriation this year is extending the program to Africa and Latin America. This new effort is designed to take the first step in building the base for such work by offering mid-career training in modern biotechnology and the relevant basic sciences for individuals who already hold positions involving significant research and teaching responsibilities in more traditional agricultural sciences.

In Africa, the training courses are being designed for faculty members and scientists from agricultural universities, colleges, and agencies in Kenya, Malawi, Uganda, and Zimbabwe, where the Foundation is already committed to capacity-building in agricultural research generally.

In Latin America, two training efforts are planned. One, on the biotechnology of tropical crops, will be open to agricultural scientists from throughout the region and be based at the International Center for Tropical Agriculture in Colombia. The other course is primarily for agricultural scientists from Mexico who are collaborating with U.S. scientists in research on biotechnology transfers, including the Foundation-supported transfer

Biotechnology
In Africa And
Latin America

Forum For
African
Agricultural
Research

of a potato variety genetically engineered for resistance to a major viral disease.

Another major focus for the Foundation's Agricultural Sciences activity is eastern and southern Africa, where the principal producers of food are smallhold farmers, many with less than five acres of cropland. A 1991 appropriation will enable selected university faculty members and their graduate students in the region to conduct problem-oriented research that can help these farmers improve their productivity. This work, supported by a competitive grants program, will focus on agronomy, cropping systems, and soil, land, and water management. It complements existing national research institutes' emphases on genetic improvement of specific crops. Building on the successful model of the Foundation-supported African Economic Research Consortium, the program design for this new Forum on Agricultural Resource Husbandry includes:

- guidance in setting Forum policies and research agenda from an advisory committee of prominent local specialists in graduate training and national research operations;
- assistance with project preparation from a technical committee of recognized experts, and a well-structured peer review process involving evaluation and modification at each stage of the cycle of project preparation, execution, and write-up;
- an annual meeting of current and past grantees and of technical resource persons; and
- modest institutional grants to teaching departments for such items as microcomputers, photocopiers, and books.

The Economics
Of Forests
In India

Since India gained independence in 1947, extensive cutting has taken place in government-owned forests, and the weakening of traditional controls over village common land has led to millions of acres of agricultural and grazing lands being degraded.

The rehabilitation of forests, pastures, and marginal rain-fed land almost always requires agroforestry or forest land-use technologies which, to be successful on a broad scale, must offer economic returns.

Barriers to action include open-access property rights and the long periods in which capital investments must be managed and protected, both of which are characteristic of forests and other natural resources. There are also equity considerations, because the livelihood of many millions of poor people depends directly on open access to grazing, water, fuel wood, and other forest resources. Furthermore, some forest products now command distorted prices, and their true values are still unclear in the absence of careful analysis by resource economists who understand the importance of non-market resource allocation mechanisms.

With Ford Foundation funds, Winrock International and the International Center for Research in the Semi-Arid Tropics have been working at three of India's agricultural universities to build a network for research and graduate education in resource economics, focused initially on soil and water conservation. A 1991 appropriation from the Rockefeller Foundation will be used to expand the scope to include forestry economics, and to expand the network itself by involving a number of India's social science research centers.

A long-term, worldwide program to mobilize resources and develop an "ideal" vaccine for children was launched in 1991 by the United Nations Development Programme, UNICEF, the World Health Organization (WHO), the World Bank, and the Foundation.

This Children's Vaccine Initiative (CVI), in addition to representation from the Foundation's divisions of Health Sciences and Population Sciences, includes national and multinational aid agencies; vaccine manufac-

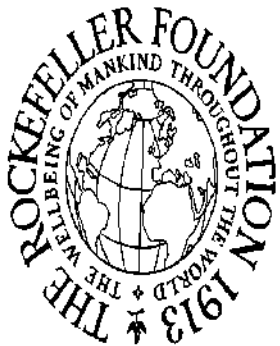
Children's
Vaccine
Initiative



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Field studies and health surveys are among the research activities of the 27 developing-country medical school units in the Foundation-supported International Clinical Epidemiology Network, known as INCLIN

The Biomass Users Network is funded, in part, to assist developing countries exploring possible new products for their sugarcane industries, including livestock feed, paper, and fuel for generating electricity



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Only one in ten girls of secondary school age in sub-Saharan Africa is enrolled in school. A research grant program was launched this year for returning African education scholars interested in greater female participation

A brief report by Foundation officers on efforts to stabilize world population was published by The New York Times item "Voluntary family planning programs could well prove to be the most cost-effective investment there is in international development assistance"



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Extensive staff and grant support has gone into helping developing countries gain access to scientific information and experts in preparation for the 1992 UN Conference on Environment and Development

One of the goals of the new global Children's Vaccine Initiative is to hasten the development of oral, rather than injected, vaccines. Another is to eliminate the need for refrigeration, a constraint on use of the polio vaccine shown here



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turers and representatives of the scientific community from around the world; such interested voluntary organizations as Rotary International; and representatives of ministries of health from developing countries, where the need for vaccines is greatest but their costs present serious and sometimes insurmountable barriers to their use.

An ideal children's vaccine would protect against all the viral and bacterial diseases for which there are now vaccines – polio, measles, tuberculosis, diphtheria, whooping cough, and tetanus – and add protection as it becomes available against hepatitis, meningitis, acute respiratory infections, diarrheas, AIDS, and the major parasites. It would be an oral vaccine; require one or two, rather than multiple, doses; be given earlier in life than most current vaccines; retain its potency during transport and storage without refrigeration; and be affordable for developing countries. If reaching the ideal is necessarily a long-term goal, there is at least a strong consensus that major strides are achievable in the immediate future.

The first general meeting of the CVI, held in Geneva just before the end of the year and chaired by Professor O. Ransome-Kuti, the Nigerian minister of health, drew 130 participants from 36 countries to discuss promising reports on microencapsulation and its application in vaccine development, genetically engineered and combination vaccines, and other scientific advances relevant to new vaccine development. Plans were also made for the first Product Development Groups, which focus on a single-dose tetanus toxoid vaccine; a heat-stable oral polio vaccine; and an effective measles vaccine that can be administered early in life.

capacities to use the science of epidemiology. This science, in combination with biostatistics, economics, and the social sciences, offers powerful analytic tools for studying and understanding the incidence, distribution, treatment, and control of disease in populations.

For example, research in the 27 clinical epidemiology units (CEUs) that have been established in the medical schools of 16 developing countries includes clinical trials in China evaluating traditional medicine; studies on malaria transmission in the western highlands of Kenya; a household survey in a Mexican community exploring antibiotic misuse in the treatment of diarrhea; and an effort to determine the prevalence and type of HIV infection among Brazilian prostitutes and their sexual partners.

This year, fundamental structural changes in INCLEN gained momentum as the roles of the Foundation and the Network's initial training centers in the industrialized world diminished. The organizational center of gravity shifted to INCLEN's own corporate headquarters and to the 27 clinical epidemiology units (CEUs) that have been established in the medical schools of 16 developing countries.

INCLEN now has an increasingly broad base of support that also includes the Australian International Development Assistance Bureau; the International Development Research Centre, of Canada; Foundation Merieux, of France; USAID; and WHO. It has been established as an independent, nonprofit organization with its own international board and staff operating out of offices in Philadelphia. In addition, faculty in the CEUs have formed regional associations in Latin America, Thailand, China, and India.

In addition, CEUs in Colombia, Indonesia, the Philippines, and Thailand were approved in 1991 for development as training centers to prepare faculty from other medical schools in their regions, and other of the original CEUs are expected to become training centers in the future.

International
Clinical
Epidemiology
Network

The Foundation's largest and most ambitious Health Sciences enterprise has been INCLEN, the International Clinical Epidemiology Network begun in 1980 to help developing countries increase their

An estimated 10 million persons worldwide are now infected with human immunodeficiency virus (HIV), which eventually results in the fatal acquired immunodeficiency syndrome (AIDS). Over 85 percent of those infected live in developing countries. WHO experts project there will be close to 40 million HIV-infected persons by the year 2000, with 90 percent of them living in developing countries.

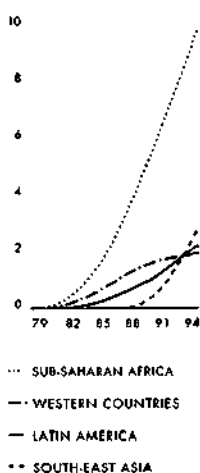
According to WHO sources, the incidence of HIV infection in North America and Europe is expected to peak in the mid-1990s. But in the developing world, HIV transmission continues at an increasing rate.

HIV infections have spread heterosexually in Africa via such high-risk groups as prostitutes, truck drivers, traders, and travellers, and now are widespread in the general urban and rural populations. Women are more likely to be infected than men – over 80 percent of the infected women in the world live in sub-Saharan Africa. They tend to be infected in their teens and early twenties, the peak of their reproductive cycles, and in some urban centers one in four pregnant women is infected.

Because up to one third of the infants born to infected mothers will themselves be infected, there also is an enormous problem with pediatric HIV infections in Africa. Even the siblings who escape infection are at high risk, for mortality rates in this population group are expected to rise from a variety of causes as these children lose their mothers to AIDS. And AIDS, unlike other causes of parental death, often strikes both parents – and in polygamous societies, the other wives in the family as well. Over 10 million AIDS orphans are expected in Africa by the year 2000.

In Asia, widespread HIV transmission did not begin until the mid-1980s. However, current WHO estimates place the number of infections there at more than one million, following an exponential spread of the virus via drug use and prostitutes. Because of Asia's large population base, if current rates of spread are not slowed, the annual number of HIV infections there will probably exceed those in Africa some time during the late 1990s.

CUMULATIVE
ADULT HIV INFECTIONS
(ESTIMATES/PROJECTIONS
IN MILLIONS)



MOST PRIVATE U.S. foundations are still concentrating their AIDS-related support domestically. A study sponsored by the Ford Foundation shows that, through 1990, U.S. foundation expenditures totaled \$150 million on AIDS in this country, but only \$8.6 million on HIV/AIDS in the developing world. The Rockefeller Foundation has contributed nearly half of the U.S. foundation total for HIV/AIDS abroad. The activities supported by grants and staff time from the Foundation's divisions of Health Sciences and Population Sciences include:

1. *Reproductive health aspects of HIV.* In 1988, the Foundation joined with the International Development Research Centre, the John Merck Fund, and the Ford Foundation in supporting the creation of the AIDS and Reproductive Health Network as a mechanism for strengthening developing-country HIV research. Dr. Jaime Sepulveda of Mexico's health ministry directs the steering committee, which accepts and reviews research proposals from developing-country scientists, assists the authors in improving their research designs, and recommends funding to a panel of donors.

2. *Intervention studies.* In the absence of an effective vaccine, the Foundation supports intervention-linked research in developing



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countries on strategies to prevent HIV infection through behavior change, use of condoms and other barrier methods, and reduction of factors that increase the risk of transmission.

3. *Diagnostics for HIV control programs.* Persons with pre-existing reproductive tract infections are at particularly high risk of contracting and transmitting HIV infection. Sexually transmitted infections (STIs) are important, in addition, because of their adverse effects on the health of women and children. The Foundation has joined with researchers and other funders to form an STI diagnostic network aimed at increasing the availability of current tests and producing less complex, more rapid, lower cost diagnostic tests for STIs.

4. *Private-sector response in the developing countries.* In August, the Foundation convened a meeting that included representatives of seven bilateral aid agencies, the Organization for Economic Cooperation and Development, and WHO to consider how private voluntary groups, unions, churches, business groups, and academic institutions in the developing world can best be encouraged and funded to take roles in the HIV/AIDS epidemic. The group is now investigating, on a region-by-region basis, the needs and constraints facing the private sector in the developing world.

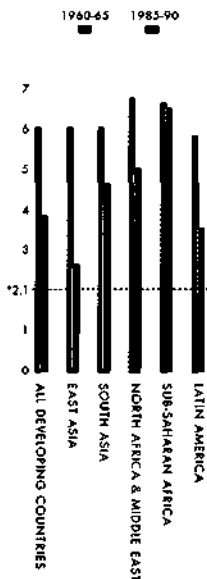
We reprint part of their article because, as they wrote, "There is a remarkable success story in international development that has gone largely unnoticed in Western capitals where foreign aid decisions are made. It is the steep decline in third world birthrates that has brought us halfway from the mid-1960's peak of global population growth to replacement level fertility – a Contraceptive Revolution that is every bit as impressive as agriculture's Green Revolution, and equally important in averting widespread famine in many developing countries.

"Today, according to United Nations estimates, third world women are averaging 3.9 children, and more than half of them are using some form of contraception, a stunning change from the eight percent who did so in 1965 when they were averaging over six children. Some of the most notable successes have occurred in Thailand, Indonesia, Mexico, Colombia, Brazil, and even in Bangladesh where the birthrate has declined by at least a third in the last ten years."

Drawing on research by W. Parker Mauldin, a consultant to the Foundation, they point out that this unexpected rate of decline is largely due to voluntary family-planning services, although in some notable cases the voluntary principle has been violated. Also, there are areas of the developing world where contraceptive use continues to lag – principally in sub-Saharan Africa and parts of the Islamic world. But almost all developing countries now have family-planning policies and nearly all the people in the developing world live in countries with official policies to provide family-planning services.

The costs of these services are estimated by the World Bank at \$3 billion annually, of

AVERAGE NUMBER OF BIRTHS PER WOMAN OVER LIFETIME (*REPLACEMENT LEVEL)



Defining The Contraceptive Revolution

Steven W. Sinding, who became director of the Foundation's division of Population Sciences in July, and Sheldon J. Segal, his predecessor until his retirement this year, engaged in close collaboration during the transition in directorship, one expression of which was published in *The New York Times* this fall.

which donor nations provide only 20 percent, or \$600 million. This, the authors note, is "less than one percent of the total given for development purposes by rich countries to poor countries."

What will it cost to maintain the current momentum through the end of the century? According to Drs. Sinding and Segal, the annual cost of family-planning programs in the developing world will triple to about \$9 billion, because of the very large number of people who will enter the reproductive age group during this period – the result of high fertility in past years. The cost of contraceptive commodities alone will be \$400 - \$500 million a year.

Failing to provide these funds will likely mean that, instead of the global population stabilizing in the middle of the next century at 10-12 billion people, this won't occur until several decades later and the world's population will be a staggering 15-20 billion.

"Voluntary family-planning programs could well prove to be the most cost-effective investment there is in international development assistance," the authors conclude.

Importance
Of National
Programs

The increasing importance of family-planning programs in developing countries overturns predictions made by respected scientists in the 1960s. It is documented in a series of studies, which since the early 1970s have had financial and staff support from the Foundation and at various intervals from the United Nations Population Fund, the Population Council, and the National Academy of Sciences.

National program level of effort is expressed as a composite score from evaluations of factors that include contraceptive availability and the policy and setting in which

each program is conducted, including the domestic budget for family planning and various measures of the country's basic policy toward its fertility and growth rates.

The studies show that the average level-of-effort scores of national family-planning services more than doubled between 1972 and 1989. Even so, as the accompanying chart shows, the average scores indicate that these programs are only at about half the level they

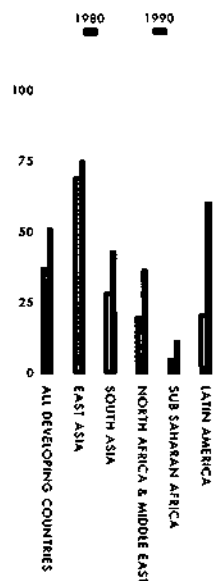
could be. But this, too, has its encouraging side. It means these programs, if strengthened, could continue to play vital roles in helping developing countries reduce their fertility rates – the average number of children per woman – to population replacement levels.

Family-planning services have certainly been crucial in the fertility declines in the developing world over the past two decades, but there are other important factors, too. A number of these – improvements in female education and in socioeconomic development generally – are also important, as noted below. Nonetheless, this latest analysis clearly shows that stronger family-planning programs, on average, lead to greater reductions in fertility rates regardless of the socioeconomic setting.

Since 1982, the Foundation has allocated almost \$3 million in support of 58 studies on the determinants of fertility in 24 developing countries. Among the findings has been a strong confirmation of the noted importance of female education, especially through eight years of schooling, in reducing desired family size, increasing contraceptive use, and lowering fertility rates. To overcome the limitations of culture-specific studies, however, a 1991 appropriation

Fertility
Determinants
Across Cultures

PERCENTAGE OF
REPRODUCTIVE AGE
COUPLES USING
CONTRACEPTIVES





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will help to underwrite a major, cross-cultural study in five Asian countries. The research design – a joint effort by researchers from India, Malaysia, Pakistan, the Philippines, and Thailand – focuses on reproductive patterns and infant and child mortality, and the extent to which they are affected by women's educational levels and employment experience, their control of resources acquired via marriage and economic activity, their decision-making power within the family, and their participation in community activities and organizations.

Regional
Research
Centers

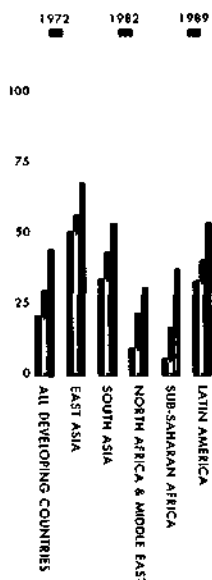
Another major appropriation in 1991 will support selected biomedical centers of excellence in Latin America and Africa to enhance regional training opportunities and strengthen national capacity for advanced research in contraception, fertility regulation, and women's health. Earlier, similar appropriations have been used to assist three such centers:

- Catholic University of Chile has opened a research and training program in reproductive biology open to scientists throughout Latin America. Seven women and six men have been admitted thus far, from Argentina, Bolivia, Chile, the Dominican Republic, and Peru. Faculty from the University of Chile assist in this program. Research topics include the molecular biology of sperm formation, the contraceptive effects of natural plant products, and pre-implantation biology.
- The University of Chile has developed a clinical medical training program coordinated with and complementary to the laboratory research program centered at the Catholic University of Chile. Institutional relations have also been established with universities in Bolivia, Ecuador, and Uruguay, and young

physicians from those universities have been enrolled. Research areas include toxemia of pregnancy and the placental effects of maternal malnutrition.

- The Federal University Bahia, Brazil's only graduate-training program in comprehensive reproductive medicine, has enrolled 168 physicians over the past three years, most of whom now work in government health services. Research areas include a variety of women's reproductive health problems, *in vitro* fertilization, and intrauterine contraception.

AVERAGE LEVEL OF EFFORT IN NATIONAL FAMILY PLANNING PROGRAMS



Under auspices of the Donors to African Education, a task force initiated by the World Bank in 1988, the Foundation is the convener for a subcommittee on female participation that includes representatives of 18 donor organizations fostering a network of African scholars and policymakers that can nurture and advance the female education agenda.

Encouraging
African Female
Education

To complement a research grants program administered by the African Academy of Sciences, this year the Foundation launched a "re-entry" grants program designed to facilitate the professional re-establishment of talented African education scholars returning home from doctoral studies in Europe and North America. The aim of both programs is to build indigenous expertise in analyzing the determinants of school participation and assessing possible interventions.

Support was continued for the African Forum for Children's Literacy in Science and Technology, a consortium of prominent African educators, scientists, and media specialists serving as a focal point for action. Thus far, the Forum has given

Science
For Children
In Africa

particular attention to funding and encouraging media innovations having the potential to change the delivery mode of science instruction for children – activities such as the production and distribution of interactive magazines and informal learning materials, and science camps and fairs sensitizing influential science educators to the links between school science and informal knowledge. Each Forum-supported activity is designed and directed by Africans, has attracted additional funding from other donors, and offers the possibility of expansion or replication.

The Zanzibar science camps, for example, offer summer hands-on programs serving teams of secondary school teachers and students along with teacher trainers and ministry of education curriculum specialists improving science education by using the surrounding island resources as teaching and learning media. The camps sponsors, the University of Dar es Salaam and the Ministry of Education, have established a supplemental teacher resource center with desktop publishing capability in Zanzibar Town. Following each camp session, local teaching materials are distributed to schools and science fairs, and exhibitions are held for the community. The camps and resource center have become models for a Tanzania-wide science education enrichment program supported by the World Bank.

African
Economic
Research
Consortium

Most sub-Saharan African countries remain gripped by slow or negative rates of economic growth. While the underlying causes vary from country to country, in virtually all cases there is a great

need for new, effective economic policies. Recognizing that major improvements in economic policy research and training at the national level are essential first steps toward meeting that need, the Foundation in 1988 joined with ten other donors in creating the African Economic Research Consortium.

The Consortium has concentrated on building the research side of its program, using the approach of linking support for individuals with institution development, fostering a network of research teams in a number of countries, and focusing on issues identified from within the region. Thus far, the Consortium has involved 350 scholars and government officials in 25 countries, and has supported 75 studies. Reports issued in 1991 include *Domestic Resources for Capital Formation in Ghana – The Role of Informal Financial Sectors; Trade Policy and Promotion in Sub-Saharan Africa; and The Effects of Non-Bank Financial Intermediaries on Demand for Money in Kenya*. Plans were also completed this year for a training strategy to be implemented in tandem with the research program.

The administrative infrastructure of the Consortium has been supported by the Foundation as an adjunct of its Nairobi field office. In the fall, however, the Kenyan government granted the Consortium international organizational status, and it now operates as an independent, incorporated institution. The Foundation continued its grant support and, with the administrative changeover, donated the existing office and program equipment.



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ARTS AND
HUMANITIES

Artists and scholars from the developing world have played increasingly important roles over the past several years in the Foundation's Arts and Humanities programs promoting international and intercultural understanding and scholarship.

The Foundation's festival fund and the Dance Theatre Workshop Suitcase Fund, supported by the Foundation, have enabled hundreds of artists from the developing world to perform and work in this country. And in recent years more than half of the fellows in Foundation-supported humanities residencies in U.S. academic centers have been from the developing world.

Support for all these activities has been through U.S. institutions, but this year the Foundation also began assisting a selected group of arts and humanities institutions in the developing world to complement and extend the ongoing work of international and intercultural scholarship, artistic performance, and cross-cultural inquiry.

U.S.-Mexico
Cultural
Exchange

The first of these new projects is the Fund for Culture, which the Foundation helped to establish this year as a self-governing unit within the U.S.-Mexico Commission for Educational and Cultural Exchange in Mexico City. It is jointly funded by the Foundation; the Mexican National Council for Culture and the Arts, a public entity; and the private Bancomer Foundation of Mexico.

Antonio Garmy's exhibition in an 1892 South Carolina jail illustrates how a space and its history can be used by the visual artist. It was one of 19 exhibitions in the Foundation-assisted "Places with a Past: New Site Specific Art in Charleston" which added a different and controversial dimension to the city's 1991 Spoleto Festival USA.



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The Fund is launching a program of widely advertised, competitive grants for collaboration, exchange, and interaction between U.S. and Mexican artists and scholars in the performing arts, museum and visual arts, libraries, publishing and translation, the media arts, and cultural studies.

The Fund's origins can be traced, in part, to a discussion of the desirability of increased exchange and ties between the United States and Mexico, which took place in Mexico City in 1990 between Foundation trustees and staff and Mexico's President Carlos Salinas de Gortari. From the Foundation's perspective, the Fund represents a vital extension of the Foundation's interests in international philanthropy and in helping to interpret Mexican culture in a binational context, to assert the integral importance of Mexico to contemporary U.S. society and vice versa, and to highlight Mexican Americans as an important audience and as key interlocutors of the cultural connections between the two countries.

Humanities
Fellowships
Expanded

Two of the eight sites added this year in the Foundation's Humanities Fellowships program are in Latin America: a program on urban culture in Mexico City at the Universidad Autónoma Metropolitana and a center for interdisciplinary contemporary studies in anthropology, communications, history, and literature at the Universidade Federal do Rio de Janeiro.

Since 1983, this program of resident fellowships has been the Foundation's central mechanism for supporting humanities scholarship intended to illuminate and assess international and intercultural issues and to strengthen institutional programs where such scholarship is sustained. Adding the sites in Mexico and Brazil deepens the already strong dimension of U.S.-Latin American scholarly exchange and inquiry that has become an important feature of the Humanities Fellowships program.

The other sites selected this year, in the United States, are the Center for Cultural Studies at the University of California, Santa Cruz; the Center for Studies of Ethnicity and Race in America at the University of Colorado; the Program in Nature, Culture and Development at the University of Kansas; a program on the American South in comparative perspectives at the University of North Carolina, Chapel Hill; the Afro-American Studies Program at Princeton University; and a program on feminist theory and comparative visual arts at the University of Rochester.

A substantial body of work funded this year by the Arts and Humanities division – including some of the new international grants – expands the focus of the Foundation's Global Environmental Program by providing a base for the involvement of scholars interested in the cultural, ethical, and historical aspects of global environmental issues. Three examples suggest the range of this collaboration:

A Focus On
Environmental
Issues

- Mexico's Grupo de los Cien staged a major international symposium and created a follow-up network bridging the gap between humanists and scientists working within their own countries and globally on environmental issues. The symposium's "Morelia Declaration" – with five specific recommendations for protecting the global environment addressed to the 1992 U.N. Earth Summit – provides the basis for an extensive public education effort by individuals and organizations in the network.
- The Center for Cultural Survival, which was begun with Foundation assistance, is consolidating an international network of cultural anthropologists working on environmental issues and expanding the range of the network's scholarly activities. Cultural Survival, the sponsoring organization, proposes "a new environmentalism – rethinking the interaction between development strategies,



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The social and theological aspects of Highland Mayan traditional religious ceremonies are elements of interest in an international and intercultural humanities program supported by the Foundation

A Chinese American exhibition and 21 other projects in seven states and Puerto Rico received support under a program enabling art, natural history and science museums



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Arte Publico Press of the University of Houston with Foundation support, has launched a long-term project to identify and publish Hispanic literary works produced in the US from the 16th century to 1960

With co-funding from the John D and Catherine T MacArthur Foundation

five Latin American independent producers

the first from outside the United States -

were selected in

1991 to receive

Intercultural Film/

Video Fellowships. Fourteen

U.S. producers were

also selected



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to create imaginative exhibitions of non-Western and American minority cultures

This eye-catcher is from one of 32 multimedia projects across the country funded

through the Multi-Arts Production Fund, the Foundation's principal means for supporting the creation of new international intercultural works in the performing arts



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Festival International de Louisiane, a Lafayette fête emphasizing Latin American and Caribbean influences on Louisiana's culture, was one of 15 domestic festivals supported to promote international and intercultural artistic interchange in 1991.

..

human rights and environmental protection; and . . . new developmentalism – insisting that there is no inherent contradiction between national development and the human rights of indigenous peoples.”

• The new, interdisciplinary agrarian studies program at Yale University is jointly supported by Arts and Humanities with the Foundation’s African Initiatives program and division of Agricultural Sciences. The work of environmental and agricultural specialists in its research and teaching activities is complemented and enriched by the collaboration of other scholars interested in the historical, ethical, and cultural dimensions of agrarian development.

The Foundation’s Intercultural Film/Video Fellowships was begun in 1986 to support creative time and travel, as well as research and production, for competitively selected film and video artists using the documentary and media art forms to explore and interpret issues of cultural diversity. This year, the John D. and Catherine T. MacArthur Foundation became a partner in the program, and three Brazilian, one Uruguayan, and two Mexican artists as well as 14 U.S. artists were selected for fellowships.

The Latin Americans’ media projects include the first 35 mm feature film that will be made in Uruguay, using fact and fiction recreating events in the country’s history; a narrative using “actors” from a Mexico City barrio; and a docu/drama set in Brazil’s Amazon region where different cultures clash in a play on language and meaning.

Strengthening
African
Publishing

Arising from an international conference sponsored by the Arts and Humanities division at the Foundation’s Bellagio Center early this year, a four-pronged effort to strengthen African publishing was devised and subsequently received support from the Ford and Rockefeller foundations and donors in Canada,

Denmark, and Sweden.

The scarcity of books in sub-Saharan Africa has reached crisis proportions. Libraries and bookstores struggle for stock; students, teachers, and the general reading public are deprived of the books they need; ideas circulate with difficulty. Indigenous, independent African publishers, however, do persist – some as small businesses, some with university connections, and a few as local descendants of the colonial presence. Plans call for interventions that will strengthen indigenous publishing in the areas of training, distribution, capitalization, and in securing reprint rights to texts from abroad.

Another publishing venture, this one in the United States, received support this year to launch the initial phase of a long-term project to recover the country’s Hispanic literary heritage. Through research, preservation, and publication, the project aims to identify, study, and make accessible the literary works produced by Hispanic people in the United States from the period of exploration and colonization of North America in the sixteenth century to 1960.

Hispanic
Literary
Project

Plans for this venture, envisioned as a 10-year effort that includes creation of a nationwide network of scholars, were charted at two conferences convened this year and last by the Foundation and the University of Houston. Heading the project is Nicholas Kanellos, a University of Houston professor and editor of the University’s *Arte Público* Press.

The contributions of all Hispanic groups in the United States, including people of Spanish and Latin American origin, will be investigated and many of them published – journals, diaries, oral artistic works, poetry, drama, essays, and novels, the great bulk of which is not available or accessible to other than a handful of scholars. Indeed, the study of Hispanic literature is currently limited largely to works produced during the past 30 years.

National
Video
Resources

The mission of National Video Resources (NVR), created as a Foundation program in 1989, is to help increase public access through videocassette to outstanding, independently produced cultural, education, and documentary film and video works. Grant-supported activities this year include publication of a directory of video and film on videocassette made by Latin American and U.S. Latino independent producers, research, editing, and production of an educational video to guide public librarians in creating collections of independent films and videocassettes, and technical improvement in the computer system of the Art Institute of Chicago's Video Data Bank. *NVR Reports* in 1991 include "Fiber Optics & the Future of Television: A Primer for Independents" and "Taking Your Wares to Market - Contracting for Home Video Distribution," plus a how-to report on marketing music documentaries.

Continuing
Programs

A number of other major, ongoing initiatives received support this year, including

- The Fund for U.S. Artists at International Festivals and Exhibitions, co-funded with the Pew Charitable Trusts, the National Endowment for the Arts, and the U.S. Information Agency, made 106 grants to performing artists and arts organizations of all sizes and kinds to enable them to participate in festivals in 32 countries. In the visual arts, the Fund supported the participation of the U.S. artists at the São Paulo Biennial in Brazil, the Cuenca Biennale in Ecuador, and the Ljubljana Graphics Biennale in Slovenia. In addition, the Fund partnered with the Fundação Memorial da América Latina to support a landmark conference in São Paulo of U.S. and Latin American artists and curators.
- Artists' Projects Regional Initiative, jointly funded with the National Endowment for the Arts since 1985 and joined in 1991 by

the Andy Warhol Foundation for the Visual Arts, supports, on a regional basis, emerging and lesser-known artists in the creation of innovative work and helps them to reach new audiences through arts organizations in their own parts of the country. This year, 13 grants were made to arts organizations representing all 50 states and Puerto Rico. These funds, in turn, are awarded competitively to individual artists and groups of collaborating artists for specific projects.

- Twenty-two projects in seven states and Puerto Rico received support under the Foundation's museums program enabling art, natural history, and science museums to conduct research for, develop, and present accurate, imaginatively powerful exhibitions of non-Western and American minority cultures.

- The Multi-Arts Production Fund, the principal means by which the Foundation supports the creation of new international and intercultural works in the performing arts, assisted 32 projects, including creation and production of a mixed-media theater piece "Mississippi Freedom" by performance artist Robbie McCauley working with collaborators from throughout Mississippi, creation and production of an original musical theater piece by the San Francisco Mime Troupe collaborating with Kalinangan Ensemble of the Philippines, and development and production of a theatre work, "The Zeppelin and Geni," by Pregones Touring Puerto Rican Theater Collection in the South Bronx.

This 1580 Indian map of an area of Mexico drawn in an acculturated style during an era of profound demographic, economic, and ideological change - is representative of the materials used in the Foundation-assisted program on the history of ethnicity in Latin America at the University of Texas.



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EQUAL
OPPORTUNITY

Quantifying
Discrimination

M easurements of racial discrimination in employment, housing, and credit were documented and explored in detail at a fall conference in Washington, D.C., co-sponsored by the Foundation and the Urban Institute. The conference was attended by lawmakers and other public officials, journalists, scholars, civil rights advocates, representatives of other foundations, and policy analysts and researchers. Some of the major findings are summarized in the accompanying chart.

A common technique in all the studies is that they used trained pairs of undercover auditors, matched in every way except race or ethnicity, who sought jobs, apartments and houses, or credit.

The most recent of the studies was the Urban Institute's Foundation-supported hiring audit conducted in the metropolitan Washington and Chicago areas, the results of which challenged claims that current hiring practices for entry-level jobs are color blind or favor black candidates. Twenty percent of the time in this study, black auditors were blocked – and their white counterparts were not – at some point in the application process. The comparable rate of opportunity denial for white auditors was seven percent. And the white auditors were three times more likely than their paired black auditors to get a job offer.

In a similar employment study of entry-level jobs in Chicago and San Diego, the

Neighborhoods in 20 U.S. cities will soon reverberate with the sounds of hammer and saw as work begins under a new initiative to strengthen community development corporations investing in affordable housing for low-income families.



opportunity denial rate was 31 percent for Hispanic auditors versus 10 percent for Anglo auditors. And the Anglo auditors were almost three times more likely than their paired Hispanic auditors to get a job offer.

The first employment discrimination suit using the audit methodology has been filed by the Fair Employment Council of Greater Washington, which also filed a related claim with the U.S. Equal Employment Opportunity Commission. The use of evidence from similar audits assessing housing discrimination has previously been upheld by the U.S. Supreme Court.

Reflecting the differences in the way the housing market operates, the housing studies made a distinction between two levels of discrimination. As shown on the accompanying chart, opportunity-diminishing discrimination occurred when minority auditors were treated less well than their majority counterparts – e.g., they were shown fewer units or were steered to neighborhoods with more minorities. Opportunity-denying discrimination occurred when only the minority auditors were essentially denied any information.

The credit studies were local in scope and the numbers were not large enough for statistical analysis.

Working
Family's
Rebate

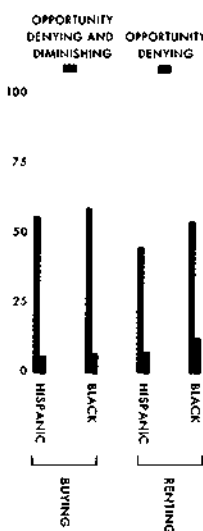
The Foundation-supported Community Planning and Action Program (CPAP) projects in Boston, Cleveland, Denver, Oakland, San Antonio, and Washington have mounted local efforts that, in conjunction with the Foundation-assisted Center for Budget and Policy Priorities' national campaign, will encourage and help eligible families in filing for the federal Earned Income Tax Credit (EITC). Termed the "working family's rebate," EITC provides as much as \$1,192 in tax year

1991 for a low-income family with one child, even if a family doesn't owe taxes. In San Antonio, for example, approximately 59,000 families are eligible to receive \$50 million dollars; the estimated possible return to the state of Texas is \$2 billion.

Local campaign efforts include creation and staffing of steering committees with representation from all sectors of the community, preparation and distribution of multilingual

posters and notices in payroll envelopes and utility bills, enlisting church and community groups for personal contacts, and working with local news media on intensive information campaigns.

HOUSING
DISCRIMINATION AGAINST
MINORITIES IN 25
METROPOLITAN AREAS



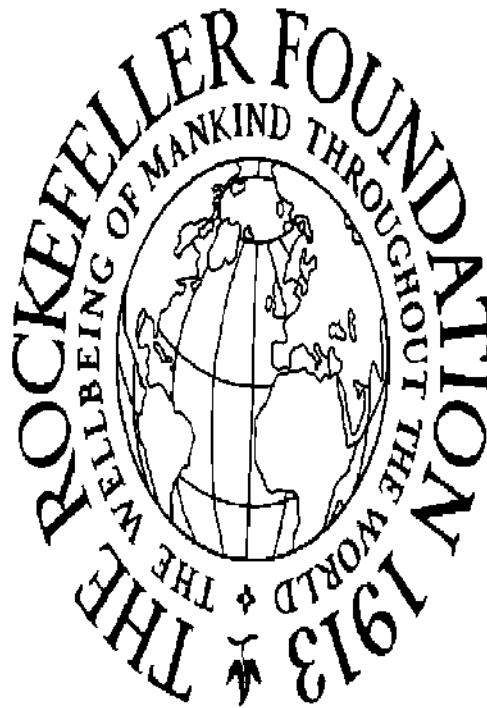
THIS YEAR REPRESENTATIVES of 16 community-based grantees in multi-site initiatives sponsored by three national foundations to improve conditions in poor urban neighborhoods took first steps toward a regular exchange of information and experiences on effective service delivery at the neighborhood level; effective schools; race and ethnicity as factors affecting urban change; and urban improvement based on strategies for building on strengths

rather than filling gaps. In addition to the Rockefeller Foundation's CPAP projects, the exchange involves the Annie E. Casey Foundation's New Futures program with sites in Dayton, Little Rock, Savannah, Bridgeport, Pittsburgh, and Prince Georges County, Maryland; and the Ford Foundation's Neighborhood and Family Initiative with sites in Detroit, Memphis, Milwaukee, and Hartford.

A major appropriation this year will underwrite technical assistance for the new Coalition of Community Foundations for Youth and its two-part goal of (1) making the needs of children, particu-

Coalition
For Youth

Ten organizations received grants to pursue voting rights litigation and to provide technical assistance for redistricting efforts in this year of decennial federal and state reapportionment and redistricting.



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Participating cities in the National Community Development Initiative, established in 1991 by a consortium of funders, including the Foundation,

- are Atlanta,
- Baltimore,
- Boston,
- Chattanooga,
- Chicago,
- Cleveland, Columbus (Ohio), Indianapolis, Kansas City (Missouri), Los Angeles, Greater Miami, New York City, Newark (New Jersey), Philadelphia, Portland (Oregon), Oakland/San Francisco Bay Area, San Antonio, Seattle, St. Paul, Washington, D.C.

Photograph Excised Here

A recurring theme in the Foundation's Equal Opportunity programs is early childhood development and timely intervention to ensure all children have the chance to realize their potential



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National and local campaigns to encourage eligible families to file for federal Earned Income Tax Credits - "the working family's rebate" - are being conducted by grantees, the Center for Budget and Policy Priorities and community planning and action sites in Boston, Cleveland, Denver, Oakland, San Antonio, and Washington, D.C.



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Video interviews are being prepared for release in 1992 reporting on the work of 25 of the social scientists funded in the 1980s to study how the roles of men and women change and to interpret what gender means to human endeavor.

More than 150 individuals have received support in the first three years of a program creating a scholarly community engaged in studies that can inform public policy relevant to urban poverty and the U.S.



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underclass. The aim in 1992-93, the final years: establishing linkages to policymakers.

Foundation-funded programs for young people begin with trying to understand their world. Then, to paraphrase Oakland's Urban Strategies Council, they are designed to help the young people have enough faith in themselves and support from caring adults to build that crucial bridge between reality and dreams.



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larly at-risk children, the top priority in their communities and nationally, and (2) shifting the emphasis to fostering sound development and preventing problems, rather than trying to intervene after children are in trouble.

The Coalition, which includes 32 of the country's largest community foundations, is moving beyond making grants to the providers of children's services to mobilizing broad-based private and public support for systemic change to meet children's needs. The Arizona Children's Campaign, a project of Children's Action Alliance, whose supporters include the Arizona and Tucson community foundations, and the Annie E. Casey Foundation, is illustrative of the new approach, with its combination of publicizing the status of Arizona's children through use of billboards, press conferences, and the dissemination of reports; training and mobilizing individuals and organizational advocates via workshops, newsletters, coalition-building, and leadership development conferences; and educating policymakers about promising interventions through such techniques as "Child Watch" site visits.

Starting with training for their own boards and staffs, the Coalition members are also working with such other groups as United Way and the Foundation-assisted Children's Defense Fund and California-based Children Now.

A CHILD CARE demonstration-research initiative, supported by the Foundation in conjunction with the New Jersey Department of Human Services, was ready to move from planning into implementation when it fell victim to this year's public-sector budget cuts. At year-end, the Foundation was examining opportunities to reestablish the program in another state.

National
Community
Development
Initiative

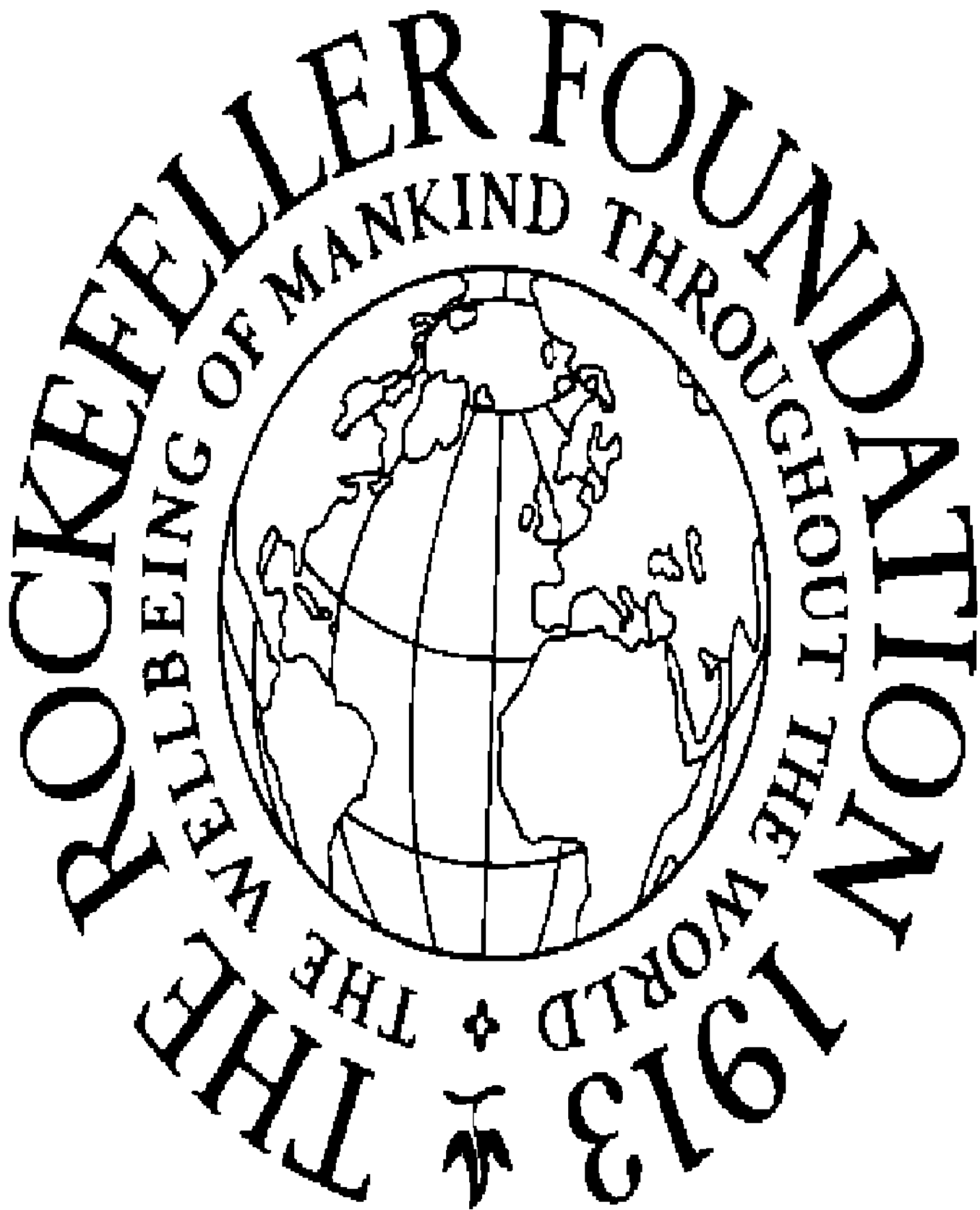
The National Community Development Initiative (NCDI) began working in 20 cities this year to accelerate the pace, scale, and impact of community development

corporations. These local organizations, known as CDCs, are directed by people living and working within the inner-city boundaries. Their mission is to invest in new and renovated housing and business properties, and, in the process, to build leadership, capital, and power in their neighborhoods.

Some of the CDCs in the participating cities are meeting particular low-income housing needs more efficiently by creating advance funding commitments for a specific number of units, thereby avoiding the difficulties of assembling complicated financing packages on a project-by-project basis. NCDI loan funds in Philadelphia, for example, are being used to provide a starting point for financing to renovate and build multi-family rental housing, while in St. Paul the focus is on single-family housing.

Multi-year commitments of core operating support, along with planning, training, and other technical assistance, are enabling CDCs in such cities as Newark, Portland (Oregon), and Kansas City (Missouri) to grow and develop as planning and implementing arms in their communities. In San Antonio, Columbus (Ohio), and in other cities where CDCs are in an emerging stage, formal partnership structures through which a variety of local funders can participate are being created.

Capitalized with \$62.5 million in grant and program related investments from a consortium that includes the Foundation, NCDI will generate approximately half a billion dollars in new funding for CDCs. It is administered through the Local Initiatives Support Corporation, the Enterprise Foundation, and the Local Initiatives Managed Assets Corporation. OMG/Teamworks from Philadelphia and the Joint Center for Housing Studies at Harvard University will document and assess the effectiveness of the overall program.



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SCHOOL
REFORM

School
Development
Program

The cycle of low expectations for achievement in school, high absenteeism, low achievement, and high dropout rates is repeated each year for millions of American children, many of them minority and poor.

To meet this challenge, Dr. James Comer of Yale University pioneered the School Development Program (SDP), which equips elementary and middle school principals, teachers, parents, and school mental health and social service professionals to collaborate in furthering the academic, social, and personal development of the children. With Dr. Comer's personal guidance through implementation, it has become a tested method for improving school effectiveness and ultimately educational outcomes for children at risk.

The Foundation, in partnership with Dr. Comer, is supporting a variety of strategies and techniques in an effort to accelerate widespread adoption of the SDP process. Major school districts, institutions that train teachers and youth-service providers, and key sectors where education policy is set – all are targets in this venture.

THIS YEAR, WITH the Foundation's support and that of the Melville Corporation, the Yale Child Study Center launched the first two in a series of institutes designed to equip officials from selected school districts with the knowledge, skills, and tools needed to train teams from individual schools in their districts to

Elementary school students from the Tiwo Pueblo wrote and produced Tiwo Tales, capturing the traditional stories, songs, and dances of their tribe. Their school is a New Mexico project site in CHART, a national network funded by the Foundation to strengthen teaching in the arts and humanities.



Photograph Excised Here

implement the SDP process. Participants in these intensive, two-week training sessions included educators from six school districts new to the SDP, including Chicago, Dallas, and San Diego. Other participants included a team from the state education department of New Jersey, where the commissioner of education had announced that SDP training will be offered to 30 urban communities identified as "special needs" districts.

THE FIRST SCHOOL districts across the country implementing the SDP also began late this year using the 14-part, "how to" video series that takes the viewer into SDP schools and demonstrates the hows and whys of school planning and management teams, parents' programs, and all the other elements of the SDP process. An accompanying manual is also being produced to include discussion questions, transparency masters, and an index to the contents of the 14 tapes, which vary in length from 20 to 45 minutes.

PARTNERSHIP STRATEGIES FOR implementing the SDP are also being pursued to determine whether selected universities can ultimately assume the technical assistance and support function that, thus far, has been filled by the Yale Child Study Center. In New Orleans, four representatives – two from the school system and two from Southern University at New Orleans – completed the Yale institute this year and are working with teams in the three elementary schools selected as the initial SDP sites. The participants are in a gritty struggle with the harsh realities of poor urban schools. The district's budget has been cut, one of the school buildings is the oldest in the city, and another is at the intersection of two major drug sales areas.

At year-end, four months into implementation, the schools' staffs are at work rethinking and reorganizing their schools along SDP lines to support the healthy development

and academic progress of their young students. They have periodic guidance from the Yale Center and direct support from Southern University, whose students and faculty have begun testing children's hearing in the schools, tutoring in math, providing social-work services – one school's part-time social worker had a backlog of 60 referrals from the previous year – and conducting physical education and multicultural arts programs in all three schools.

The Texas Interfaith Education Fund, with Foundation assistance, is organizing and training parents, teachers, school officials, and community leaders to reform schools serving 600,000 children in 12 low-income, predominantly Hispanic school districts in Texas and Arizona. The program is centered around the concept of "communities of learners," and draws on Dr. Comer's SDP techniques and those of other educational pioneers to help the local groups define and achieve measurable educational gains for at-risk children. Plans are to expand into an additional three districts in 1992.

Three summer leadership academies conducted by university schools of education and supported by the Foundation provide teams of principals and teachers with special training in child development theory, school organization, multiculturalism, new instruction techniques, and other topics crucial to managing schools serving at-risk children. The newest academy, co-sponsored by the Southern Education Foundation and Virginia Commonwealth University in Richmond, began operations this year and is working with an initial group of six schools. It also is the first of the academies to include a parent member on each school team. Selected participants from the 1990 and 1991 University of New Mexico academy sessions will receive additional

Reform In
Texas And
Arizona

Summer
Leadership
Academies

A Foundation-funded package of 14 "how-to" videos and an accompanying manual are being used by 16 school districts to improve school effectiveness and educational outcomes for children at risk.



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Photograph Excised Here

The essence of a conversation among 10 nationally recognized education reformers around six relevant themes – from what is expected of children to the training of educators – is available in



Photograph Excised Here

Students from San Francisco's Newcomer High School are from 34 countries and speak 22 languages – none of them English. It's the first stop in the school system for such students and one of the most unusual schools in the Foundation-supported CHART national network improving teaching in the arts and humanities.

A Harvard University program involving schools in four cities was funded to demonstrate and evaluate portfolio assessment, a promising means for teachers, students, and their parents to monitor and measure students' progress and achievement.

a brief report of their meeting, co-sponsored by the Foundation, the RJR Nabisco Foundation, and the Education Commission of the States.

Hugh Downs narrated an hour-long television documentary completed this year on the life and work of Dr. James Comer, whose School Development Program is the core of the Foundation's School Reform program



Photograph Excised Here

The Michigan School Leadership Academy, one of three Foundation-supported summer programs for urban teachers and principals, has issued a 12-minute video for educators on its program to achieve "higher levels of learning for all students."



Photograph Excised Here

A planning and management team of teachers, parents, administrators, and interested community representatives – here, at Pershing Elementary School in Dallas – provides leadership for building-level implementation of the Foundation-assisted School Development Program.



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training, also with Foundation support, to help other schools across the state meet the special needs of at-risk students.

ANOTHER 1991 APPROPRIATION will fund a project, drawing in large measure from the leadership academies' experience, to explore how in-service training content and techniques might be strengthened and sharpened across the country to meet the special challenges facing teachers and principals in schools with high proportions of at-risk children. And support was also provided to a research-university consortium project to formulate recommendations for revamping the core teacher preparation curriculum and for restructuring schools of education. President of the consortium, the Holmes Group, is Judith Lanier, who oversees the Michigan leadership academy.

Evaluating
Portfolio
Assessment

Portfolio assessment is a promising, alternative method, closely integrated with instruction in the classroom, for monitoring and measuring of students' progress and achievement. Students keep portfolios of their work – papers, notes, drafts, models, drawings, and all other relevant

materials – which they and their teachers and parents use regularly to assess progress, recognize accomplishment, and spot weaknesses for correction.

For six years the portfolio technique has been used for long-term student projects in music, visual arts, and writing in a Foundation-supported collaborative project – Arts Propel – of the Pittsburgh public schools, Educational Testing Service, and Harvard Graduate School of Education.

A 1991 appropriation will enable the Harvard team to draw on the experience to begin a more extensive evaluation of the portfolio method in collaboration with additional schools in Pittsburgh, Rochester, San Diego, and San Francisco. The aim is to examine and understand the challenges of using portfolio assessment techniques in diverse school districts and student bodies; and to generate rigorous evidence on the effects of portfolio assessment with respect to the instructional effectiveness of teachers and the performance of low-achieving, at-risk children.



Photograph Excised Here

Partnership for a Drug-Free America, with Foundation assistance for the New York City launch is seeking to change attitudes prevent and reduce occasional drug use by inner-city, minority young people



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Since World War I all use of chemical weapons has occurred in the developing world yet efforts to control or ban such weapons have rarely included opinions or ideas from there Four foundations have joined to strengthen an international group taking this more global perspective

The Foundation's grants in South Africa support a variety of ideas, individuals, and institutions needed for post-apartheid economic restructuring



Photograph Excised Here

To encourage organized philanthropy abroad the Foundation is assisting efforts of the International Youth Foundation, including start-up support for a national foundation in Ecuador



Photograph Excised Here

The Foundation's first international program-related investment has been approved for a Bolivian commercial bank making micro-business loans that offer the poor a chance for upward mobility



Photograph Excised Here

A 1991 grant supports research and production work outside China for a television documentary series on the Tiananmen Square demonstration and its suppression The story is to be told in the context of the cultural transformations and conflicts that have characterized post-Mao China

OTHER
INTERESTS AND
INITIATIVES

International
Security

Chemical and biological weapons are often referred to as “the poor man’s atom bomb,” and all chemical weapons use since World War I has occurred within developing countries. Yet, while developing-world attitudes and actions will significantly determine the future of these weapons in terms of proliferation or restraint, rarely have groups seeking to control or ban these weapons sought to understand and inform views prevailing in the developing world on this issue. Therefore, an appropriation this year under the Foundation’s International Security Program provides funds to strengthen the developing-world dimension to a Harvard University/University of Sussex international program of research and information dissemination aimed at eliminating chemical and biological weapons. This program also receives support from the Carnegie Corporation, the John D. and Catherine T. MacArthur Foundation, and the Public Welfare Foundation.

AMONG THE OTHER International Security grants made this year is support for activities advancing implementation of a far-reaching set of principles and proposals for conflict resolution, for governance, and for social and economic transformation in Africa. This convention, *The Kampala Document*, and the continuing Conference on Security, Stability, Development and Cooperation in Africa that

it launches, were adopted at a May meeting in Kampala, Uganda, that included five current and three former African heads of state and more than 500 other leaders from African organizations and institutions.

The Foundation has long been a contributor to the development of organized philanthropy in the United States. Appropriations this year extend this effort abroad with the objective of increasing the number of individuals and institutions engaged in the creative use of private wealth for innovation and social change in the public interest. Grants from these appropriations support the International Youth Foundation (IYF), created by the W. K. Kellogg Foundation to help develop independent national foundations abroad that have children and youth as a significant focus, and to enable IYF to provide start-up support to the Fundación Grupo Esquel-Ecuador.

The Fundación – Ecuador’s first national foundation, and the recipient of earlier assistance in its planning from the Rockefeller Foundation – will provide financial and technical support to community-based projects and encourage participation of all sectors of the country in a “partnership for development.” Organized by a group of private citizens in consultation with numerous nongovernmental organizations, the Fundación has a small professional staff, and is raising funds – 40 percent from within

International
Philanthropy

Ecuador and 60 percent outside – for its three-year, \$7.7-million initial capitalization.

Special
Interests And
Initiatives

The Foundation's Special Interests and Explorations fund (SIE) is used primarily for grants to a small number of important projects that could otherwise not be assisted because they do not meet the funding guidelines of the Foundation's principal programs.

WITHIN THIS FRAMEWORK, the Foundation's trustees authorized the first international program-related investment – to Banco Sol, a Bolivian commercial bank recently chartered for microlending, small loans providing upward mobility for the poor. Banco Sol has absorbed a successful microlending program carried out since 1987 by a nongovernmental organization called Prodem. The loan portfolio consists of 12,000 active microborrowers, 95 percent of whom are women. Prodem had made over 50,000 loans averaging \$225 in current dollars – in La Paz and Bolivia's other large cities, with a default rate under one-fifth of one percent.

The conversion of Prodem's lending program into Banco Sol is prompted by the growing demand in the country for microcredit – about 60 percent of Bolivia's economically active population are involved in the informal or microbusiness sector. Banco Sol's aims are to expand the provision of credit and other financial services to Bolivian microbusinesses, achieve economies of scale, and attain long-term financial viability for its microlending operation by establishing a strong equity base of private stockholders.

Bellagio Study
And Conference
Center

The Foundation's Bellagio Study and Conference Center, on Italy's Lake Como, was host this year to 24 conferences with a total of 490 participants from 60 countries. These included a multi-racial group of South African business leaders, academics,

and trade union representatives considering economic reform in their country; a group of molecular biologists and plant breeders from the developing and developed worlds that formed an international network on the use of advanced biotechnologies to improve sorghum and millet plant varieties, the major cereal crops of the semi-arid tropics; and an international group of researchers examining and comparing various theories seeking to explain the processes by which people learn to read and write.

A total of 130 scholars and artists from 23 countries also were in residence for about a month each to work on their own projects. These included operas and other musical compositions; works of art in various media; novels, poetry, plays, and short stories; and nonfiction works that range from *Science and the Medieval Church* to *Women and Politics Worldwide*, from *Insect Molecular Genetics* to *International Financial Markets: Prices and Policies*, and from *The Immunology of Human Pregnancy* to *Above the Law: Why Police Use Excessive Force and What to Do About It*.

A Foundation staff committee reviews applications for conferences and residencies, which are selected on a competitive basis. Conferences are usually scheduled for three days, and the number of participants, limited to 25, must include substantial international representation. The month-long residencies are intended for scholars, artists, and others whose projects are at a point where laboratory or extensive library resources are not required.

A separate annual report detailing activities of the Bellagio Study and Conference Center is published by the Foundation.

1991 GRANTS
AND FELLOWSHIPS



The Foundation's principal work is done through appropriations, each of which authorizes more than \$100,000 for a specific programmatic purpose and is approved by the Board of Trustees.

Direct appropriations are approved by the Board as grants to specific institutions. Other appropriations are approved by the Trustees for subsequent allocation by the staff. Within the approved purpose and dollar total, the staff allocate these appropriations as a series of grants after they have reviewed proposals, selected the recipients, and determined the grant amounts and specific activities to be funded.

Appropriations in the lists that follow include bracketed figures showing the year and total authorized amount of the appropriations; if allocations have been made, that information also is included.

The other items – those without bracketed information in the grant lists that follow – are grants-in-aid. The staff is authorized each year to make a limited number of grants-in-aid to institutions and individuals, in amounts of \$100,000 or less, for purposes within the Foundation's guidelines.

- 52 *International Program to Support Science-Based Development*
- 52 *Agricultural Sciences Grants*
- 58 *Health Sciences Grants*
- 63 *Population Sciences Grants*
- 67 *Global Environmental Program Grants*
- 69 *African Initiatives Grants*
- 73 *Advanced Training Fellowships*
- 75 *Biotechnology Career Fellowships*
- 76 *Social Science Research Fellowships*
- 77 *Arts and Humanities Grants*
- 85 *Equal Opportunity Grants*
- 89 *School Reform Grants*
- 91 *Other Interests and Initiatives Grants*

INTERNATIONAL PROGRAM
TO SUPPORT SCIENCE-BASED
DEVELOPMENT

This program provides focus for three of the Foundation's divisions – agricultural sciences, health sciences, and population sciences – and the global environmental initiative. The objective is to help the developing world, on its own terms, to use modern science and technology to increase people's access to food, health, reproductive choice, education, housing, and employment opportunity. Within this context, the challenge before the world community, and a principal emphasis of this program, is to promote a more equitable sharing of the world's resources while avoiding environmentally unsound development practices.

AGRICULTURAL
SCIENCE GRANTS

The agricultural sciences division supports work: using biotechnology to improve crops that are developing-country staples; improving family food production systems in Africa; and increasing knowledge for the management of natural resources.

**Applying Biotechnology
To Developing-Country
Food Crops**

Agricultural Research Institute,
Bethesda, Maryland
\$20,000

*Toward the costs of a conference,
"Ethical Considerations in
Agricultural Research," jointly sponsored
with the U.S. Department of
Agriculture, to be held at the Bellagio
Center, April 6-10, 1992 (Joint grant
with Arts and Humanities, for a total
of \$55,000.)*

**Basic and Applied Rice
Biotechnology**

*[1991 - \$3,000,000, in addition to
remaining funds from prior year
appropriations]*

*To support research and training at
advanced laboratories participating in
the Foundation's international program
on rice biotechnology*

Cornell University,
Ithaca, New York
\$300,000

*For research on cloning, character-
izing and transferring genes in rice*

Kyoto Prefectural University,
Japan
\$5,000

*For research using genetic engineering
to improve the digestibility and nutri-
tive quality of rice storage proteins*

Northeast Missouri State University,
Kirksville
\$200,000

*For research on the molecular charac-
terization of the Y1 gene of maize
and rice*

Purdue University,
West Lafayette, Indiana
\$152,250

*For research on indexing genotypic
diversity in the rice blast fungus by
DNA fingerprinting analysis*

Rockefeller University,
New York, New York
\$600,000

*For use by its Laboratory of Plant
Molecular Biology in conducting
research on the molecular genetics
of rice.*

Salk Institute for Biological Studies,
San Diego, California
\$382,800

*For research on the molecular mecha-
nisms for induction of rice defense
responses to microbial disease.*

Scripps Research Institute,
La Jolla, California
\$304,500

*For research on the molecular biology
of rice tungro virus and rice yellow
mottle virus, and the genetic engi-
neering of rice for virus resistance*

Texas A&M University,
College Station
\$450,000

*For collaborative research on the
production of fertile transgenic
rice plants.*

Université de Perpignan,
France
\$15,000

*For research on the isolation and char-
acterization of DNA sequences specific
for different rice species.*

University of California, Davis
\$100,000

*For research on the optimization of
nucleic acid transfer into embryonic
rice cell lines.*

University of Georgia Research
Foundation,
Athens
\$189,000

*For research on the characterization
and mapping of repeated sequence
DNA in rice*

University of Leiden,
Netherlands
\$50,000

*For research on the genetic manipula-
tion of rice.*

University of Montreal,
Canada
\$89,400

*For research aimed at restoring the
capacity of cultivated rice to accumu-
late betaine.*

University of Ottawa,
Ontario, Canada
\$152,000

*For use by its Faculty of Science
in conducting research on anther and
pollen-specific promoters from
rice, and in developing chimeric genes
for insect resistance and novel
breeding systems.*

Washington State University,
Pullman
\$200,000

*For research on male sterility in the
genetic engineering of rice.*

\$200,000

For research on the control of starch synthesis during rice endosperm development

Biotechnology Training in Latin America and Africa
[1991 - \$300,000]

To help develop and support crop biotechnology training programs at selected institutions in Latin America and Africa.

Cassava Biotechnology

[1991 - \$800,000, in addition to remaining funds from prior year appropriations]
To support the further development of an international network for biotechnology research on cassava.

Chinese Academy of Sciences, Beijing

\$70,000
For use by its South China Institute of Botany, Guangzhou, in conducting research on the application of tissue-culture technologies to the genetic improvement of cassava

Scripps Research Institute, La Jolla, California

\$237,800
For research on the genetic engineering of cassava for virus resistance.

University of Guelph, Ontario, Canada

\$89,500
For research on the application of particle bombardment technology to cassava tissue transformation.

University of Nottingham, England

\$122,000
For research on the development of protoplast and other tissue-culture systems for cassava

Cassava: Improvement Priorities and Molecular Mapping
[1991 - \$800,000]

To determine, through analysis of African socioeconomic data, the priority traits of cassava on which plant breeders should focus, and to generate a molecular map of cassava and related species that will help breeders address these priorities more efficiently.

International Center for Tropical Agriculture (CIAT), Cali, Colombia

\$240,000
For research on the construction of a molecular map of cassava and DNA fingerprinting of cassava and its wild relatives

University of Georgia Research Foundation, Athens

\$130,000
Toward RFLP mapping and genome analysis in cassava.

Foundation-administered projects

\$12,000
For consultancy costs in connection with the socioeconomic survey of cassava in Africa, which is being coordinated by the International Institute of Tropical Agriculture.

\$104,400

Toward the costs of evaluating the dynamics of African agricultural systems.

Cornell University, Ithaca, New York

\$23,000
For publication of the "CAAS Journal" by the Chinese Association of Agricultural Students and Scholars.

Crop Genetic Maps
[1990 - \$600,000]

To enable scientists from third-world, crop-breeding institutions to participate in the development of molecular genetic maps, and to help them make use of the resulting technology on their return home

Dong Jinjiang, Shanghai Institute of Plant Physiology, Academia Sinica, China

\$27,300
To study sorghum biotechnology under the direction of Gary E. Hart.

Department of Soil and Crop Sciences, Texas A&M University.

Cui Yun-xing, Chinese Academy of Sciences, Beijing

\$21,000
For advanced training in crop germplasm and screening methods under the direction of Gary E. Hart. Department of Soil and Crop Sciences, Texas A&M University.

Nadoor Seetharama, International Crop Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru, Andhra Pradesh, India

\$31,900
For advanced training in sorghum biotechnology under the direction of Gary E. Hart, Department of Soil and Crop Sciences, Texas A&M University

Hungarian Academy of Sciences, Szeged

\$100,000
For research, by the Institute of Plant Physiology of its Biological Research Center, on expression of viral genomic sequences in transgenic maize plants for protection against maize streak virus.

Indian Society of Genetics and Plant Breeding,

New Delhi
\$10,000
Toward the costs of a symposium on genetic research and education, held in New Delhi, February 12-15, 1991

International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria

\$720
Toward the costs of a biotechnology workshop and training program for African scientists.

International Service for the Acquisition of Agri-Biotech Applications, Washington, D.C.

\$50,000
To facilitate the transfer of agricultural biotechnology from industrial to developing countries.

National Priorities for Rice Biotechnology

[1991 - \$381,800]
To provide several Asian countries with a quantitative, systematically derived basis for allocating their rice biotechnology resources.

Center for Environmental and Agricultural Policy Research, Extension, and Development, Kathmandu, Nepal

\$60,480
For a study to determine production constraints and research priorities for rice.

Department of Rural Economy and Rural-Urban Coordinated Development, Development Research Center of the State Council, Beijing, China

\$265,400
For a study entitled, "Agricultural Research Priorities in China: Implications for Biotechnology Initiatives."

International Rice Research Institute (IRRI), Manila, Philippines

\$55,000
For preparatory work and the holding of an international workshop on setting national priorities for rice biotechnology research.

Nitrogen Fixation in Non-Legumes
[1990 - \$470,000]

To support research aimed at introducing symbiotic biological nitrogen fixation into non-legume food crops.

Australian National University, Canberra

\$135,000
For research on the induction of nodule-like structures on the roots of cereal seedlings.

Chinese Academy of Sciences, Beijing

\$100,000
For use by its Institute of Botany for research on rhizobia-induced nodulation in rice and analyses of its characteristics.

University of Nottingham, England

\$135,000
For research to improve nodulation and nitrogen fixation in non-legumes.

Plant Biotechnology Policy in Developing Countries

[1989 - \$400,000, in addition to remaining funds from prior year appropriations]
To assist developing countries in determining priorities for their investments in agricultural biotechnology.

Gadjah Mada University, Yogyakarta, Indonesia

\$4,500
To finalize a research proposal on the prioritization of rice research in Indonesia.

- Montana State University,
Bozeman
\$8,740
For a cooperative study with the International Rice Research Institute on the environmental costs of agricultural chemical use in Southeast Asian rice production
- Thailand Development Research Institute Foundation,
Bangkok
\$48,000
For an analysis of rice research to establish priorities for rice improvement in Thailand
- Foundation-administered project
\$4,700
Toward the costs of preparing for publication a manuscript Modern Rice Technology and Income Distribution in Asia
- Resources Development Foundation,
New York, New York
\$10,000
Toward the costs of a meeting of the steering committee for its International Biotechnology Collaboration Program
- Rice Biotechnology at International Centers
[1991 - \$1 000 000 in addition to remaining funds from prior year appropriations]
To support research at international centers participating in the Foundation's rice biotechnology program
- International Center for Tropical Agriculture (CIAT),
Cali, Colombia
\$100,000
In support of biotechnology research on rice RFLP mapping rice hoja blanca virus and rice anther culture
- International Rice Research Institute (IRRI),
Manila, Philippines
\$49,500
Toward the costs of a training course in rice biotechnology for developing-country scientists
- \$700,000
For the continuation of research on wide hybridization and rice genetics application of molecular techniques to rice pathology and evaluation of Bacillus thuringiensis strains for insect pest control
- Stanford University,
California
\$22 800
Toward the costs of a study by its Food Research Institute of the rice economy of China
- Studies on the Impact of Agricultural Technical Change [1989 - \$400 000 in addition to remaining funds from prior year appropriations]
To support comprehensive studies on the impact of agricultural research in developing countries as a basis for long-term agricultural research policy
- Foundation-administered project
\$5,990
Publication costs of a book Prioritizing the Rice Biotechnology Research Agenda for Eastern India which reports the results of Foundation-sponsored research
- Swiss Federal Institute of Technology (ETH Zurich),
Switzerland
\$100,000
For research on the genetic transformation of indica rice
- Transfer of Rice Biotechnology to Developing Countries [1991 - \$2 000 000 in addition to remaining funds from prior year appropriations]
To help developing countries establish the scientific capacity and research programs necessary to utilize and advance rice biotechnologies
- Bai Yongyan, Shanghai Institute of Plant Physiology,
China
\$17,320
For a Visiting Scientist Research Fellowship in rice biotechnology enabling him to study Agrobacterium-mediated transformation of rice under the direction of Eugene Nestler University of Washington
- China National Rice Research Institute,
Hangzhou
\$112,500
For research leading to the application of novel strategies in rice improvement in China
- Chinese Academy of Agricultural Sciences,
Beijing
\$100,000
For use by its Biotechnology Research Center in studies on providing transgenic rice plants with resistance to attack by lepidopteran insects
- Chinese Academy of Sciences,
Beijing
\$60,000
For use by its Institute of Microbiology in conducting research on rice yellow stunt virus
- \$30,000
For use by its Institute of Genetics in conducting research on the transference of genes into rice
- \$100,000
For use by its Institute of Genetics in research to complete and apply the RFLP map for rice
- \$36,000
For use by its Institute of Genetics in conducting research on mitochondrial DNA and male sterility in rice
- \$30 000
For use by its South China Institute of Botany Guangzhou in conducting research on the genetics of hybrid rice
- \$45,000
For use by its Institute of Genetics in conducting research on wide hybridization of rice
- \$45,000
For use by the Shanghai Institute of Biochemistry in conducting research on the properties of rice ragged stunt virus (RRSV) and developing RRSV-resistant rice genotypes
- John Dille, Winthrop College,
Rock Hill, South Carolina
\$44,000
Toward publication costs of the Rice Biotechnology Quarterly
- Federal University of Rio de Janeiro,
Brazil
\$50,400
For use by its Laboratory of Plant Molecular Biology in the molecular analysis of elicitor-induced defense of responses in rice
- Wang Gouliang, University of the Philippines,
Manila
\$20,000
- For research on the genetic mapping of rice*
- Hunan Academy of Agricultural Sciences,
China
\$45,000
For use by its Hunan Hybrid Rice Research Center Changsha in a study of apomixis in rice
- International Rice Research Institute (IRRI),
Manila, Philippines
\$3,115
Toward the costs of training in rice biotechnology for developing-country scientists
- Wichitra Jitdamrongphan, Prince of Songkla University,
Haadyai, Songkla, Thailand
\$31,100
To study the roles of hydrolytic enzymes in inducible defense responses of rice against fungal pathogens under the direction of Christopher J Lamb Plant Biology Laboratory Salk Institute for Biological Studies
- Li Liangcai, Institute of Genetics,
Beijing, China
\$11,600
To study rice transformation with RTBV coat protein gene under the direction of Dr Roger Beachy Washington University
- Li Xiu-Qing, Beijing University,
China
\$13,400
For a Visiting Scientist Research Fellowship in rice biotechnology enabling him to study plant tissue culture/molecular biology under the direction of Thomas K Hodges Purdue University
- Malaysian Agricultural Research and Development Institute (MARDI),
Kuala Lumpur
\$225,000
To support research on the genetic manipulation of indica rice using biotechnology
- Marappagounder G Maheswaran,
Tamil Nadu Agricultural University,
Coimbatore, India
\$53,000
For research on the molecular characterization of genes for disease and insect resistance in rice

Nuclear Institute for Agriculture and Biology,
Faisalabad, Pakistan
\$45,000

For research on improving the salt tolerance of rice through wide hybridization.

Nukala Padmanabha Sarma, senior scientist in biotechnology,
Directorate of Rice Research,
Hyderabad, India
\$18,000

For a Visiting Scientist Research Fellowship enabling him to study rice culture, pathology, and genetic analysis at Purdue University.

Orissa University of Agriculture and Technology,
Bhubaneswar, India
\$65,150

For research on the development of wide hybridization for rice improvement.

Research Laboratory for Agricultural Biotechnology and Biochemistry,
Kathmandu, Nepal
\$30,000

For research on the development of anther culture techniques that will increase the efficiency of rice breeding in Nepal.

Sichuan Agricultural University,
Yaan, Sichuan Province, China
\$45,000

For use by its Rice Research Institute in conducting research on the genetics of apomixis in rice.

Tamil Nadu Agricultural University,
Coimbatore, India
\$192,500

For research in rice biotechnology

Tribhuvan University,
Rampur, Chitwan, Nepal
\$85,600

For studies on rice virus disease and their vectors in Nepal.

United Nations Educational, Scientific, and Cultural Organization (UNESCO),
Beijing, China
\$12,500

Toward the costs of an international training course in rice biotechnology for developing-country scientists, held in June 1991 in Beijing

Zhongshan University,
Guangzhou, China
\$45,000

For research on transformation techniques for rice improvement.

Foundation-administered projects
\$53,000
Program support expenses.

\$33,000
Toward program support expenses for the Foundation's biotechnology program in India.

\$125,000
For costs of the Fifth Annual Meeting of the Foundation's International Program on Rice Biotechnology, held in Tucson, Arizona, October 2-5, 1991.

\$40,000
Toward the costs of an International Workshop on Strategies for Introducing Apomixis in Rice, to be held at the Human Hybrid Rice Research Center in Changsa, China

Strengthening Food Production Systems in Africa

Association for the Taxonomic Study of the Flora of Tropical Africa,
Zomba, Malawi
\$25,000
Toward the costs of its XIII Congress.

Crop Science Society of America,
Madison, Wisconsin
\$15,000
To facilitate attendance by African scientists at the First International Crop Science Congress.

Jacques Diouf,
Dakar, Senegal
\$30,000
For research on the Asian and Latin American experience in agricultural development

Forum on Agricultural Resource Husbandry
[1991 - \$350,000]
To help improve graduate education at selected faculties of agriculture in eastern and southern Africa by instituting an African-directed competitive grants program that encourages faculty members and students, in collaboration with national research personnel, to undertake multidisci-

plinary field research on resource management.

Foundation-administered project
\$50,000
Toward the costs of the Advisory Committee, Technical Panel, and workshops associated with the design and implementation of the Forum.

Foundation-administered projects
\$55,100
For continued exploration of micro models for evaluation of the dynamics of African agricultural systems.

\$52,000
For the costs of further investigation into alternative ways of strengthening graduate education and research in agricultural resource husbandry in selected universities of eastern and southern Africa.

Paul Goldsmith, University of Florida, Gainesville
\$5,000
Toward the costs of a study on how land use and management is affecting soil status in the Meru District of Kenya.

Government of Malawi
[1991 - \$350,000]
To provide requested technical assistance for the national agroforestry program, which is aimed at improving small-farm productivity

Government of Zimbabwe
[1991 - \$400,000]
To fund university-level correspondence course training for experienced field officers of the national agricultural extension organization.

\$13,800
To enable its Department of Agricultural Technical and Extension Services to plan a staff development program with Wye College, University of London, England.

International Centre for Insect Physiology and Ecology (ICIPE),
Nairobi, Kenya
[1991 - \$250,000, in addition to remaining funds from prior year appropriations]
To continue support for its Social Science Interface Research Unit.

International Council for Research in Agroforestry (ICRAF),
Nairobi, Kenya
[1991 - \$541,000, in addition to remaining funds from prior year appropriations]
To support the networking and research activities of its Tropical Soil Biology and Fertility (TSBF) program in Africa, including field research projects in Zimbabwe and Zambia.

International Fertilizer Development Center,
Muscle Shoals, Alabama
[1991 - \$240,000]
To complete a five-year field research program on restoration and maintenance of soil fertility in West Africa. (Also listed under the division's third guideline, Increasing Knowledge for the Management of Natural Resources.)

International Geographical Union,
Scarborough, Ontario, Canada
\$5,000
For use by its Commission on Measurement, Theory and Application in Geomorphology for a workshop on denudation processes and land use problems in tropical regions, held in Nairobi, Kenya.

International Institute of Biological Control,
Nairobi, Kenya
\$100,000
For research on the potential of insect pathogens as control agents in the integrated pest management of the banana borer in Uganda.

International Institute of Tropical Agriculture (IITA),
Ibadan, Nigeria
\$9,2000
Toward the costs of enabling members of the teams conducting the socio-economic survey of cassava in Africa to participate in the Ninth Symposium of the International Society for Tropical Root Crops, held in Accra, Ghana, October 20-26, 1991.

International Union of Biological Sciences,
Paris, France
\$8,390
For use by the Tropical Soil Biology and Fertility Programme to enable

non-Kenyan soil scientists to attend a University of Nairobi-MIRCEN training course on the application of rhizobium technology in legume production

Louis Kangethe,
Nairobi, Kenya
\$11,000

For seed and nursery studies of two important semiarid tree species, *Diospyros mespiliformis* and *D. scabra*

Kenya Forestry Research Institute,
Nairobi
\$8,286

Toward the cost of establishing plots necessary for research on the productivity aspects of alley cropping *Calliandra calothyrsus* with maize in small-holder agroecosystems of Embu, Kenya.

Deborah K Letourneau, University of California,
Santa Cruz
\$16,250

For research on maize-bean intercropping in Malawi

Makerere University,
Kampala, Uganda
[1991 - \$300,000]

To continue support for its joint research project with the Ministry of Agriculture on the main factors constraining banana production in Uganda

Measuring Agricultural Constraints in Eastern and Southern Africa [1990 - \$700,000, in addition to remaining funds from prior year appropriations]

To develop analytic tools that will measure the extent of physical, biological, and socioeconomic constraints on agricultural production as guides for research and technology application in eastern and southern Africa (Also listed under the division's third guideline, *Increasing Knowledge for the Management of Natural Resources*)

International Council for Research in Agroforestry (ICRAF),
Nairobi, Kenya
\$20,750

To characterize a proposed research site for a project that will test the potential of agroforestry to improve

soil fertility, nutrient cycling and nutrient use efficiency

C H K Muchoki, Department of Regional Surveys and Remote Sensing,
Nairobi, Kenya
\$45,100

For a research project, "Land use change and its implications for future range management in the Athi-Kapiti ecosystem of Kajado District The role of remote sensing"

Overseas Development Institute,
London, England
\$20,000

Toward the costs of a workshop in Kenya presenting findings from a study of agricultural and environmental change in the Machakos District

Texas A&M Research Foundation,
College Station
\$136,160

For use by the Blackland Research Center of the Texas Agricultural Experiment Station in developing East African soil pedon and world daily-weather databases

Foundation-administered project
\$10,000

For preparation of a bibliographic database on soil fertility for East Africa

Eduardo Mondlane University,
Maputo, Mozambique
\$41,260

To help the University strengthen its capacity to provide training and undertake research contributing to national development

Oneas Tichafa Mufandaedza, doctoral candidate from Zimbabwe at North Carolina State University,
Raleigh
\$25,000

Toward the costs of thesis research on the mechanisms of hydrocyanic acid poisoning in ruminant livestock-fed sorghum forages

J M R Semoka, Sokoine University of Agriculture,
Morogoro, Tanzania
\$5,530

For research on computer simulation for crop growth and nutrient management

T Sengooba (Mrs), Namulonge Research Station,
Kampala, Uganda
\$15,000

Toward the costs of a legume research project

Southern African Development Coordination Conference (SADCC) Regional Gene Bank for Plant Genetic Resources,
Lusaka, Zambia
\$20,000

Toward the costs of "The First Training Workshop in Plant Genetic Resources"

University of Malawi,
Lilongwe
\$24,650

Toward the costs of developing and implementing a computerized, multi-media information system at the Faculty of Agriculture Library

University of Nairobi,
Kenya
\$40,000

For a bean pathology research project, to be carried out by its Department of Crop Science, Kabete Campus

University of Newcastle upon Tyne,
England
\$8,500

For the development of a prototype regional food security model system for the Southern African Development Coordination Conference (SADCC) Food Security Program

University of Zimbabwe,
Harare
\$2,000

Toward the costs of publication of the Proceedings of the 21st Anniversary Crop Production Congress, held in the Faculty of Agriculture in July 1991

World Association of Soil and Water Conservation,
Volga, South Dakota
\$20,000

Toward the costs of an international workshop, "Environment and the Poor Soil and Water Management for Sustainable Smallholder Development," held in Kenya and Tanzania, June 1991

Increasing Knowledge For The Management Of Natural Resources

Essential Agricultural Library [1991 - \$350,000]

To complete the identification of a core agricultural sciences library for developing countries and to facilitate production of the full text in electronic format

Foundation-administered projects
\$60,000

Toward the costs of a second Agricultural Media Seminar, "Feeding the World, Protecting the Earth Advances in International Agricultural Research"

\$9,000

Toward the cost of attendance at a World Bank Conference, "Agricultural Technology for Sustainable Economic Development in the New Century"

Fund for the International Conference of Agricultural Economists,
Oak Brook, Illinois
\$25,000

Toward the travel costs and registration fees of developing-country participants in the XXI International Conference of Agricultural Economists, held in Tokyo, August 22-29, 1991

Global 2000, Inc.,
Atlanta, Georgia
\$41,700

To explore strategies and mechanisms for addressing the global problem of deforestation

International Fertilizer Development Center,
Muscle Shoals, Alabama
[1991 - \$241,000]

To complete a five-year field research program on restoration and maintenance of soil fertility in West Africa (Also listed under the division's second guideline, *Strengthening African Food Production Systems*)

International Irrigation Management Institute,
Colombo, Sri Lanka
[1991 - \$500,000, in addition to remaining funds from prior year

appropriations]
To test irrigation management approaches that improve coordination between irrigation agencies and farmers in Bangladesh, initiate a major effort to quantify measures of irrigation performance, and expand its capacity for multidisciplinary research

International Policy Council on Agriculture and Trade, Inc., Washington, D C
 \$25,000
Toward the costs of its April 1991 Plenary Session, held in Hilversum the Netherlands

Kasetsart University, Bangkok, Thailand
 \$5,000
Toward the costs of the Asian-Australasian Association of Animal Production Societies (AAAP) Sixth International Animal Science Congress

Keystone Center for Continuing Education, Colorado
 \$50,000
For the Keystone International Dialogue Series on Plant Genetic Resources Phase III

Measuring Agricultural Constraints in Eastern and Southern Africa [1991 - \$700,000, in addition to remaining funds from prior year appropriations]
To develop analytic tools that will measure the extent of physical biological and socioeconomic constraints on agricultural production as guides for research and technology application in eastern and southern Africa (Also listed under the division's second guideline, Strengthening Food Production Systems in Africa)

Organisation for Economic Co-Operation and Development (OECD), Paris, France
 \$30,000
To enable developing-country nationals to participate in its November international conference at Bellagio on agricultural policies for developing countries in the 1990s

Pesticide Use Environment and Health [1991 - \$600,000]
To provide the basis for an improved understanding of the agricultural, environmental, and health effects of agricultural pesticide use in developing countries (Joint appropriation with Health Sciences, for a total of \$800,000)

International Potato Center, Lima, Peru
 \$181,510
For a research project on the health effects of pesticide use in Ecuadorian potato production

Thailand Development Research Institute Foundation, Bangkok
 \$249,300
For a study of the environmental and health effects of pesticide use on rice fields in selected Thai villages

Plant Science Human Capital for Latin America [1990 - \$690,000]
To assist developing countries in determining priorities for their investments in agricultural biotechnology

Association of Caribbean Universities and Research Institutes, San Juan, Puerto Rico
 \$64,000
For use by the Consortium of Caribbean Universities for National Resource Management for a workshop to train Caribbean faculty in natural resource management

Latin American Plant Sciences Network, Santiago, Chile
 \$350,000
In support of its network activities aimed at furthering study, instruction, and research in the plant sciences in Latin America

New York Botanical Garden, Bronx
 \$275,000
For use by its Institute of Economic Botany for a project to stimulate the development of local capabilities in neotropical economic botany

K S Puri, Ministry of Home Affairs, New Delhi, India
 \$3,024
To complete a research study, while at Queen Elizabeth House, University of Oxford, England, on the dimensions of a long-range land use policy for India

Servicios para el Desarrollo Social, A C Mexico City, Mexico
 \$19,400
For a study to analyze alternatives for the strengthening and diversification of agricultural activities, sustainable management of natural resources by peasants in Cost Chica, State of Guerrero

Thailand Development Research Institute Foundation, Bangkok
 \$18,890
For studies leading to the development of a national research agenda regarding on the impact of agricultural use on Thailand's natural resources

University of California, Berkeley
 \$15,000
For use by its Division of Biological Control for a taxonomical ecological and analytical study of the larger grain borer

University of Georgia Research Foundation, Inc., Athens
 \$30,000
Toward the costs of a project to assess methane flux from rice ecosystems

University of Minnesota, Minneapolis
 \$97,600
Toward the costs of a conference on "Institutional Innovations for Sustainable Agricultural Development Into the 21st Century" held at Bellagio, October 14-17, 1991

Winrock International Institute for Agricultural Development, Morrilton, Arkansas
 [1991 - \$400,000]
To strengthen the capacity of Indian agricultural universities to analyze forest management problems and collaborate with policymakers in working toward solutions

World Resources Institute, Washington, D C
 \$25,000
For the work of its Committee on Agricultural Sustainability for Developing Countries

Yale University, New Haven, Connecticut
 [1991 - \$50,000]
To support an interdisciplinary and comparative program for US and third-world scholars in agrarian studies (Joint appropriation with Art and Humanities and African Initiatives for a total of \$200,000)

Fellowships

Biotechnology Career Fellowships \$440,000
(Jointly funded with Health Sciences and Population Sciences for total of \$1,140,000)

Research Fellowships in the Agricultural Sciences [1991 - \$400,000]
To build a cadre of outstanding young agricultural researchers with problem-directed experience obtained by working with Foundation grantee institutions in developing countries where the Foundation has field offices

Social Science Research Fellowships in Agriculture [1991 - \$700,000, in addition to remaining funds from prior year appropriations]
To build a cadre of outstanding North American and African social scientists having experience as members of multidisciplinary teams of international agricultural research institutes, and, in the process, to help those institutes (1) enhance their outreach to national agricultural research systems and (2) incorporate a farmer perspective into problem identification and research strategy

\$10,000
 Program support expenses

HEALTH
SCIENCES GRANTS

The health sciences division supports work that uses pharmacology and vaccinology to treat and prevent major diseases of the developing world. The division also supports work that builds capacity in the developing world for population-based health care.

Enhancing National Capacity For Population Based Health Care

Aga Kahn Foundation, U.S.A.
Washington, D.C.
\$100,000
Toward continuation of its 'Primary Health Care Management Advancement Programme'

American Society of Tropical Medicine and Hygiene (ASTMH)
Cleveland, Ohio
\$13,000
For the activities of the Program Planning Committee for the XIII International Congress for Tropical Medicine and Malaria

Carvajal Foundation,
Cali, Colombia
\$35,000
For an environmental recycling program

Community-Based Control of Dengue
[1991 - \$600,000 in addition to remaining funds from prior year appropriations]
*To continue support for community-based approaches to control of *Aedes aegypti* the urban mosquito vector of dengue fever and yellow fever*

Johns Hopkins University,
Baltimore, Maryland
\$159,800
*For research and training in community-based approaches to control of *Aedes aegypti* the urban mosquito vector of dengue fever*

Ministry of Health,
Mexico City, Mexico
\$284,630
*For a community-based *Aedes aegypti* control program in Mexico (With debt swap)*

Foundation-administered project
\$25,000
For consultants site visits and meetings

Educational Commission for Foreign Medical Graduates,
Philadelphia, Pennsylvania
\$35,000
In support of its International Medical Scholars Program

Emory University,
Atlanta, Georgia
\$50,000
For use by the Carter Center toward the planning costs of a program aimed at reducing tobacco use in developing countries

Essential National Health Research
[1991 - \$200,000]
To support the efforts of the Task Force on Health Research for Development to assist developing countries in planning national health research programs relevant to their priority health needs

Foundation-administered project
\$100,000
For administrative expenses for explorative activities on a public health research initiative in developing countries: Public Health Schools Without Walls

Foundation for International Scientific Cooperation,
Ann Arbor, Michigan
\$65,000
For continued funding of its program to improve the disease surveillance systems of Vietnam and Laos

Gadjah Mada University,
Yogyakarta, Indonesia
\$7,720
For use by its School of Medicine toward the costs of an evaluation study of the Dengue Haemorrhagic Fever prevention program in Indonesia

Harvard University,
Cambridge, Massachusetts
\$100,000
Toward the costs of a workshop 'Good Health in Africa'

\$99,300
For a project entitled 'Strengthening and Replicating New Programs in International Health'

Health of the Public
[1991 - \$750,000 in addition to remaining funds from prior year appropriations]
To complete support for the five-year Pew Charitable Trusts/Rockefeller Foundation program aimed at mobilizing North American academic institutions to lead in implementing equitable, cost-effective health care and health promotion practices

University of California, San Francisco
\$1,239,601
To complete support for the Pew Charitable Trusts/Rockefeller Foundation program on Health of the Public

Information Systems for Selected Developing-Country Ministries of Health
[1987 - \$300,000]
Toward providing five selected ministries of health in the developing world with access to the core literature in public health, medicine and related disciplines

Foundation-administered project
\$12,500
For program management and evaluation costs

International Clinical Epidemiology Network (INCLEN)
[1991 - \$4,500,000 in addition to remaining funds from prior year appropriations]
(1) To continue support for core activities of the International Clinical Epidemiology Network (INCLEN) that link 27 clinical epidemiology units in developing countries with five clinical epidemiology resource and training centers (CERTCs) as well as for the training provided by the CERTCs at McMaster University, the University of Newcastle and the University of Toronto and (2) to begin phase II of INCLEN the transfer of training responsibility to selected institutions with clinical epidemiology units

Addis Ababa University, Ethiopia
\$50,000
For core support of its Clinical Epidemiology Unit

\$5,000
For a clinical epidemiology research project on the treatment of louse-borne relapsing fever in children

Chulalongkorn University,
Bangkok, Thailand
\$5,000
For a biostatistics research project on the methodology for assessing utilization of psychotropic drugs in the general hospital

\$25,000
For core support of its Clinical Epidemiology Unit

Escola Paulista de Medicina
São Paulo, Brazil
\$10,000
In support of a research project entitled 'Repetitive Strain Injuries in Keyboard Operators: a Cross-Sectional Study'

\$25,000
For core support of its Clinical Epidemiology Unit

Gadjah Mada University,
Yogyakarta, Indonesia
\$25,000
For core support of its Clinical Epidemiology Unit

Hospital General de Mexico
Mexico City
\$25,000
For core support of its Clinical Epidemiology Unit

<p>INCLLEN, Inc., Philadelphia, Pennsylvania \$648,300 <i>In support of its Executive Office</i></p> <p>\$50,000 <i>In support of start-up costs of Phase II activities in Latin America and Asia</i></p> <p>International Epidemiological Association, Los Angeles, California \$15,000 <i>Toward the costs of its Southeast Asia regional meeting January 20-24, 1992, in Bali, Indonesia</i></p> <p>Khon Kaen University, Thailand \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>For an anthropological-epidemiological study of 'opportunistic' sex workers</i></p> <p>Mahidol University, Bangkok, Thailand \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>For a clinical epidemiology research project entitled "Psychosocial Factors and Dietary Recommendation for Controlling Non-Insulin-Dependent Diabetes Mellitus in Bangkok"</i></p> <p>Makerere University, Kampala, Uganda, \$5,000 <i>In support of a clinical epidemiology research project on health education of parents and infant immunization</i></p> <p>\$5,000 <i>In support of a research project in health social science entitled 'Presumptive Treatment of Malaria in Children Aged Five Years and Below Home Treatments Done Before Visiting the Health Centre'</i></p> <p>\$2,700 <i>In support of a study entitled 'Pattern of Antimicrobial Use on General Surgical Wards in Mulago Hospital'</i></p> <p>McMaster University, Hamilton, Canada \$638,000 <i>To continue support of its Clinical Epidemiology Resource and Training Center</i></p>	<p>Ohio State University, Columbus \$50,000 <i>For continuation of the INCLLEN Pharmacoepidemiology Seed Grants Program</i></p> <p>Pontificia Universidad Javeriana, Bogotá, Colombia \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>In support of a social science research project entitled "Promoting Psychosocial Health I Validation of Measurements"</i></p> <p>Shanghai Medical University, China \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>Suez Canal University, Ismailia, Egypt \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>In support of a clinical epidemiology research project on the pattern of fall-related pediatric orthopedic injuries in Ismailia</i></p> <p>Universidade Federal do Rio de Janeiro, Brazil \$5,000 <i>In support of a research project in clinical epidemiology entitled 'Validation of a Questionnaire to Evaluate Drug-Intake Compliance and its Determinants in Epilepsy in Rio de Janeiro'</i></p> <p>\$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>Universidad de la Frontera, Temuco, Chile \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>University of Arizona, Tucson \$24,000 <i>For technical field assistance with social science research activities at INCLLEN sites in the Philippines, Indonesia, Thailand and India</i></p>	<p>University of Chile, Santiago \$5,000 <i>For a clinical epidemiology research project on the efficacy of intra-articular progesterone for local treatment of rheumatoid arthritis</i></p> <p>\$5,000 <i>For a health economics research project entitled "An Economic Evaluation and Quality of Life Assessment in Endstage Renal Disease Patients"</i></p> <p>\$5,000 <i>In support of a case-control study on alcohol and hemorrhagic stroke in Chile</i></p> <p>University of Health Sciences, Madras, India \$50,000 <i>For core support for its Madras Medical College's Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>For use by its Madras Medical College in support of a research project entitled "Predicting Risk for Repetition in Attempted Suicide"</i></p> <p>University of North Carolina at Chapel Hill \$40,000 <i>For continued support of the internal evaluation of the INCLLEN program</i></p> <p>University of Pennsylvania, Philadelphia \$140,000 <i>For the costs of the INCLLEN Executive Office</i></p> <p>University of the Philippines, Manila \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>For a clinical epidemiology research project to evaluate the role of mothers in measles immunization acceptance in the Philippines</i></p> <p>\$7,120 <i>For a study to determine whether an experimental training program in clinical breast examination has improved the ability of Philippine health care providers to detect breast lesions</i></p> <p>\$7,000 <i>In support of a January 1992 health social science workshop</i></p>	<p>University of Yaoundé, Cameroon \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>\$5,000 <i>In support of a research project in clinical epidemiology entitled "Seroepidemiology of Hepatitis B Virus Infection among Children in the Central Province of Cameroon"</i></p> <p>University of Zimbabwe, Harare \$5,000 <i>In support of a clinical epidemiology research project involving a community-based comparison of cotrimoxazole and tetracycline in the management of urethritis</i></p> <p>West China University of Medical Sciences, Chengdu \$25,000 <i>For core support of its Clinical Epidemiology Unit</i></p> <p>Foundation-administered projects \$20,000 <i>For meetings of the INCLLEN Executive Advisory Committee</i></p> <p>\$30,000 <i>For expenses related to Social Science Clinical Epidemiology Site visits</i></p> <p>\$30,000 <i>For costs of Social Science and Biostatistics meetings</i></p> <p>\$50,000 <i>Toward the costs of the ninth annual meeting of INCLLEN, held in Mombasa, Kenya, January 20-26, 1991</i></p> <p>\$100,000 <i>For interchange activities of the network</i></p> <p>\$50,000 <i>Toward the costs of external evaluation of the INCLLEN program</i></p> <p>\$200,000 <i>Toward the costs of the tenth annual meeting of INCLLEN held in Bali Indonesia, January 19-24 1992</i></p> <p>Johns Hopkins University, Baltimore, Maryland \$25,000 <i>For in-country workshops in Mexico Indonesia and Nigeria at which participants will develop methodologies for studies aimed at establishing national-</i></p>
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level priorities with regard to disease control.

Moi University,
Eldoret, Kenya
\$37,000

For a continuing study, by its Geography Department, of indigenous medical systems for maternal and child health in Kenya

National Institute for Medical Research,
Lagos, Nigeria
\$10,000

Toward the costs of an international conference on health research priorities for Nigeria, held February 19-22, 1991.

Pesticide Use: Environment and Health

[1991 - \$200,000]

To provide the basis for an improved understanding of the agricultural, environmental and health effects of agricultural pesticide use in developing countries. (Joint appropriation with Agricultural Sciences, for a total of \$800,000.)

University of California,
San Francisco
\$29,500

In continued support for the child survival program in selected African countries.

University of Western Australia,
Nedlands, Australia
\$20,000

For the publication and dissemination of a Southeast Asia and Western Pacific region health systems newsletter entitled "Virus Information Exchange."

University of Yaoundé,
Cameroon
\$40,500

In support of an international conference on health technology procurement, assessment and repair in developing countries, held in Yaoundé, March 11-13, 1991.

\$5,500

For the follow-up activities of the March 1991 Health Technology Seminar.

World Health Organization (WHO),
Geneva, Switzerland
\$60,000

Toward the costs of a meeting on the organization of community-oriented outpatient services and referral systems in developing-country cities.

\$60,000

In renewed support for the international health systems newsletter, Bridge

Preventing Developing-Country Diseases Through Vaccinology And Pharmacology

Roy Acheson,
Cambridge, England
\$30,000

To enable him to continue writing a biography of Wickliffe Rose.

Children's Vaccine Initiative
[1991 - \$900,000]

To support vaccine research programs and other activities related to the Children's Vaccine Initiative. (Joint appropriation with Population Sciences, for a total of \$1,200,000.)

Task Force for Child Survival,
Atlanta, Georgia
\$98,900

Toward third-year costs of the Vaccine Development Project

World Health Organization (WHO),
Geneva, Switzerland
\$350,000

To continue support for its Special Programme on Vaccine Development.

\$200,000

To continue support for its Expanded Programme on Immunization and Trans-Diseases Vaccinology Programme. (Joint allocation with Population Sciences, for a total of \$500,000.)

\$250,000

Toward the costs of the Secretariat of the Children's Vaccine Initiative.

Harvard University,
Cambridge, Massachusetts
\$15,300

In support for a diarrheal diseases study relevant to Cameroon.

Health Sciences for the Tropics

[1991 - \$1,700,000, in addition to remaining funds from prior year appropriations]

To strengthen the capacity of developing countries to conduct research on major tropical diseases through North-South and South-South research partnerships

Center for Genetic Engineering and Biotechnology Investigations (CEIINGEBI),
Cuernavaca, Mexico
\$134,115

For a research and training project, collaborative with the Stanford University School of Medicine's Division of Geographic Medicine, on acute infectious diarrheas of childhood (With debt swap.)

Centro de Investigación y de Estudios Avanzados de IPN (CINVESTAV)
Mexico City, Mexico
\$99,344

For a research project, collaborative with the University of California at San Francisco, on protozoan intestinal diseases. (With debt swap.)

Christian Medical College Hospital,
Vellore, India
\$79,750

For a research and training project, collaborative with the Geographic Medicine and Infectious Diseases Division of the New England Medical Center, Boston, on the clinical, epidemiologic, pathogenic and etiological aspects of diarrheal diseases in India

Institut Pasteur,
Lille, France
\$36,000

For a research and training project, collaborative with the Molteno Laboratories of Parasitology, University of Cambridge, England, and the Kenya Medical Research Institute, to develop a vaccine against schistosomiasis.

\$50,000

For a research and training project, collaborative with the University of Colombo, Sri Lanka and the University of Edinburgh, on the epidemiology of malaria transmission

Medical Research Council,
Banjul, The Gambia
\$36,000

For a research and training project, collaborative with the Department of

Immunology, Wenner-Gren Institute, University of Stockholm and the Department of Community Medicine, Chulalongkorn University, Bangkok, to develop a vaccine against malaria.

New England Medical Center
Hospitals, Inc.,
Boston, Massachusetts
\$79,750

For a research and training project, collaborative with the Christian Medical College Hospital, Vellore, India, on the clinical, epidemiologic, pathogenic and etiological aspects of diarrheal diseases in India.

New York University,
New York
\$29,435

For use by its medical center for a research study on the immunological tissue responses to malaria infections.

Stanford University,
Palo Alto, California
\$72,000

For a research and training project on enteric infections of childhood, collaborative between its Division of Geographic Medicine and the Center for Genetic Engineering and Biotechnology Investigations, Cuernavaca, Mexico

University of Cambridge,
England
\$50,000

For a research and training project, collaborative with the Molteno Laboratories of Parasitology, the Institut Pasteur, Lille, France and the Kenya Medical Research Institute to develop a vaccine against schistosomiasis.

University of Oxford,
England
\$104,800

For a collaborative research and training project with the University of Papua New Guinea to study clinical, pathophysiological and genetic aspects of *Plasmodium falciparum* malaria in Melanesia and Polynesia.

University of Uppsala,
Sweden
\$42,000

For a research and training project, collaborative between its Department of Genetics and the Instituto de Investigaciones Bioquímicas and the Universidad Nacional de Salta, Buenos Aires, Argentina, on the development of a vaccine against *Trypanosoma cruzi*.

- University of Virginia,
Charlottesville
\$26,000
For a research and training project, collaborative between its Division of Geographic Medicine and the Federal University of Ceara Health Center, Fortaleza, Brazil, to reduce the morbidity and mortality of enteric diseases in northern Brazil.
- Foundation-administered project
\$60,000
For administrative expenses, evaluation meetings and site visits
- International Health and Biomedicine (UK & USA) Ltd.,
Washington, D.C.
\$19,300
Toward the costs of organizing a photographic exhibition on the World Health Organization/UNICEF campaign for child immunization.
- International Society for Infectious Diseases,
Boston, Massachusetts
\$24,410
In support of its upcoming Congress in Nairobi, Kenya, June 7-11, 1992.
- Jeff McKinney,
University of Iowa, Iowa City
\$8,400
To enable him to accept a summer externship at the World Health Organization's Expanded Programme on Immunization, Geneva, Switzerland
- Johns Hopkins University,
Baltimore, Maryland
\$23,000
Toward the costs of an investigation of Chinese paralytic syndrome, a new clinical entity that originally was described as Guillain-Barré syndrome
- Khon Kaen University,
Thailand
\$30,700
For a study of the efficacy of a new drug, AC-17, in the treatment of dengue hemorrhagic fever
- Mahidol University,
Bangkok, Thailand
\$15,000
Toward the costs of developing-country scientists participating in the Second
- Asia-Pacific Congress of Medical Virology, held in Bangkok, November 17-22, 1991.*
- National Academy of Sciences,
Washington, D.C.
\$50,000
For use by its Institute of Medicine toward the costs of a project, "Microbial Threats to Health."
- Program for Appropriate Technology in Health (PATH),
Seattle, Washington
\$12,254
Toward the costs of a meeting on the prospects for developing a vaccine against Epstein Barr virus, held in New York City, April 30, 1991
- \$50,000
Toward the costs of an international conference on the control of hepatitis B in developing countries, held in Yaoundé, Cameroon, October 7-9, 1991.
- \$42,000
For the initial work of the Epstein-Barr Virus Vaccine Task Force
- Texas Tech University Health Sciences Center, Lubbock
\$15,000
*For a study on nutritional management of growth retardation in developing-country children recovering from *Shigella* dysentery.*
- University of Surrey,
England
\$84,400
For a research project entitled "Development of Live-Attenuated Japanese Encephalitis Vaccine Adapted to Growth in Primary Chick Embryo Fibroblast Cell Culture."
- University of Texas Medical Branch at Galveston, Texas
\$35,000
For continued support of a research project on the pathogenesis of Dengue Hemorrhagic Fever (DHF) infection
- Vaccine Production Technology Transfer
[1991 - \$900,000, in addition to remaining funds from prior year appropriations]
To make viral vaccine production a generic and technically accessible
- process available at moderate cost to developing countries*
- Mahidol University,
Bangkok, Thailand
\$450,000
For use by its Center for Vaccine Development for support of the dengue vaccine development project.
- Walter Reed Army Institute of Research,
Washington, D.C.
\$38,200
For use by the U.S. and Thai components of the Armed Forces Research Institute of Medical Science (AFRIMS) in establishing a collaborative program of research on virology in Thailand.
- Family And
Community-Based
Health Initiatives
- Carvajal Foundation,
Cali, Colombia
\$43,750
Toward the costs of an external evaluation of its Health and Population Program. (Joint grant with Population Sciences, for a total of \$87,500)
- Commonwealth Regional Health Community Secretariat of East, Central, and Southern Africa,
Arusha, Tanzania
[1991 - \$400,000, in addition to remaining funds from prior year appropriations]
To encourage greater intergration of reproductive health and population issues in the development policies of African countries. (Joint appropriation with Population Sciences, for a total of \$800,000.)
- Family Care International,
New York, New York
\$10,000
In support of its collaborative effort with the African Medical and Research Foundation to improve maternal health services in Kenya by working through the private sector. (Joint grant with Population Sciences, for a total of \$20,000.)
- The Health Transition Program
[1991 - \$425,000, in addition to remaining funds from prior year
- appropriations]
To continue funding for the Health Transition Review and to support baseline research in Nigeria and Mali on social and cultural factors that contribute to inequitable health outcomes. (Joint appropriation with Population Sciences, for a total of \$950,000.)
- Australian National University,
Canberra
\$120,000
In continued support for its international journal, Health Transition Review. (Joint allocation with Population Sciences, for a total of \$240,000.)
- Institut du Sahel,
Bamako, Mali
\$100,000
For use by the Centre d'Etudes et de Recherche sur la Population pour le Developpement (CERPOD) for the development of a demographic surveillance system (Joint allocation with Population Sciences, for a total of \$200,000.)
- Nigerian Institute of Social and Economic Research (NISER),
Ibadan
\$122,265
To support baseline research in Nigeria on the social and cultural factors that contribute to inequitable health outcomes (Joint grant with Population Sciences, for a total of \$244,530.)
- HIV in the Developing World
[1991 - \$750,000, in addition to remaining funds from prior year appropriations]
To help developing countries improve their national research and private-sector capabilities for controlling the spread of the human immunodeficiency virus (HIV) infection. (Joint appropriation with Population Sciences, for a total of \$1,500,000.)
- Chiang Mai University,
Thailand
\$83,705
For a research project entitled, "Thai Military Male Health Study." (Joint allocation with Population Sciences, for a total of \$167,410)
- Chulalongkorn University
Bangkok, Thailand
\$40,975
For use by its Institute of Population Studies for a pilot project on Thailand

as part of a multi-site intervention study of commercial sex workers and HIV transmission. (Joint allocation with Population Sciences, for a total of \$81,950.)

Makerere University,
Kampala, Uganda
\$12,500

For a research study on acyclovir for the treatment of chronic genital and perianal ulceration due to herpes simplex virus infection in patients with HIV infection. (Joint allocation with Population Sciences, for a total of \$25,000.)

Ministry of Health,
Mexico City, Mexico
\$59,344

For a pilot project in Mexico launching a multi-country trial of interventions aimed at reducing the role of commercial sex workers in the transmission of HIV and other sexually transmitted diseases. (Joint allocation with Population Sciences, for a total of \$118,688 with debt swap.)

National Research Institute of Health,
Addis Ababa, Ethiopia
\$23,925

For a pilot project in Ethiopia as part of a multi-site intervention study of commercial sex workers and HIV transmission. (Joint allocation with Population Sciences, for a total of \$47,850.)

New York Community Trust,
New York
\$2,500

Toward the costs of an international HIV/AIDS briefing project organized by Funders Concerned About AIDS (Joint allocation with Population Sciences, for a total of \$5,000.)

Population Council,
New York, New York
\$25,000

For an *in vitro* study of the sexual transmission of HIV across intact epithelia. (Joint grant with Population Sciences, for a total of \$50,000.)

Population and Community Development Association of Thailand, Bangkok
\$50,000

For the second phase of its initiative to prevent the spread of AIDS in Thailand. (Joint allocation with Population Sciences, for a total of \$100,000.)

Program for Appropriate Technology in Health (PATH),
Seattle, Washington
\$29,150

For a planning study in Zimbabwe for the technology transfer of the HIV dipstick (Joint allocation with Population Sciences, for a total of \$58,300.)

Universite Cheikh Anta Diop de Dakar, Senegal
\$12,500

Toward the costs of the Sixth International Conference on AIDS in Africa. (Joint allocation with Population Sciences, for a total of \$25,000.)

University of Nairobi, Kenya
\$12,750

For an evaluation, by its Department of Psychology, of group counseling as a therapeutic intervention for people who are HIV-positive (Joint allocation with Population Sciences, for a total of \$25,500.)

University of Washington, Seattle
\$31,845

For a study, collaborative with the University of Nairobi, Kenya, to assess the nutritional status of children born to HIV-1 seropositive and seronegative mothers in Nairobi (Joint allocation with Population Sciences, for a total of \$63,690.)

Foundation-administered project
\$25,000

For administrative expenses related to steps for improving the capacity of developing-country nongovernmental organizations to respond to the HIV/AIDS challenge. (Joint allocation with Population Sciences, for a total of \$50,000.)

International Women's Health Coalition,
New York, New York
\$25,000

Toward the costs of its program to stimulate international health policy interest in the problem of reproductive tract infections among women in the third world. (Joint grant with Population Sciences, for a total of \$50,000.)

Marine Biological Laboratory,
Woods Hole, Massachusetts
\$35,000

For research on an anti-toxin produced in the ovary of a marine

mollusk which may be useful in the treatment of septic shock and cholera. (Joint grant with Population Sciences, for a total of \$70,000.)

Ministry of Public Health,
Yaoundé, Cameroon
\$26,000

For site visits and information gathering by members of Cameroon's newly established Advisory Board in Epidemiology, preparatory to initiating formal operations.

National Council for International Health,
Washington, D.C.
\$5,000

Toward the costs of its 1991 Annual Conference, held June 23-26, 1991, in Washington, D.C. (Joint grant with Population Sciences, for a total of \$10,000.)

Fawzia N. Rasheed,
Dhaka, Bangladesh
\$12,500

Toward the costs of writing and publishing a study on the increased susceptibility of pregnant women to malaria in The Gambia. (Joint grant with Population Sciences, for a total of \$25,000.)

Research and Policy Boards
[1991 - \$1,110,000, in addition to remaining funds from prior year appropriations]
To continue support for the national health and family planning boards in Thailand, Mexico and Cameroon (Joint appropriation with Population Sciences, for a total of \$1,750,000.)

Ministry of Public Health,
Bangkok, Thailand
\$350,000

In continued support of grant-making activities and further development of the National Epidemiology Board of Thailand. (Joint allocation with Population Sciences, for a total of \$700,000.)

National Epidemiology Board of Cameroon, Yaoundé
\$300,000

Toward its grantmaking activities and further development. (Joint allocation with Population Sciences, for a total of \$350,000.)

Women for Women's Health Program

[1990 - \$350,000, in addition to remaining funds from prior year appropriations]

To assist Malawi and Uganda to develop the capacity for training increased numbers of nurse-midwives and upgrading their skills and status as a way of bringing about sustained reductions in maternal mortality and morbidity. (Joint appropriation with Population Sciences, for a total of \$650,000.)

Case Western Reserve University,
Cleveland, Ohio
\$190,000

For continued funding of a program to help Uganda develop capacity for training increased numbers of nurse-midwives and upgrading their skills and status as a way of bringing about sustained reduction in maternal mortality and morbidity. (Joint allocation with Population Sciences, for a total of \$310,000.)

University of Pennsylvania,
Philadelphia
\$160,000

To help Malawi develop the capacity for training increased numbers of nurse-midwives and upgrading their skills and status as a way of bringing about sustained reduction in maternal mortality and morbidity. (Joint allocation with Population Sciences, for a total of \$320,000.)

World Health Organization (WHO),
Geneva, Switzerland
[1991 - \$300,000, in addition to remaining funds from prior year appropriations]

To continue a program, administered by WHO, to reduce the high rate of maternal mortality in developing countries. (Joint allocation with Population Sciences, for a total of \$600,000.)

Fellowships

Biotechnology Career Fellowships
\$400,000

(Jointly funded with Agricultural Sciences and Population Sciences, for a total of \$1,140,000.)

POPULATION
SCIENCE GRANTS



The population sciences division seeks to enhance reproductive choice in the developing world by supporting work to develop new contraceptive technologies, increase the availability of existing technologies, and identify the constraints, risks, and barriers that affect contraceptive use. The division also supports selected developing countries in strengthening the professional competence needed to establish population policies and effective management of family-planning programs.

Developing Technology
For Fertility Regulation

Biomedical Training and Research
{1991 - \$1,000,000}
To support selected biomedical centers of excellence in Latin America and Africa in order to enhance regional training opportunities and strengthen national capacity for advanced research in contraception, fertility regulation, and women's health

Catholic University of Chile,
Santiago
\$300,000
In support of the research and training program organized by the Reproductive and Developmental Biology Unit and the Laboratory of Endocrinology.

Federal University of Bahia,
Salvador, Brazil
\$300,000
In support of the research and training program in fertility regulation and reproductive health based at its maternity hospital

University of Chile,
Santiago
\$274,950
In support of its research and training program in reproductive biology and endocrinology

Catholic University of Chile,
Santiago
\$67,510
For a comparative study of fertiliza-

tion in animals, to be conducted in its Faculty of Biological Sciences.

\$20,000
For a study, to be conducted at the Faculty of Biological Sciences, on the interaction between sperm and the human oviduct.

Children's Vaccine Initiative
{1991 - \$300,000}
To support vaccine research programs and other activities related to the Children's Vaccine initiative (Joint appropriation with Health Sciences, for a total of \$1,200,000.)

World Health Organization (WHO),
Geneva, Switzerland
\$300,000
In continued support for its Expanded Programme on Immunization and Trans-Diseases Vaccinology Programme. (Joint appropriation with Health Sciences, for a total of \$500,000.)

Contraceptive Introduction Projects
{1990 - \$2,000,000}
To promote field studies and operations research in developing countries as their family planning programs introduce new contraceptive methods.

Population Council,
New York, New York
\$400,000
To enable the Council to participate in a postmarketing surveillance of Norplant contraceptive implants in developing countries.

State Family Planning Commission,
Beijing, China
\$100,000
To enable the Commission to demonstrate the advantages of an enhanced rural family planning system that integrates improved methods of contraception with better training of local family planning personnel

University of Pennsylvania,
Philadelphia
\$51,750
To enable its Population Studies Center to provide technical assistance to the Chinese State Family Planning Commission as the latter undertakes a field experiment in family planning in rural China.

World Health Organization (WHO),
Geneva, Switzerland
\$700,000
To enable WHO to monitor health, safety, and acceptability issues of the Norplant contraceptive method.

Instituto de Biología y Medicina Experimental,
Buenos Aires, Argentina
\$35,000
For a study of factors from human follicular fluid which affect follicular maturation and the capacitation of sperm.

Instituto Nacional de la Nutrición Salvador Zubirán,
Mexico City, Mexico
\$35,500
For a study of the physiological effects of follicle-stimulating hormone on the function of the pituitary-gonadal axis.

\$10,000
To enable scientists from developing countries to attend a meeting of the Latin American Association of Research in Human Reproduction, held in Caracas, Venezuela, May 1991

Johns Hopkins University,
Baltimore, Maryland
\$74,440
For research in its School of Medicine on luteal angiogenic factor

Alexandre Psychoyos,
Bicêtre, France
\$35,000
To study the effects of antiprogestins and a plant product provided by the

National Institute of Immunology,
New Delhi, on preovulatory and preovulatory phenomena.

Research Support for Population Scientists in Reproductive Biology and Policy Studies Returning to Developing Countries
{1989 - \$500,000, in addition to remaining funds from prior year appropriations}
To provide research support for population scientists returning to their home countries at the completion of their fellowships. (Other grants from this appropriation are listed under second guideline, Improving Population Policies and Programs.)

Alexandria University,
Egypt
\$34,000
For research on male fertility, to be conducted in its Faculty of Medicine.

Catholic University of Chile,
Santiago
\$27,820
For a study of ciliary movement in the fallopian tube, to be conducted in the Faculty of Biological Sciences.

Centro de Pesquisas e Controle das Doenças Materno-Infantis de Campinas (CEMICAMP),
Brazil
\$29,600
For a study of precocious cortical granule release, zona pellucida modifications and sperm-zona pellucida interactions during maturation of the human oocyte.

Escola Paulista de Medicina,
São Paulo, Brazil
\$51,670
For research on how hormones and other factors regulate the Sertoli cell.

Instituto de Biología y Medicina Experimental,
Buenos Aires, Argentina
\$36,220
For a study of the regulation of testicular steroidogenesis by endocrine and paracrine factors.

North-Eastern Hill University,
Shillong, India
\$26,000
For research on the selective killing of gonadal cells by hormonotoxins.

University of Buenos Aires,
Argentina
\$35,050

For a study of reproductive abnormalities in the progeny of diabetic rats to be conducted in the School of Medicine

\$35,000

For a study in its Faculty of Pharmacy and Biochemistry on oxidative damage to sperm and its relevance to human fertility

Universidad Nacional de Tucuman, San Miguel de Tucuman, Argentina
\$25,000

For a study to be conducted in the Medical School on how cholesterol and other sperm membrane lipids affect the acrosome reaction

Research on Topics Related to Clinical Applications of Gossypol [1990 - \$500,000 in addition to remaining funds from prior appropriations]

To support research on the antifertility and antiviral activity of gossypol

Universidad Nacional Autonoma de Mexico, Mexico City
\$35,200

For a study of gossypol's effects on the interactions between spermatogenic and Sertoli cells to be conducted in its Department of Developmental Biology

Zhejiang Academy of Medical Sciences, Hangzhou, China
\$28,650

For a study of gossypol antifertility-sensitive enzymes as warning indicators for monitoring the occurrence of gossypol-induced sterility

Population Sciences in Sub-Saharan Africa [1989 - \$1,250,000 in addition to remaining funds from prior year appropriations]

To continue to strengthen the capacity of African institutions and improve understanding of population trends in sub-Saharan Africa. Other grants are listed under the division's second guideline: Improving Population Policies and Programs.

Commonwealth Regional Health Community Secretariat for East Central, and Southern Africa, Arusha, Tanzania
\$85,640

For a study of patterns of contraceptive use and the health of women in

Kenya Mauritius Swaziland Uganda and Zambia

South-to-South Cooperation in the Population Sciences and Reproductive Health

[1990 - \$2,000,000 in addition to remaining funds from prior year appropriations]

To support South-to-South Cooperation in the population sciences and reproductive health (Other grants from this appropriation are listed under the division's second guideline: Improving Population Policies and Programs.)

Asociacion Dominicana Pro-Bienestar de la Familia, Inc., Santo Domingo, Dominican Republic
\$65,390

To enable it to participate in an international study to develop a single contraceptive implant using norgestrol acetate

Catholic University of Chile, Santiago
\$16,120
To enable its Department of Endocrinology to train a colleague from the Shanghai Institute of Planned Parenthood Research

Centro de Pesquisa e Assistencia em Reproducao Humana (CPARH), Salvador, Brazil
\$63,200

For a study of hormone levels in women using a single contraceptive implant containing norgestrol acetate

Chinese Academy of Sciences, Beijing
\$10,200

To enable the Shanghai Institute of Materia Medica to participate in an international study to develop a single contraceptive implant using norgestrol acetate

Organizacao Internacional de Pesquisa em Saude Reprodutiva, Salvador, Brazil
\$1,000,000

For its program of South-to-South cooperation to develop new contraceptive methods and improve reproductive health

Programa Latinoamericano de Capacitacion e Investigacion in Reproduccion Humana, Mexico City, Mexico
\$14,560

To enable it to participate in an international multicenter clinical trial using an anti-hCG vaccine in patients with lung cancer

University of Chile, Santiago
\$14,100

To enable its Faculty of Medicine to participate in an international multicenter clinical trial using an anti-hCG vaccine in patients with lung cancer

University of Lagos, Nigeria
\$21,870

To enable its Department of Obstetrics and Gynaecology to participate in an international study to develop a single contraceptive implant containing norgestrol acetate

University of Chile, Santiago
\$35,000
For a study of the endocrinology of the human corpus luteum

University of Lagos, Nigeria
\$25,000

For a study of the effects of chloroquine, an antimalarial drug, on spermatogenesis and fertility in rats

University of Pennsylvania, Philadelphia
\$20,000
To enable developing-country scientists to attend a conference on the scientific and ethical issues surrounding gametes fertilization and the fallopian tube held in October 1991

Improving Population Policies And Programs

Al-Azhar University, Cairo, Egypt
\$25,000

Toward the costs of a conference on bioethics in human reproduction research in the Muslim world held at the International Islamic Center for Population Studies and Research Cairo in December 1991

Center for Population Options, Washington, D C
\$50,000

Toward the costs of a conference on adolescent health in Africa held in collaboration with the Centre for the Study of Adolescence Nairobi

Columbia University, New York, New York
[1991 - \$200,000 in addition to remaining funds from prior year appropriations]
To enable its Center for Population and Family Health to provide selected African institutions with technical assistance that strengthens their ability both to carry out and to improve family planning and health programs

International Health and Biomedicine, Ltd
East Sussex, United Kingdom
\$25,000

For a media project focusing on the relationships between rapid population growth, the status and health of women, and the environment

International Union for the Scientific Study of Population
Liege, Belgium
\$10,000

Toward the costs of a conference to be held in Veracruz, Mexico in May 1992 on the peopling of the Americas

National Archives Trust Fund Board, Washington, D C
\$15,000

Toward the costs of the Margaret Sanger Papers Project (Joint grant with Arts & Humanities for a total of \$30,000.)

Population Sciences in Sub-Saharan Africa [1991 - \$600,000 in addition to remaining funds from prior year appropriations]
To continue to strengthen the capacity of African institutions and improve understanding of population trends in sub-Saharan Africa

African Medical and Research Foundation, Nairobi, Kenya
\$34,200
To enable a member of its staff to receive advanced training at the

School of Hygiene and Public Health
Johns Hopkins University

Africa Press Trust,
Lusaka, Zambia
\$17,800

For a meeting and publication costs in connection with the formation of a network of African journalists interested in population issues

Charles Kweku Brown, Centre for Development Studies,
University of Cape Coast Ghana
\$34,790

To study aging and family care in Ghana

Caroline Ifeka, Australian National University, Canberra and Jean-Felix Loung, Institute for Human Sciences, Yaounde Cameroon
\$59,920

To study women's status and differences in fertility among Pygmies rural villagers and townfolk in southern Cameroon

Lawrence Ikamari University of Nairobi, Kenya, Linda H. Werner, Nairobi, Kenya, and Thomas E. Dow Jr. State University of New York, Purchase, New York
\$90,000

For a study to be conducted at the University of Nairobi's Population Studies and Research Institute on fertility decline in rural Kenya 1981-1991

International Union for the Scientific Study of Population,
Liege, Belgium
\$40,000

For a seminar on the course of the fertility transition in sub-Saharan Africa held in Harare Zimbabwe in November 1991

Eileen Kennedy, International Food Policy Research Institute,
Washington, D.C. and
James Otieno, Ministry of Planning,
Nairobi Kenya
\$70,300

To study the role of women's status in determining marital fertility and nutritional and health status in rural Kenya

Snyisa Anota Khasiani, Population Studies and Research Institute
University of Nairobi, and
Wamama African Research and Documentation Institute,
Nairobi, Kenya
\$49,910

To study the impact of migration on women's status in Kenya

Makerere University,
Kampala, Uganda
\$52,330

To strengthen its population research and training program

Xavier M. Mhozya, University of Botswana, Gaborone
\$33,700

To study the consequences of population growth for economic development in Botswana

Gbolahan A. Oni,
Department of Epidemiology and Community Health,
University of Ilorin Nigeria
\$16,938

For further analysis of the data he has collected on the determinants of fertility in Ilorin

Andrew G. Onokerhoraye and FI Omorodion,
University of Benin,
Benin City, Nigeria
\$48,630

For a comparative study of rural community structure and contraceptive use in selected Nigerian communities

Alberto Palloni, University of Wisconsin, Madison
and M. Sala-Diakanda Institut de Formation et de Recherche Demographiques,
Yaounde, Cameroon
\$86,050

To study the determinants of infant and child mortality in Yaounde Cameroon

Princeton University,
New Jersey
\$20,000

For research on the fertility transition in Africa by its Office of Population Research

Mary Benedicta Tumwesigye,
Kampala, Uganda
\$28,000

To enable her to study demography at the London School of Economics and Political Science

University of Ibadan, Nigeria
\$447

For a study at its College of Medicine on the relationship between sexually-transmitted diseases and male infertility in Nigeria

University of Kinshasa,
Zaire
\$14,180

For a study of the interrelationships between employment education and fertility in urban Zaire

Etienne Van de Walle, University of Pennsylvania, Philadelphia and C. L. Kamuzora, University of Dar es Salaam, Tanzania
\$47,560

To study the demand for children among married women in a rural area of Tanzania

Foundation-administered project
\$50,000
For administrative costs and consultants fees

Princeton University,
New Jersey
\$25,000

For a study of the contraceptive efficacy of the diaphragm sponge and cervical cap to be conducted by its Office of Population Research

Research on Evaluation of Family Planning Programs in Developing Countries
[1989 - \$500,000 in addition to remaining funds from prior year appropriations]

To identify through case studies of family planning programs in selected developing countries the key elements that policy personnel and program managers need to consider for strengthening national population programs

Population Council,
New York, New York
\$65,000

To compile and publish a report identifying major findings from international research on family planning programs

United Nations Population Fund
New York, New York
\$200,000

For studies of contraceptive requirements and logistics management needs in selected developing countries

University of Dhaka
Bangladesh
\$69,980

For phase two of a study of family planning program effort and performance in Bangladesh

World Bank,
Washington, D.C.
\$50,000

In support of its regional consultation on family planning program-effectiveness in tropical Africa

Research on the Relationship between the Status of Women in Developing Countries and Fertility [1991 - \$300,000 in addition to remaining funds from prior year appropriations]
To continue support for research on women's status and fertility in developing countries

Sajeda Amin, Bangladesh Institute of Development Studies, Dhaka, and Mead Cain, Population Council, New York, New York
\$58,200

For a study of the causes and consequences of change in family structure and women's status in Bangladesh

Chang Ming-cheng, Taiwan Provincial Institute of Family Planning, and Maxine Weinstein, Georgetown University,
Washington, D.C.
\$57,110

To study how declines in fertility have affected the status of women in Taiwan

Deborah S. DeGraff and Richard E. Billsborrow, University of North Carolina at Chapel Hill, and Alejandro N. Herrin, University of the Philippines, Manila
\$65,900

To study how high fertility and women's status affect the education of Philippine children

David Lam, Population Studies Center, University of Michigan, and Guilherme Sedlacek, Instituto de Planejamento Economico e Social/Instituto de Pesquisas,
Rio de Janeiro, Brazil
\$60,000

To study the relationship between women's education, labor force participation and fertility decline in Brazil

Carla Makhoul Obermeyer, Harvard University, Hager Bahri, Centre de Recherche et de Formation Pedagogique, Tunis, Tunisia, and Aicha Belarbi, Faculte des Sciences de l'Education, Rabat, Morocco
\$62,000

To study how preference for sons and differential treatment of children by

sex affects fertility in Morocco and Tunisia.

Edith Alejandra Pantelides and Rosa Noemi Geldstein,
Centro de Estudios de Población,
Buenos Aires, Argentina
\$59,730

To study how gender images affect adolescent reproductive behavior in Argentina.

Sriwijaya University,
Palembang, Indonesia
\$35,350

For a study of family structure, female autonomy, and fertility in rural South Sumatra, Indonesia

Research Support for Population Scientists in Reproductive Biology and Policy Studies Returning to Developing Countries
(Other grants from this appropriation are listed under the division's first guideline, *Developing Technology for Fertility Regulation*.)

Peking University,
Beijing, China
\$20,700

For a study of differences in fertility patterns between Han and Mongolian herdsmen in the Inner Mongolia Autonomous Region of China.

University of Dar es Salaam,
Tanzania
\$22,610

For a study of how social and environmental factors affect child mortality rates among refugees from Burundi living in Tanzania.

Social Science Research Council (SSRC),
New York, New York
\$11,805

For a project designed to improve our understanding of the relationships between population growth and the quality of the environment. (Joint grant with Arts & Humanities, for a total of \$23,610.)

South-to-South Cooperation in the Population Sciences and Reproductive Health
(Other grants from this appropriation are listed under the division's first guideline, *Developing Technology for Fertility Regulation and Family*.)

Instituto Nacional de la Nutrición Salvador Zubirán,
Mexico City, Mexico
\$3,200

To enable the Institute to participate in an international study to quantify the health benefits of contraceptive counseling for young women at risk of repeated abortions.

University of Jos,
Nigeria
\$4,250

To enable its Department of Obstetrics and Gynecology to participate in an international study to quantify the health benefits of contraceptive counseling for young women at risk of repeated abortions.

Universidad de Los Andes,
Bogotá, Colombia
\$12,250

For a study comparing the fertility transition in Colombia and Venezuela, countries with markedly different patterns of development.

Family And
Community-Based
Health Initiatives

Asociación Dominicana Pro-Bienestar de la Familia, Inc.,
Santo Domingo, Dominican Republic
\$100,000

To enable Profamilia to conduct a survey on sexual experience and contraceptive practice among young people in the Dominican Republic.

Carvajal Foundation,
Cali, Colombia
\$43,750
Toward the costs of an external evaluation of its Health and Population Program. (Joint grant with Health Sciences, for a total of \$87,500.)

Commonwealth Regional Health Community Secretariat of East, Central, and Southern Africa,
Arusha, Tanzania
[1991 - \$400,000, in addition to remaining funds from prior year appropriations]
To encourage greater integration of reproductive health and population issues in the development policies of African countries. (Joint appropria-

tion with Health Sciences, for a total of \$800,000.)

Family Care International,
New York, New York
\$10,000

For collaborative effort with the African Medical and Research Foundation to improve maternal health services in Kenya by working through the private sector. (Joint grant with Health Sciences, for a total of \$20,000.)

Health Transition Program
[1991 - \$525,000, in addition to remaining funds from prior year appropriations]

To continue funding for the *Health Transition Review* and to support baseline research in Nigeria and Mali on social and cultural factors that contribute to inequitable health outcomes. (Joint appropriation with Health Sciences, for a total of \$950,000.)

Australian National University,
Canberra
\$120,000

In continued support for its international journal, *Health Transition Review*. (Joint allocation with Health Sciences, for a total of \$240,000.)

Institut du Sahel,
Bamako, Mali
\$100,000

For use by the Centre d'Etudes et de Recherche sur la Population pour le Développement (CERPOD) for the development of a demographic surveillance system. (Joint allocation with Health Sciences, for a total of \$200,000.)

Nigerian Institute of Social and Economic Research (NISER),
Ibadan, Nigeria
\$122,265

To support baseline research in Nigeria on the social and cultural factors that contribute to inequitable health outcomes. (Joint allocation with Health Sciences, for a total of \$244,530.)

HIV in the Developing World
[1991 - \$750,000, in addition to remaining funds from prior year appropriations]
To help developing countries improve their national research and private-sector capabilities for controlling the

spread of human immunodeficiency virus (HIV) infection. (Joint appropriation with Health Sciences, for a total of \$1,500,000.)

Chiang Mai University,
Thailand
\$83,705

For a research project entitled, "Thai Military Male Health Study" (Joint allocation with Health Sciences, for a total of \$167,410.)

Chulalongkorn University,
Bangkok, Thailand
\$40,975

For use by its Institute of Population Studies for a pilot project in Thailand as part of a multi-site intervention study of commercial sex workers and HIV transmission. (Joint allocation with Health Sciences, for a total of \$81,950.)

Makerere University,
Kampala, Uganda
\$12,500

For a research study on acyclovir for the treatment of chronic genital and perianal ulceration due to herpes simplex virus infection in patients with HIV infection. (Joint allocation with Health Sciences, for a total of \$25,000.)

Ministry of Health,
Mexico City, Mexico
\$59,344

For a pilot project in Mexico launching a multi-country trial of interventions aimed at reducing the role of commercial sex workers in the transmission of HIV and other sexually transmitted diseases. (Joint allocation with Health Sciences, for a total of \$118,000 with debt swap.)

National Research Institute of Health,
Addis Ababa, Ethiopia
\$23,925

For a pilot project in Ethiopia as part of a multi-site intervention study of commercial sex workers and HIV transmission. (Joint allocation with Health Sciences, for a total of \$47,850.)

New York Community Trust,
New York
\$2,500

Toward the costs of an international HIV/AIDS briefing project organized by Funders Concerned About AIDS. (Joint allocation with Health Sciences, for a total of \$5,000.)

Population and Community Development Association of Thailand, Bangkok
\$50,000

For the second phase of its initiative to prevent the spread of AIDS in Thailand. (Joint allocation with Health Sciences, for a total of \$100,000.)

Population Council, New York, New York
\$25,000

For an in vitro study of the sexual transmission of HIV across intact epithelia. (Joint allocation with Health Sciences, for a total of \$50,000.)

Program for Appropriate Technology in Health (PATH), Seattle, Washington
\$29,150

For a planning study in Zimbabwe for the technology transfer of the HIV dipstick. (Joint allocation with Health Sciences, for a total of \$58,300.)

Universite Cheikh Anta Diop de Dakar, Senegal
\$12,500

Toward the costs of the Sixth International Conference on AIDS in Africa. (Joint allocation with Health Sciences, for a total of \$25,000.)

University of Nairobi, Kenya
\$12,750

For an evaluation, by its Department of Psychology, of group counseling as a therapeutic intervention for people who are HIV-positive. (Joint allocation with Health Sciences, for a total of \$25,500.)

University of Washington, Seattle
\$31,845

For a study, collaborative with the University of Nairobi, Kenya, to assess the nutritional status of children born to HIV-1 seropositive and seronegative mothers in Nairobi. (Joint allocation with Health Sciences, for a total of \$63,690.)

Foundation-administered project
\$25,000

For administrative expenses related to steps for improving the capacity of developing-country nongovernmental organizations to respond to the HIV/AIDS challenge. (Joint allocation with Health Sciences, for a total \$50,000.)

International Women's Health Coalition, New York, New York
\$25,000

Toward the costs of its program to stimulate international health policy interest in the problem of reproductive tract infections among women in the third world. (Joint grant with Health Sciences, for a total of \$50,000.)

Marine Biological Laboratory, Woods Hole, Massachusetts
\$35,000

For research on an anti-toxin produced in the ovary of a marine mollusk which may be useful in the treatment of septic shock and cholera. (Joint grant with Health Sciences, for a total of \$70,000.)

National Council for International Health, Washington, D.C.
\$5,000

Toward the costs of its 1991 Annual Conference, held June 23-26, 1991, in Washington, D.C. (Joint grant with Health Sciences, for a total of \$10,000.)

Fawzia N. Rasheed, Dhaka, Bangladesh
\$12,500

Toward the costs of writing and publishing a study on the increased susceptibility of pregnant women to malaria in The Gambia. (Joint grant with Health Sciences, for a total of \$25,000.)

Research and Policy Boards [1990 - \$650,000, in addition to remaining funds from prior year appropriations]

To continue support for the national health and family planning boards in Thailand, Mexico and Cameroon. (Joint appropriation with Health Sciences, for a total of \$1,750,000)

Ministry of Public Health, Bangkok, Thailand
\$350,000

For continued support of grantmaking activities and further development of the National Epidemiology Board of Thailand. (Joint allocation with Health Sciences, for a total of \$700,000.)

National Epidemiology Board of Cameroon, Yaoundé
\$50,000

Toward its grantmaking activities and further development. (Joint allocation with Health Sciences, for a total of \$350,000.)

Women for Women's Health [1990 - \$300,000, in addition to remaining funds from prior year appropriations]

To help Malawi and Uganda develop the capacity for training increased numbers of nurse-midwives and upgrading their skills and status as a way of bringing about sustained reduction in maternal mortality and morbidity. (Joint appropriation with Health Sciences, for a total of \$650,000.)

Case Western Reserve University, Cleveland, Ohio
\$140,000

For continued funding of a program to help Uganda develop capacity for training increased numbers of nurse-midwives and upgrading their skills and status as a way of bringing about sustained reduction in maternal mortality and morbidity. (Joint allocation with Health Sciences, for a total of \$310,000.)

University of Pennsylvania, Philadelphia
\$160,000

To help Malawi develop the capacity for training increased numbers of nurse-midwives and upgrading their skills and status as a way of bringing about sustained reduction in maternal mortality and morbidity. (Joint allocation with Health Sciences, for a total of \$320,000.)

World Health Organization (WHO), Geneva, Switzerland

[1991 - \$300,000, in addition to remaining funds from prior year appropriations]
To continue a program, administered by WHO, to reduce the high rate of maternal mortality in developing countries. (Joint grant with Health Sciences, for a total of \$600,000.)

Fellowships

Biotechnology Career Fellowships
\$300,000

(Jointly funded with Agricultural Sciences and Health Sciences, for a total of \$1,140,000.)

GLOBAL

ENVIRONMENTAL PROGRAM

GRANTS



The global environmental program supports work promoting the skills, attitudes, relationships, and institutions necessary for environmentally sound international development. Science-focused activities within this new initiative are carried out through the agricultural, health, and population sciences divisions.

Bellagio Series on the Environment [1989 - \$525,000]
To fund a special series of ten Bellagio conferences on the environment.

the economics of global warming issues for developing countries, held October 3-7, 1991.

Massachusetts Institute of Technology, Cambridge
\$54,000

Toward the costs of a conference on

\$60,000

For expenses related to planning and holding a January 1992 conference, "Transition to a Global Climate Change Regime."

Royal Swedish Academy of Sciences, Stockholm, Sweden \$36,434 <i>For use by its International Council of Scientific Unions (ICSU) toward the costs of a conference entitled "Global Change Regional Research Centres From Concepts to Reality," held December 1990</i>	Commonwealth Science Council, London, England \$30,000 <i>Toward the costs of a workshop entitled "Cassava as a Cash Crop for Fodder, Food, Chemicals and Liquid Fuels"</i>	\$100,000 <i>To initiate a program of renewable energy development in third-world countries</i>	International Institute for Environment and Development, London, England \$35,000 <i>Toward a study entitled "The Development of a Focus Group for Biomass within the OECD Countries"</i>
World Wildlife Fund, Washington, D C \$57,500 <i>Toward the costs of a conference on technology transfer related to global climate change, held October 28-November 1, 1991</i>	Conservation International Foundation, Washington, D C \$20,000 <i>Toward the costs of a symposium, "Humid Tropical Lowlands Development Strategies and Natural Resource Management," held in Panama City, Panama, June 18-21, 1991</i>	\$100,000 <i>Toward the costs of assessing the technical feasibility and marketability in developing countries of biomass-fueled advanced gas turbines for generating electrical energy</i>	International Social Science Council, Paris, France \$100,000 <i>Toward its costs in assigning a social scientist for two years to the International Geosphere-Biosphere Programme Secretariat, Stockholm</i>
Foundation-administered project \$6,000 <i>Toward administrative expenses of the Bellagio Series on the Environment</i>	Conservation Law Foundation, Boston, Massachusetts \$30,000 <i>Toward the costs of developing comprehensive energy-efficient designs for two Caribbean hotels</i>	Global Tomorrow Coalition, Washington, D C \$12,000 <i>To enable LDC participants to attend and present case studies at the GLOBESCOPE AMERICAS Assembly, held October 29 - November 2 1991 in Miami, Florida</i>	Leadership for Development and the Environment Program [1991 - \$1,300,000, in addition to remaining funds from prior year appropriations] <i>To initiate the "21st Century Leadership Development Program," a global network of leaders dedicated to environmentally sound development strategies</i>
BRASCEP Engenharia, Ltda, Rio de Janeiro, Brazil \$100,000 <i>Toward the costs of a pre-investment study of the Biomass Integrated Gasification/Gas Turbine technology</i>	Cultural Survival, Inc., Cambridge, Massachusetts \$90,000 <i>For use by its Cultural Survival Enterprises to evaluate their current trading efforts and develop strategies for expanding those activities globally</i>	Instituto Autonomo de Investigaciones Ecológicas, A C., Mexico City, Mexico \$50,000 <i>(1) To conduct an analysis of the environmental implications of the US - Mexico-Canada Free Trade Agreement, and to plan and implement a trilateral conference on the subject, and (2) to extend its environmental awareness training program to major companies in Mexico's chemical-pharmaceutical sector</i>	Fundação Pró-Naturcza, Brasília, Brazil \$150,000 <i>Toward the design and establishment of the 21st Century Leadership Development Program in Brazil</i>
Center for Applied Studies in International Negotiations (CASIN), Geneva, Switzerland \$29,750 <i>Toward the costs of a seminar on Reconciling International Economic Policies with Environmental Protection," held in Geneva October 30 - November 8 1991</i>	Electrical Energy Efficiency in Developing Countries [1991 - \$1 000,000] <i>To provide start-up funding for a pilot program of international cooperation on electrical energy efficiency in developing countries</i>	\$5,000 <i>Toward the purchase of audiovisual equipment for use in its programs</i>	State Ministry for Population and Environment of Indonesia, Jakarta \$100,000 <i>Toward planning and organizational activities for participation in the 21st Century Leadership Development Program</i>
Center for Social, Environmental and Technological Research (CISAT), San José, Costa Rica \$16,000 <i>Toward the participation of Central American delegates in the Food and Agriculture Organization's conference "Debt for Nature Swap in Latin America"</i>	Conservation Law Foundation, Boston, Massachusetts \$150,000 <i>To carry out energy analyses in connection with the development and implementation of an energy efficiency program in Jamaica</i>	Institute for Local Self-Reliance, Washington, D C \$40,000 <i>For research on the commercial applications of production processes based on plant matter</i>	Foundation-administered project \$425,000 <i>Program support expenses</i>
\$3,000 <i>Toward the costs of a seminar on "Economic Policies for Sustainable Development in Central America"</i>	Energy Conversion Devices, Troy, Michigan \$70,000 <i>Toward the costs of a demonstration project in India on the manufacture and distribution of photovoltaic lanterns to rural communities</i>	Institute for 21st Century Studies, Molndal, Sweden \$12,500 <i>Toward the costs of an international workshop "African Cultures - African Futures," held in Ibadan, Nigeria on April 22-26, 1991</i>	New York Rainforest Alliance, Inc., New York \$40,000 <i>Toward the costs of a study of viable marketing and trade strategies for non-timber forest products in Southeast Asia</i>
Climate Institute, Washington, D C \$100,000 <i>To provide developing-country policy-makers in India, Bangladesh, Nigeria and Brazil with briefings on the impacts of global climate change</i>	Environmental Enterprises Assistance Fund, Arlington, Virginia	International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria \$25,000 <i>For the participation of a developing-country scholar in IIASA's environment and development project for the 1992 UNCED conference</i>	Office of General Coordination of Environmental Projects of Mexico City, Mexico \$70,000 <i>Toward the costs of a study on the transport and disposal of hazardous and toxic waste in the Mexico City area</i>

Orangi Pilot Project,
Karachi, Pakistan
\$45,000
To build on its initial success, helping Karachi's largest squatter colony develop a self-managed, self-financed sanitation system, by extending the experiment to other such colonies in Pakistan.

Resources Development Foundation,
New York, New York
\$50,000
To assist developing countries in selecting energy supply and transmission systems.

Social Justice Committee of Montreal,
Quebec, Canada
\$1,000
Toward the costs of developing educational resources for its Debt and Environment Program.

U.S. Energy Program
[1990 - \$2,200,000]
To establish the Energy Foundation and its program on U.S. energy efficiency and renewable energy sources - a collaborative initiative with the MacArthur Foundation and the Pew Charitable Trusts.

Energy Foundation,
San Francisco, California
\$775,000
Toward its operating and program expenses.

Trust for Public Land,
San Francisco, California
\$100,000
Toward support of its Energy Project.

University of Ilorin,
Nigeria
\$18,750
For a study of the Forest Reserve Program in Kwara state.

University of São Paulo, Brazil
\$10,000
Toward the costs of a course on Groundwater Pollution, held in São Paulo, November 1991.

University of Tennessee, Knoxville
\$13,700
Toward the costs of conducting a feasibility study for a biomass-to-electricity project in Yunnan Province, China.

\$17,740
Toward technical assistance for the planning stage of a biomass-to-electricity project in Yunnan Province, China.

University of Wisconsin, Madison
\$48,000
In support of research by its Department of Forestry on the development of disposable and biodegradable products from jute.

Winrock International Institute for Agricultural Development,
Arlington, Virginia
\$15,000
To provide technical assistance for a demonstration project in India on the manufacture and distribution of photovoltaic lanterns in rural communities.

AFRICAN
INITIATIVES GRANTS

The African initiatives program supports a small number of science-based development projects in Africa that cross the traditional boundaries of the agricultural, health, and population sciences, and the global environmental program.

African Academy of Sciences,
Nairobi, Kenya
\$50,000
Toward the costs of the Third Pan African Congress of Mathematicians, held in Nairobi, August 20-23, 1991

African Dissertation Internship Awards
[1991 - \$1,000,000, in addition to remaining funds from prior year appropriations]
To enable outstanding African graduate students enrolled in North American universities to undertake supervised doctoral research in Africa, as a means of increasing the relevance of their work to a future career in that region.

Addis Ababa University, Ethiopia
\$2,500
For administrative costs associated with Tesfaye Wolde-Medhin's dissertation research.

African Academy of Sciences,
Nairobi, Kenya
\$50,000
To continue to explore and institute mechanisms for ensuring the integration of the Foundation's African Dissertation Internship awardees into the African scientific community once they have finished their graduate work.

MaryPaul Asoegwu, doctoral candidate from Nigeria, award administered by Loyola University, Chicago
\$23,000
To conduct dissertation research at Obafemi Awolowo University, Ile-Ife, Nigeria
Research Title: "Women in Religion and Development: A Comparative Study of the Roman Catholic Church and the African Independent Churches."

Bunda College of Agriculture, University of Malawi, Lilongwe
\$2,500
For administrative costs associated with Charles Mataya's dissertation research.

Center for Nutrition, Institute of Medical Research and Medicinal Plant Studies, Yaoundé, Cameroon
\$2,500
For administrative costs associated with Philomina Gwanfogbe's dissertation research.

Egerton University, Njoro, Kenya
\$2,500
For administrative costs associated with Ellene Kebede's dissertation research.

\$2,500
For administrative costs associated with Francis N. Wegulo's dissertation research.

Adipala Ekwamu, doctoral candidate from Uganda, award administered by Ohio State University, Columbus
\$34,315
To conduct dissertation research at Makerere University, Kampala, Uganda
*Research Title: "The Reaction of Maize to Isolates of *Exserohilum turcicum* from Ohio to Uganda."*

Mohamed Elhanan, doctoral candidate from the Republic of Sudan, award administered by Washington State University, Pullman
\$22,540
To conduct dissertation research at the Sudan Ministry of Agriculture, Khartoum.
Research Title: "Economic Efficiency and Sustainability of Crop, Grazing, and Forest Use of Land in North Kordofan, Sudan."

- Kisangani N Emizet, *doctoral candidate from Zaïre, award administered by the University of Iowa, Iowa City*
\$29,350
To conduct dissertation research at the University of Kinshasa
Research Title "Impact of Smuggling and Corruption on Sub-Saharan African Trade and Political Cleavages The Case of Zaïre"
- John Peter Esole, *doctoral candidate from Uganda, award administered by Texas A&M University, College Station*
\$4,150
To enable Mr Esole's supervisor at the Ugandan Ministry of Agriculture to attend his dissertation defense at Texas A&M University
- Fourah Bay College, University of Sierra Leone, Freetown
\$2,500
For administrative costs associated with Augustine Konneh's dissertation research
- Oladele Surajudeen Gazal, *doctoral candidate from Nigeria, award administered by Iowa State University, Ames*
\$26,200
To conduct dissertation research at the National Animal Production Research Institute, Ahmadu Bello University, Zaria, Nigeria
Research Title "Improvement of Reproductive Performance in Indigenous Nigerian White Fulani (Zebu) Cattle"
- Philomna Gwanfogbe, *doctoral candidate from Cameroon, award administered by Kansas State University, Manhattan*
\$22,150
To conduct dissertation research at the Center for Nutrition, Institute of Medical Research and Medicinal Plant Studies, Cameroon
Research Title "The Use of Positive and Negative Deviant Technique to Identify Determinants of Children's Nutritional Status in Rural Cameroon (western province)"
- Imo State University, Okigwe, Imo State, Nigeria
\$2,500
For administrative costs associated with Andrew Okolie's dissertation research
- Institute of Human Sciences, Ministry of Sports, Arts and Culture, Bamako, Mali
\$2,500
For administrative costs associated with Yacouba Konate's dissertation research
- International Council for Research in Agroforestry, Nairobi, Kenya
\$2,500
For administrative costs associated with Bashir Jama's dissertation research
- Bashir Jama, *doctoral candidate from Kenya, award administered by the University of Florida, Gainesville*
\$25,062
To conduct dissertation research at the International Council for Research in Agroforestry, Nairobi Kenya
Research Title "Soil Fertility and Productivity Aspects of Alley Cropping Leucaena leucocephala and Cassia siamea under Semi-Arid Conditions at Machakos, Kenya"
- Ellene Kebede, *doctoral candidate from Ethiopia, award administered by Oklahoma State University, Stillwater*
\$23,525
To conduct dissertation research at Egerton University, Njoro, Kenya
Research Title "Decision Aids for Smallholder Producer Organizations in Transition from Controlled to Free Market Economies"
- Kenya Agricultural Research Institute, Nairobi
\$2,500
For administrative costs associated with Reuben Kipngeno Soi's dissertation research
- \$2,500
For administrative costs associated with Ephraim Mukisira's dissertation research
- Kenyatta University, Nairobi, Kenya
\$2,500
For administrative costs associated with Kimani Njogu's dissertation research
- Yacouba Konate, *doctoral candidate from Mali, award administered by the State University of New York, Binghamton*
\$23,850
To conduct dissertation research at the Institute of Human Sciences, Ministry
- of Sports, Arts and Culture, Mali*
Research Title "Household Income and Agricultural Strategies in the Peri-urban Zone of Bamako, Mali"
- Makerere University, Kampala, Uganda
\$2,500
For administrative costs associated with Adipala Ekwamu's dissertation research under the auspices of its millet program
- Charles Mataya, *doctoral candidate from Malawi, award administered by the University of Alberta, Canada*
\$31,000
To conduct dissertation research at the Bunda College of Agriculture, University of Malawi, Lilongwe
Research Title "The Impact of Currency Devaluation on Agricultural Trade The Case of Malawi"
- Narcisse de Medeiros, *doctoral candidate from Benin, award administered by the University of Montreal, Canada*
\$23,900
To conduct dissertation research at the University of Benin Cotonou
Research Title "Qualitative Empirical Study of Viewers Reception of Television Health Information Programmes in Benin"
- Ephraim Mukisira, *doctoral candidate from Kenya, award administered by Macdonald College, McGill University, Montreal, Canada*
\$29,870
To conduct dissertation research at the Kenya Agricultural Research Institute, Nairobi
Research Title "Factors Limiting Ruminants' Intake and Utilization of Diets Containing Lupin"
- Munyae Masai Muhnge, *doctoral candidate from Kenya, award administered by the University of Iowa, Iowa City*
\$26,989
To conduct dissertation research at the University of Nairobi, Kenya
Research Title "Job Satisfaction and Organizational Commitment among Agricultural Professionals in the Public, Semi-Public, and Private Sectors in Kenya"
- Patricia Musi, *doctoral candidate from Swaziland, award administered by the University of Illinois, Urbana*
\$20,816
To conduct dissertation research at the University of Swaziland, Luyengo
Research Title "Poverty and
- Consumption Patterns Household Coping Strategies and Policy Interventions, The Case of Swaziland"*
- National Animal Production Research Institute, Ahmadu Bello University, Zaria, Nigeria
\$2,500
For administrative costs associated with Oladele Surajudeen Gazal's dissertation research
- Kimani Njogu, *doctoral candidate from Kenya, award administered by Yale University, New Haven, Connecticut*
\$29,300
To conduct dissertation research at Kenyatta University, Nairobi
Research Title "Discourse and Dialogue A Socio-Linguistic Approach to East African Dialogue Poetry"
- Obafemi Awolowo University, Ile-Ife, Nigeria
\$2,500
For administrative costs associated with MaryPaul Asoegwu's dissertation research
- \$2,500
For administrative costs associated with Oyewole Olaley's dissertation research
- Office of the Commissioner for Refugees, Ministry for Rehabilitation, Refugee Affairs, and Relief, Khartoum, Sudan
\$2,500
For administrative costs associated with Nahid Suleman's dissertation research
- Andrew Okolie, *doctoral candidate from Nigeria, award administered by the University of Toronto, Canada*
\$25,220
To conduct dissertation research at Imo State University Okigwe Nigeria
Research Title "Rural Development and the Rise of an Agrarian Bloc Nigeria, 1970-1991"
- Oyewole Olaley, *doctoral candidate from Nigeria, award administered by the University of Pennsylvania, Philadelphia*
\$19,700
To conduct dissertation research at Obafemi Awolowo University, Ile-Ife, Nigeria
Research Title "Wanted Family Size A Comparative Study of

Numerical and Non-Numerical Fertility Desires of Women in Three Sub-Saharan African Countries"

Alphonse Rubagumya, *doctoral candidate from Rwanda, award administered by Louisiana State University, Baton Rouge*
\$29,875

To conduct dissertation research at the Université Nationale du Rwanda, Butare

Research Title "The Dynamics of Cooperative Fish Farming in the Prefectures of Gikongoro and Butare Rwanda"

Cecil Seethal, *doctoral candidate from South Africa, award administered by the University of Iowa Iowa City*
\$27,085

To conduct dissertation research at the University of Durban-Westville Durban, South Africa

Research Title "Civic Organizations and the Transformation of the Local State in South Africa"

Tilahun Sineshaw, *doctoral candidate from Ethiopia, award administered by the University of Cincinnati, Ohio*
\$2,862

To enable his host supervisor at Addis Ababa University to attend Mr Sineshaw's dissertation defense at the University of Cincinnati

Reuben Kipngeno Soi, *doctoral candidate from Kenya, award administered by Washington State University, Pullman*
\$28,018

To conduct dissertation research at the Kenya Agricultural Research Institute, Nairobi

Research Title "The Development of a Ruminant-Restricted Capripoxvirus Vaccine Vector"

Sudan Ministry of Agriculture, Khartoum
\$2,500

For administrative costs associated with Mohamed Elhanan's dissertation research

Nahid Suleiman, *doctoral candidate from the Sudan award administered by Temple University, Philadelphia, Pennsylvania*
\$29,100

To conduct dissertation research at the Office of the Commissioner for Refugees, Ministry for Rehabilitation, Refugee Affairs, and Relief Khartoum Sudan

Research Title "The Historical Basis

of Sudan's Refugee Problem 1900 - Present"

Université Nationale du Rwanda, Butare
\$2,500

For administrative costs associated with Alphonse Rubagumya's dissertation research

University of Benin, Cotonou
\$2,500

For administrative costs associated with Narcisse de Medeiros's dissertation research

University of Durban-Westville, Durban, South Africa
\$2,500

For administrative costs associated with Cecil Seethal's dissertation research

University of Khartoum, Sudan
\$2,500

For administrative costs associated with Bashir Yousif's dissertation research

University of Kinshasha, Zaire
\$2,500

For administrative costs associated with Kisangani N Emizet's dissertation research

University of Lubumbashi, Zaire
\$2,500

For administrative costs associated with Nkasa Tekulazaya Yelengi's dissertation research

University of Nairobi, Kenya
\$2,500

For administrative costs associated with Munyae Masai Mulinge's dissertation research

University of Swaziland, Luyengo
\$2,500

For administrative costs associated with Patricia Must's dissertation research

University of Witwatersrand, Johannesburg, South Africa
\$2,500

For administrative costs associated with Gary Van Wyk's dissertation research

Francis N Wegulo, *doctoral candidate from Kenya, award administered by Clark University, Worcester, Massachusetts*
\$23,700

To conduct dissertation research at Egerton University, Njoro, Kenya

Research Title "Nonfarm Activities and Rural Development in Vihiga, Kakamega District, Kenya"

Tesfaye Wolde-Medhin, *doctoral candidate from Ethiopia, award administered by the University of Illinois, Urbana-Champaign*
\$27,900

To conduct dissertation research at Addis Ababa University, Ethiopia
Research Title "State and Peasantry in Ethiopia A View from Below of a Revolution from Above (The Case of the Nole Oromo of Hararghe)"

Gary Van Wyk, *doctoral candidate from Zimbabwe, award administered by Columbia University, New York, New York*
\$29,600

To conduct dissertation research at the University of the Witwatersrand, South Africa

Research Title "The Art of Sotho Habitation under Apartheid Possession and Dispossession"

Nkasa Tekulazaya Yelengi, *doctoral candidate from Zaire, award administered by the University of Minnesota, Minneapolis*
\$26,450

To conduct dissertation research at the University of Lubumbashi, Zaire
Research Title "The Construction of the BCK Railroad and its Impact on the Rural Population of Katanga (Belgian Congo), 1923-1960 The Case of the District of Lomami"

Bashir Yousif, *doctoral candidate from Sudan, award administered by Utah State University, Logan*
\$28,600

To conduct dissertation research at the University of Khartoum, Sudan
Research Title "Potentials of Solanum Enzymes as Milk-Clotting Substitutes in Making White Soft Cheese in Sudan"

African Economic Research Consortium, Inc
Nairobi, Kenya
[1991 - \$300,000]

To support the establishment of the African Economic Research Consortium (AERC) as an independent international organization in Nairobi and contribute to its continuing program of economic policy research and training

Foundation-administered project
\$200,000

For operating costs of the program in Nairobi

African Forum for Children's Literacy in Science and Technology [1991 - \$500,000, in addition to remaining funds from prior year appropriations]

To generate popular understanding in Africa among children and young adults of the practical applications of science and technology

Stella Y Ermosho, Ogun State University, Ago-Iwoye, Nigeria
\$8,700

For a study of the factors influencing girls' participation in science education in Nigeria

Kagera Writers and Publishers Co-operative Society, Ltd, Bukoba, Tanzania
\$78,180

Toward the production of educational materials for distribution to schools in the Kagera region of Tanzania

Lesotho Science and Mathematics Teachers' Association, Roma
\$4,000

To expand and enrich its newsletter

University of Dar es Salaam, Tanzania
\$85,000

Toward the costs of conducting a fourth science camp for high school students in Tanzania, spreading the benefits of the camp to a larger population, and laying the foundation for national and village science centers

University of Malawi, Zomba
\$5,100

For the development of scientific concepts through scientific models and toys

University of Zimbabwe, Harare
\$10,030

Toward the costs of the Harare Generator, an international conference on innovation in science education held at the University of Zimbabwe, January 1991

Zimbabwe Trust, Harare
\$72,400

Toward publication and distribution of *Action Magazine* to schools in Zimbabwe, Zambia and Botswana

Columbia University,
New York, New York
\$5,000
Toward support for an international conference, "Dams and Development Human Rights, Women's Lives and the Environment," to be held in New York City, March 1992

Council for the Development of Economic and Social Research in Africa (CODESRIA),
Dakar, Senegal
\$20,000
For the design of its program on agrarian change in Africa.

Female Participation in African Education
[1991 - \$1,000,000, in addition to remaining funds from prior year appropriations]
To improve understanding of sex differences in school participation in sub-Saharan Africa and help African countries design and test policies to increase female attendance and educational performance

African Academy of Sciences,
Nairobi, Kenya
\$10,000
To refine the design of a program on education for girls and women in Africa

Association of Commonwealth Universities,
London, England
\$20,000
Toward the costs of a training workshop in Botswana for women academics and university administrators from Africa

University of Swaziland, Kwaluseni
\$20,000
Toward the costs of the fourth BOLESWA international research symposium, featuring a major session on female access to educational opportunities, held at the University, July 29-August 2 1991

Tropical Diseases Research Center,
Ndola, Zambia
\$37,680
Toward the costs of the project, "Schooling and Maternal Behavior in a Zambian Township"

Foundation-administered project
\$50,000
Program support expenses

Foundation-administered project
\$100,000
For the costs of a series of small, innovative projects in East Africa relevant to the Foundation's Science-Based Development program

International Food Policy Research Institute (IFPRI),
Washington, D C
\$20,000
Toward the costs of a workshop, "Intra-household Resource Allocation Policy Issues and Research Methods," held at IFPRI, February 1992

Manoff Group, Inc.,
Washington, D C
\$20,000
For a study on the feasibility of establishing an international nutrition council

People-Centered Development Forum, San Francisco, California
\$44,000
Toward the costs of its communications outreach program

Reflections on Development Program
[1991 - \$650,000, in addition to remaining funds from prior year appropriations]
To encourage outstanding third-world scholars to focus on the most recent lessons, experiences, and challenges to development in different developing countries, and in the process to foster greater collaboration among scholars across countries and regions

Germelino M. Bautista, Ateneo de Manila University, Philippines
\$24,400
For a reflection and writing project entitled "Natural Resources, Economic Development, and the State Ecological Lessons from Reconstructed Aspects of Philippine Economic History"

Ahmad Shabery Cheek, Institute of Southeast Asian Studies (ISEAS), Singapore, Republic of Singapore
\$25,900
For a reflection and writing project entitled "Power and Control in the Urban Malaysia"

Beng-Huat Chua, National University of Singapore, Singapore
\$27,200
For a reflection and writing project entitled "State Formation in Indonesia Since Independence"

Surchai Wun'gaeo, Chulalongkorn University, Bangkok, Thailand
\$27,700
For a reflection and writing project entitled "Environment and Participation Challenges of Sustainable Development in Thailand"

Ann Danaiya Usher, The Nation, Bangkok, Thailand
\$28,700
For a reflection and writing project entitled "Beyond a Vision of Homogeneity"

Foundation-administered project
\$100,000
Program support expenses

Social Science Research Council (SSRC),
New York, New York
\$17,480
To redesign two of its African fellowship programs Predissertation Fellowships and Fellowships for Training and Dissertation Research

Tropical Forestry
[1987 - \$400,000]
To support research on improved conservation and management of tropical forest resource

Australian Centre for International Agricultural Research, Canberra, Australia
\$39,000
Toward the cost of implementing the establishment of an international entity to undertake forestry research within the CGIAR

United Nations Educational, Social and Cultural Organization (UNESCO),
Paris, France
\$100,000
For use by its International Institute for Educational Planning (IIEP) to support the activities of the Donors to African Education Task Force

University of Florida,
Gainesville
\$20,000
Toward the costs of the project "Impact of Structural Adjustment on Agriculture"

University of Ibadan,
Nigeria
\$25,000

Toward support for the travel costs of African participants in the International Conference on African Economic Issues, to be held in Lome, Togo, June 1992

University of Nairobi,
Kenya
\$8,520
Toward the costs of a seminar on the effects of structural adjustment policies on women in Kenya, to be held in March 1992

A Voice for Africa
[1988 - \$1,200,000]
To strengthen a voice for Africa in the United States, with particular focus on the U.S. foreign and development policy communities

Columbia University,
New York, New York
\$6,000
Toward the costs of the University seminar series on perceptions of Africa

Emory University,
Atlanta, Georgia
\$150,000
Toward the costs of a program on governance in Africa at the Carter Center of Emory University

Foundation for the Study of Independent Social Ideas,
New York, New York
\$25,000
*Toward the costs of a special issue of its magazine *Dissent* that will focus on the problems of the African continent*

Yale University,
New Haven, Connecticut
[1991 - \$750,000, in addition to remaining funds from prior year appropriations]
To build local analytic capacity for evaluating how public policy and technological change in low-income countries contribute to differences in productivity, schooling, and health between men and women, and how these differences affect the welfare of the family unit

[1991 - \$50,000]
To support an interdisciplinary and comparative program for U.S. and third-world scholars in agrarian studies (Joint appropriation with Agricultural Sciences and Arts and Humanities, for a total of \$200,000)

ADVANCED
TRAINING FELLOWSHIPS

Agricultural
Sciences

BANGLADESH

Gadab Chandra Ghosh Biswas, plant genetics and breeding
Appointed from International Rice Research Institute, Manila, Philippines
Place of Study Eidgenössische Technische Hochschule, Zurich, Switzerland

M Anwar Hossain, plant genetics and breeding
Appointed from University of Dhaka
Place of Study Purdue University, West Lafayette, Indiana

CHINA

Bai Shunong, plant development
Appointed from Chinese Academy of Sciences, Beijing
Place of Study University of California, Berkeley

Cui Yun-xing, crop germplasm screening methods
Appointed from Chinese Academy of Sciences Beijing
Place of Study Texas A&M University, College Station

Dong Jinjiang, plant molecular genetics
Appointed from Shanghai Institute of Plant Physiology, Academia Sinica
Place of Study Texas A&M University, College Station

Jia Jizeng, RFLP technology applied to wheat germplasm
Appointed from Chinese Academy of Sciences, Beijing
Place of Study Cambridge Laboratory, Norwich, United Kingdom

Li Dadong, plant molecular biology
Appointed from Institute of Genetics Academia Sinica, Beijing

Place of Study Yale University, New Haven, Connecticut

Li Zhongyi, plant genetics and breeding
Appointed from Shandong University
Place of Study Australian National University, Canberra

Tang Kexuan, rice genetic transformation
Appointed from Shanghai Academy of Agricultural Sciences
Place of Study University of Nottingham, United Kingdom

Yin Yanhai, plant molecular biology
Appointed from Institute of Genetics, Academia Sinica, Beijing
Place of Study Research Institute of Scripps Clinic, La Jolla, California

Zhang Qiang, plant molecular genetics
Appointed from Huazhong Agricultural University, Wuhan
Place of Study University of Georgia, Athens

INDIA

Bhavanishankara Gowda, plant pathology
Appointed from University of Mysore
Place of Study Texas A&M University College Station

Chittoor Muppala Jaishree, molecular biology
Appointed from SPIC Science Foundation, Madras
Place of Study Kansas State University, Manhattan

Arun Kumar, environmental and resource economics
Appointed from Society for Promotion of Wastelands Development, New Delhi
Place of Study University of London, United Kingdom

Lalitha Sunil Kumar, Vigna biotechnology
Appointed from National Chemical

Laboratory, Pune
Place of Study University of Minnesota, St Paul

Nachimuthu Gounder Kumaravadevi, plant breeding and genetics.
Appointed from Tamil Nadu Agricultural University, Combatore
Place of Study Texas A&M University, College Station

Natarajan Sakthivel, molecular biology
Appointed from University of Madras
Place of Study Kansas State University, Manhattan

Nukala Padmanabha Sarma, rice culture, pathology and genetic analysis
Appointed from Directorate of Rice Research, Hyderabad
Place of Study Purdue University, West Lafayette, Indiana

Nadoor Seetharama, sorghum biotechnology
Appointed from International Crops Research Institute for the Semi-Arid Tropics, Hyderabad
Place of Study Texas A&M University, College Station

Sukwinder Singh, plant molecular biology
Appointed from Punjab Agricultural University, Bathinda
Place of Study Kansas State University, Manhattan

IVORY COAST

Abdourahmane Sangaré, plant pathology/virology
Appointed from Université d'Abidjan
Place of Study Research Institute of Scripps Clinic, La Jolla, California

MALAWI

Patricia Ngwira, plant pathology
Appointed from Chitedze Research Station, Lilongwe
Place of Study Ohio State University, Columbus

Elizabeth Mary Sibale, plant genetics and breeding
Appointed from Ministry of Agriculture, Lilongwe
Place of Study Cornell University, Ithaca, New York

PHILIPPINES

Rodante E. Tabicn, plant genetics and breeding
Appointed from Philippine Rice Research Institute, College, Laguna
Place of Study Texas A&M University, College Station

UGANDA

Peter Birungi Mujumbi, development economics
Appointed from Agrotechnology Resource Centre, Kampala
Place of Study University of Florida, Gainesville

ZIMBABWE

Carroll Themba Khombe, animal breeding
Appointed from Ministry of Lands, Agriculture and Resettlement, Causeway
Place of Study McGill University, Montreal, Canada

Health
Sciences

LAOS

Bounpheng Philavong, public health/epidemiology
Appointed from National Institute of Hygiene and Epidemiology, Vientiane
Place of Study University of California, Berkeley

Population
Sciences

ARGENTINA

Rafael Pauline Roisman, economic demography
Appointed from University of California, Berkeley
Place of Study University of California, Berkeley

CHINA

Shi Cong-zhu, reproductive biology
Appointed from Institute of Zoology, Academia Sinica, Beijing

Place of Study: University of Pennsylvania, Philadelphia

Yu He-ming, reproductive biology.
Appointed from National Research Institute for Family Planning, Beijing. Place of Study: Population Council, New York, New York.

ECUADOR

Izquierdo Jiménez, Cesar Antonio, reproductive biology.
Appointed from University of Chile, Santiago. Place of Study: University of Pennsylvania, Philadelphia.

ETHIOPIA

Sebat Afework, reproductive endocrinology.
Appointed from Addis Ababa University. Place of Study: University of California, Los Angeles.

INDIA

Pradeep Kumar Chaturvedi, reproductive biology.
Appointed from All India Institute of Medical Sciences, New Delhi. Place of Study: Texas A&M University, College Station.

Arunachalam Dharmalingam, demography.
Appointed from Australian National University, Canberra. Place of Study: University of Pennsylvania, Philadelphia.

Benny Jose, sociology/demography.
Appointed from Fordham University, Bronx, New York. Place of Study: Fordham University, Bronx, New York.

Renu Juneja, reproductive biology.
Appointed from Postgraduate Institute of Medical Education and Research, Chandigarh. Place of Study: Population Council, New York, New York.

Sunita Kishor, economic demography.
Appointed from University of Maryland, College Park. Place of Study: University of Maryland, College Park.

Nandita Majumdar, reproductive biology.
Appointed from Southern Illinois University, Carbondale.

Place of Study: University of Pittsburgh, Pennsylvania.

Prasanna Kumar Mohanty, demography.
Appointed from Hyderabad Urban Development Authority. Place of Study: Harvard University, Cambridge, Massachusetts

Dilip Chandra Nath, demography.
Appointed from Gauhati University, Assam. Place of Study: Duke University, Durham, North Carolina.

Ramalingam Laxma Reddy, reproductive biology.
Appointed from University of Hyderabad. Place of Study: Louisiana State University, New Orleans.

Abusaleh Shariff, demography.
Appointed from Gujarat Institute of Area Planning, Ahmedabad. Place of Study: Yale University, New Haven, Connecticut

Mohideen Sheik Wisel, reproductive biology.
Appointed from National Institute of Health & Family Welfare, New Delhi. Place of Study: University of Pennsylvania, Philadelphia.

JAPAN

Sakuragi Noraki, reproductive biology.
Appointed from Hokkaido University School of Medicine, Sapporo. Place of Study: University of Pennsylvania, Philadelphia.

MEXICO

Maria del Rosario Cardenas Elizalde, demography.
Appointed from El Colegio de Mexico, Mexico City. Place of Study: Harvard University School of Public Health, Boston, Massachusetts.

NIGERIA

Adenike Coker Bitto, demography.
Appointed from Johns Hopkins University, Baltimore, Maryland.

Place of Study: Johns Hopkins University, Baltimore, Maryland.

Animam Beecroft Osirike, demography.
Appointed from University of Benin, Benin City. Place of Study: University of Pennsylvania, Philadelphia.

Oladayo Oyeyiola Oyelola, reproductive biology.
Appointed from Obafemi Awolowo University, Ile-Ife. Place of Study: Christ Hospital Cardiovascular Research Center, University of Cincinnati, Ohio.

Rasheed Oladimeji Togunde, demography.
Appointed from Obafemi Awolowo University, Ile-Ife. Place of Study: Cornell University, Ithaca, New York.

SIERRA LEONE

Sulaiman Maladob Bah, demography.
Appointed from University of Western Ontario, London, Canada. Place of Study: University of Western Ontario, London, Canada.

Christine Naschak Feifer, public health.
Appointed from University of California, Los Angeles. Place of Study: University of California, Los Angeles

Anuradha Kumar, medical anthropology.
Appointed from University of North Carolina, Chapel Hill. Place of Study: University of North Carolina, Chapel Hill.

Barbara J. McKinney, demography.
Appointed from Johns Hopkins University, Baltimore, Maryland. Place of study: Johns Hopkins University, Baltimore, Maryland.

TAIWAN

Chu Chin Yi Cyrus, demography.
Appointed from University Institute of Economics, Academia Sinica, Taipei. Place of Study: University of California, Berkeley.

TANZANIA

Francis Joseph Sichona, demography.
Appointed from University of Dar es Salaam. Place of Study: University of North Carolina, Chapel Hill.

UGANDA

Margaret Lubega, demography.
Appointed from Makerere University, Kampala. Place of Study: Johns Hopkins University, Baltimore, Maryland.

UNITED KINGDOM

Evelyn Elizabeth Telfer, reproductive biology.
Appointed from Jackson Laboratory, Bar Harbor, Maine. Place of study: Jackson Laboratory, Bar Harbor, Maine.

BIOTECHNOLOGY
CAREER FELLOWSHIPS

Agricultural
Sciences

ARGENTINA

Carlos Santiago Andreo,
Universidad Nacional de Rosario.
Enzymes involved in C4 metabolism in plants, at the University of Nebraska, Lincoln.

CHINA

Deng Zixin,
Huazhong Agricultural University, Wuhan.
Development of gene cloning systems for Streptomyces hygroscopicus var. yingchengensis and their use to clone and manipulate genes for biosynthesis of agriculturally important antibiotics, at the John Innes Institute, Norwich, United Kingdom

Zhang Qifa,
Huazhong Agricultural University, Wuhan.
RFLP mapping of the gene(s) for photoperiod-sensitive male sterility in rice, at the Virginia Polytechnic Institute and State University, Blacksburg.

Zhang Shang-Hong,
Zhongshan University, Guangzhou.
Use of repetitive sequences as probes to study the genetic resources and genome structure of rice, at the University of Georgia, Athens.

EGYPT

Yehia A. I. Abdel-Aal,
Assiut University.
Molecular mechanisms and diagnosis of insecticide resistance in the green peach aphid, Myzus persicae (Sulzer) (Homoptera: Aphididae), at North Carolina State University, Raleigh. (Renewal)

INDIA

Asis Datta,
Jawaharlal Nehru University,
New Delhi.

The potential of Agrobacterium for transformation of monocots, at the University of Washington, Seattle. (Extension)

Durgadas Prabhakar Kasbekar,
Centre for Cellular & Molecular
Biology, Hyderabad.

Acquisition of tolerance to antibiotics and other toxic compounds by microorganisms: Elucidating a common mechanism in plant pathogenic fungi and slime molds, at the University of Arizona, Tucson

INDONESIA

Wasito,
Gadjah Mada University,
Yogyakarta.
Molecular epidemiology of bovine viral diarrhea, at Michigan State University, East Lansing.

MALAYSIA

Low Fee-Chon,
Rubber Research Institute of
Malaysia, Kuala Lumpur.
RFLP feasibility study and the initiation of mapping in Hevea brasiliensis Muell. Arg., at the Cambridge Laboratory, JI Centre for Plant Science Research, United Kingdom.

PHILIPPINES

Asuncion K. Raymundo,
University of the Philippines,
Los Baños.
Molecular diagnostics for Xanthomonas campestris pv. oryzicola, at Kansas State University, Manhattan.

Health
Sciences

ARGENTINA

Eduardo L. López,
Hospital General de Niños Dr.
Ricardo Gutierrez, Buenos Aires.
The role of host cellular receptors for toxins and adhesins of Escherichia coli in susceptibility to hemolytic uremic syndrome, at the University of Texas Medical School at Houston.

Diego de Mendoza,
Universidad Nacional de Rosario.
Thermal regulation of membrane fatty acid synthesis in Bacillus subtilis, at the University of Illinois, Urbana-Champaign.

BRAZIL

Pedro Muanis Persechini,
Universidade Federal do Rio de Janeiro.
Molecular mechanism of lymphocyte-mediated cytotoxicity and its implication for intracellular parasite infections, at the Rockefeller University, New York, New York

GUATEMALA

David Prado,
Hospital General "San Juan de Dios," Guatemala City.
Pathophysiology and virulence mechanisms of shigella, at the University of Texas Medical School at Houston.

INDIA

Anuradha Lohia,
Bose Institute, Calcutta.
Transfection of exogenous DNA into Entamoeba histolytica, at the Harvard School of Public Health, Boston, Massachusetts

Jayant B. Udgaonkar,
Tata Institute of Fundamental
Research, Bombay.
Protein engineering and kinetic approaches to the study of the folding pathway of barstar, at Stanford University, California.

S. Vijaya,
Indian Institute of Science,
Bangalore.
Studies on nonstructural proteins of

Japanese Encephalitis Virus expressed in recombinant vaccinia virus, at the National Institutes of Health, Bethesda, Maryland

NIGERIA

Adelani F. Ogunrinade,
University of Ibadan.
Development of new immunodiagnostic methods for human onchocerciasis, at the Jewish Hospital of St. Louis, Missouri. (Renewal)

SUDAN

Hashim Warsama Ghalib,
University of Juba.
T-cell responses in human visceral leishmaniasis, at the Seattle Biomedical Research Institute, Washington

Population
Sciences

INDIA

Anjali Anoop Karande,
Indian Institute of Science,
Bangalore.
Raising monoclonal idotypic antibodies to gonadotropin-releasing hormone (GnRH), at the Academisch Ziekenhuis, Vrije Universiteit, Amsterdam, Netherlands.

Amitabh Krishna,
Banaras Hindu University, Varanasi.
Hormonal factors regulating production of TNF alpha in the ovarian follicular granulosa cell, at the University of Kansas Medical Center, Kansas City

Premendu Prakash Mathur,
Pondicherry University.
Sequence analysis of cDNAs coding for testins and the hormonal regulation of their mRNAs, at the Population Council, New York, New York.

Kim Kyoön Eon,
Chungnam National University,
Daejeon.
Identification of DNA sequences important for the tissue-specific expression and the regulation of the subunit genes for the follicle stimulating hormone (FSH), at the University of Iowa, Iowa City.

SOCIAL SCIENCE
RESEARCH FELLOWSHIPS

Agricultural
Sciences

Vincent Benziger, an economist studying replacement of rice production by vegetable growing in Taiwan, Korea, and Thailand, while located at the Asian Vegetable Research and Development Center (AVRDC), Tainan, Taiwan.

Kimberly Chung, an agricultural economist studying the impact of technological changes on the nutritional level and well being of rural households, while located at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad, India.

Soniia David, a sociologist studying household dynamics and agroforestry adoption potential in eastern Africa,

while located at the International Council for Research in Agroforestry (ICRAF), Nairobi, Kenya.

Sally Humphries, a sociologist studying migration, settlement patterns, and resource management in the forest margins in Latin America, while located at the International Center for Tropical Agriculture (CIAT), Palmira, Colombia

Thomas Randolph, an agricultural economist studying the economics of irrigated rice production in the West African Sahel, while located at the West Africa Rice Development Association (WARDA) project, St. Louis, Senegal.

Maurice Saade, an agricultural economist studying the adoption and

impact of improved cereal technologies in the North African region, while located at the International Maize and Wheat Improvement Center (CIMMYT) project, Tunisia (jointly with the International Center for Agricultural Research in the Dry Areas).

Eric Worby, an anthropologist studying the impact of aquaculture on allocation of farm household resources in Bangladesh, while located at the International Center for Living Aquatic Resources Management (ICLARM) project, Mymensingh, Bangladesh.

ARTS AND
HUMANITIES GRANTS

The arts and humanities division encourages creative artists and scholars in the humanities whose work can advance international and intercultural understanding in the United States. The division therefore supports activities extending international and intercultural scholarship, and increasing artistic experimentation across cultures.

**Extending International
And Intercultural
Scholarship**

Academy of American Poets,
New York, New York
\$50,000
*For the Asian Program of its 1992
Reading Series*

Agricultural Research Institute,
Bethesda, Maryland
\$35,000
*Toward the costs of a conference
Ethical Considerations in
Agricultural Research jointly spon-
sored with the U.S. Department of
Agriculture to be held at the Bellagio
Center on April 6-10 1992 (Joint
grant with Agricultural Sciences for a
total of \$55,000)*

Alternative Media Information
Center,
New York, New York
\$50,000
*Toward research and development of
Endangered Literature a series of
public radio dramatizations*

American Association of Museums,
Washington, D.C.
\$50,000
*Toward the costs of the International
Partnerships Among Museums
program*

American Historical Society,
Washington, D.C.
\$80,000
*Toward the editorial and consulting
expenses of third-world scholars for
the publication of the Guide to
Historical Literature*

Artistas e Intelectuales (Grupo de
Los Cien),
Mexico City, Mexico
\$70,000
*Toward the costs of an international
symposium of writers and environmen-
talists The Oaxaca Symposium
Approaching the Year 2000*

\$67,645
*To enable it to work with an interna-
tional network of writers scientists
and environmentalists to address envi-
ronmental problems*

Association for Cultural Equity,
New York, New York
\$25,000
*To make its archive of ethnographic
dance films and accompanying docu-
ments more accessible*

California College of Arts and
Crafts,
Oakland
\$25,000
*For the conference Mapping the
Terrain The New Public Art and
related publication costs*

California Institute of the Arts,
Valencia
\$60,000
*For the pilot phase of the Institute of
Cultural Diversity*

Center for Psychosocial Studies,
Chicago, Illinois
\$50,000
*Toward the costs of a project on the
organization of social and cultural
criticism in contemporary China*

College Art Association,
New York, New York
\$20,000
*For participation of speakers who will
address multicultural and international
issues at the 1992 annual conference*

Cornell University,
Ithaca, New York
\$15,000
*Toward planning activities for a
collaborative program with the
University of São Paulo Brazil on
global environmental accords (Joint
grant with Global Environment for a
total of \$30,000)*

Cultural Survival, Inc.,
Cambridge, Massachusetts
\$100,000
*Toward support for the Center for
Cultural Survival*

Festival of Indonesia,
New York, New York
\$21,300
*Toward the costs of its 1991 scholarly
programs*

Harvard University,
Cambridge, Massachusetts
\$42,000

*For its Black Periodical
Literature Project*

Instituto de Antropologia e Meio
Ambiente,
São Paulo, Brazil
\$25,000
*Toward the costs of a study of socio-
environmental issues in Brazil*

International Council of Museums,
Paris, France
\$25,000
*Toward the costs of a series of meet-
ings entitled What Museums for
Africa? Heritage in the Future*

Museum Associates,
Los Angeles, California
\$50,000
*Toward the costs of producing a
documentary film for the Los Angeles
County Museum's exhibition 1937
Modern Art and Politics in
Pre-War Germany*

National Archive Trust Fund Board,
Washington D.C.
\$15,000
*Toward the costs of the Margaret
Sanger Papers Project (Joint grant
with Population Sciences for a total
of \$30,000)*

National Humanities Center,
Research Triangle Park, North
Carolina
\$17,600
*Toward the costs of a conference on
The Idea of a Civil Society*

New York University,
New York
\$32,500
*For a series of conferences on urban
development entitled Urban Forums*

(Joint grant with Equal Opportunity, for a total of \$105,000.)

Research Foundation of the City University of New York, New York
\$50,000

For use by the Graduate School's Center for Music Research and Documentation in continuing its project entitled, "The Universe of Music: A History."

Resident Fellowships in the Humanities
[1991 - \$3,100,000, in addition to remaining funds from prior year appropriations]

To support humanistic scholarship intended to illuminate and assess international and intercultural issues and to strengthen institutional programs where such scholarship is sustained

Graduate School at the City University of New York, New York
\$35,000

For use by the Committee for Cultural Studies toward the costs of a survey of cultural studies programs in Latin America.

Heard Museum, Phoenix, Arizona
\$50,000

In support of two conferences to be held as part of the Museum's exhibition, "Shared Visions: Native American Art and Sculpture in the Twentieth Century."

Princeton University, New Jersey
\$234,000

Toward the costs of a program of Rockefeller Foundation Fellowships at its Afro-American Studies Program.

University of California, Santa Cruz
\$250,000

Toward the costs of a program of Rockefeller Foundation Resident Fellowships at its Center for Cultural Studies.

University of Colorado at Boulder
\$225,000

Toward the costs of a program of Rockefeller Foundation Resident Fellowships at its Center for Studies of Ethnicity and Race in America.

University of Kansas, Lawrence
\$249,850

Toward the costs of a program of Rockefeller Foundation Resident Fellowships on nature, culture and technology at its Hall Center for the Humanities

University of North Carolina at Chapel Hill
\$225,000

Toward the costs of a program of Rockefeller Foundation Resident Fellowships on the American South in comparative perspective at its Institute for the Arts and Humanities

University of Rochester, New York
\$250,000

Toward the costs of a program of Rockefeller Foundation Resident Fellowships at its Susan B. Anthony Center for Women's Studies and its Comparative Arts Program.

Foundation-administered projects
\$53,000

Costs of a meeting of residency site directors to help Foundation officers and appointed outside evaluators of the program chart the program's results.

\$30,000
Program support expenses.

SITES RECEIVING RENEWED SUPPORT:

Queens College, City University of New York, New York
\$160,000

Toward the costs of a program of Rockefeller Foundation Fellowships at the Asian/American Center.

Rice University, Houston, Texas
\$160,000

Toward the costs of a program of Rockefeller Foundation Fellowships at the Center for Cultural Studies.

University of Maryland, College Park
\$159,500

Toward the costs of a program of Rockefeller Foundation Fellowships at the Department of Spanish and Portuguese in association with the Latin American Study Center.

University of Minnesota, Minneapolis
\$160,000

Toward the costs of a program of Rockefeller Foundation Fellowships

at the Center for Advanced Feminist Studies

University of Pennsylvania, Philadelphia
\$160,000

Toward the costs of a program of Rockefeller Foundation Fellowships at the Center for the Study of Black Literature and Culture

Smithsonian Institution, Washington, D.C.
\$50,000

Toward the costs of a workshop, planning and research to enhance the arts and humanities components of the exhibition on ocean conservation

Social Science Research Council (SSRC), New York, New York
\$11,805

For a project designed to improve our understanding of the relationships between population growth and the quality of the environment (Joint grant with Population Sciences, for a total of \$23,610.)

Spoletto Festival U.S.A., Charleston, South Carolina
\$40,000

Toward the costs of its exhibition of newly commissioned work created for venues throughout Charleston, in final payment of a two-part award.

Strengthening African Publishing
[1991- \$240,000]

To foster a set of initiatives that together will provide a base for building and securing the activities of indigenous African publishers.

African Books Collective, Ltd., Oxford, England
\$100,000

For compilation and distribution of its current and backlisted publications of education, literary and scholarly value.

Dag Hammarskjöld Foundation, Uppsala, Sweden
\$25,000

For a feasibility study of the potential for creating a loan guarantee program for South African and Tanzanian publishers for publication of textbooks and indigenous literary works.

Obor, Inc., Clinton, Connecticut
\$45,000

Toward the costs of educational book publication and distribution in Kenya.

Foundation-administered project
\$25,000
For the administrative costs related to the Strengthening African Publishing initiative.

Understanding Cultures through Museums

[1991 - \$1,000,000, in addition to remaining funds from prior year appropriations]

To enable museums to conduct research for, develop, and present accurate, imaginatively powerful exhibitions of non-Western and American minority cultures.

Alternative Center for International Arts, Inc., New York, New York
\$20,000

Toward the costs of a series of exhibitions and surround activities related to the "Artist of Conscience/the Conscience of Art" project.

\$10,000
In support of its exhibition "Syncretism: Art of the 21st Century."

American Craft Council, New York, New York
\$50,000

For use by the American Craft Museum in organizing a symposium entitled "Craft Revivals, Multicultural and Regional Contributions, 1919-1945."

Art Institute of Chicago, Illinois
\$75,000

Toward costs associated with its exhibition "Nuevo Mundo. Visions of Man and Nature in Pre-Columbian Art."

Bridge Center for Contemporary Art, El Paso, Texas
\$5,000

To produce a scholarly catalogue for its exhibition "Border Issues/ La Frontera."

Brooklyn Museum, New York
\$75,000

In support of its exhibition "Objects of Myth and Memory: American Indian Art"

- Center for African Art,
New York, New York
\$75,000
*Toward the costs of its exhibition
"Africa Explores. 20th Century Art."*
- Center for Community Studies,
New York, New York
\$100,000
*For use by the Chinatown History
Museum (formerly the New York
Chinatown History Project) in contin-
uing to develop its "dialogue-driven"
museum exhibition design*
- Centro Cultural de la Raza,
San Diego, California
\$25,000
*Toward the multidisciplinary project,
"Counter Colon-ialismo: A Public
Forum and Exhibition," produced in
collaboration with MARS in Arizona
and Mexic-Arte in Texas.*
- Columbia Art Association,
South Carolina
\$10,000
*In support of its exhibition "A Mayan
Tradition Weaving from Nahuala."*
- The Exploratorium,
San Francisco, California
\$25,000
*Toward planning expenses for its
exhibit "Navigation and Finding
One's Way."*
- Field Museum of Natural History,
Chicago, Illinois
\$75,000
*For community activities related to its
Africa Exhibit*
- Hermanidad de Artistas Gráficos de
Puerto Rico,
Hato Rey
\$20,000
*For the publication of a bilingual text
to accompany its documentary film,
"Puerto Rico Plástica e Identidad."*
- International Museum of
Photography at George Eastman
House,
Rochester, New York
\$15,000
*Toward the costs of a planned 1992
exhibition of works by Louis Carlos
Bernal.*
- National Gallery of Art,
Washington, D.C.
\$75,000
*Toward the costs of its exhibition
"Circa 1492. Art in the Age of
Exploration" and accompanying
catalogue.*
- Queens County Art and Cultural
Center, Inc. (Queens Museum),
New York
\$50,000
*Toward its exhibition "Fragile
Ecologies: Artists' Interpretations
and Solutions"*
- Smithsonian Institution,
Washington, D.C.
\$75,000
*In second-year support for its
Experimental Gallery*
- Social and Public Art Resource
Center,
Venice, California
\$25,000
*Toward continuing activities of the
"World Wall" project*
- University of Arizona, Tucson
\$75,000
*For use by the Arizona State Museum
toward the costs of its exhibition
"Paths of Life: Native Peoples of
the Southwest."*
- University of California,
Los Angeles
\$100,000
*For use by its Museum of Cultural
History toward the exhibition "The
Sacred Arts of Vodoun."*
- University of California,
Los Angeles
\$50,000
*For use by the Wight Art Gallery
toward the costs of an exhibition
entitled "Chicano Art: Resistance
and Affirmation"*
- University of Houston, Texas
[1991 - \$270,000]
*To launch the initial phase of a long-
term research, preservation, and publi-
cation project to recover the Hispanic
literary heritage of the United States.*
- University of Maryland Foundation,
College Park
*For use by the University's Latin
American Studies Center for a
conference entitled "Cultural
Repression and Redemocratization,"
and related activities.*
- University of Missouri,
Kansas City
\$10,000
*For its international conference on
Afro-Hispanic literature.*
- World Institute
for Development Economics
Research,
Helsinki, Finland
\$51,000
*For a planning meeting for the project
"Alternative Approaches to the
Greening of Economics"*
- Yale University,
New Haven, Connecticut
[1991 - \$200,000, in addition to
remaining funds from prior year
appropriations]
*To support an interdisciplinary and
comparative program for U.S. and
third-world scholars in agrarian
studies. (Joint appropriation with
African Initiatives and Agricultural
Sciences, for a total of \$200,000.)*
- Increasing Artistic
Experimentation
Across Cultures
- Academy of American Poets,
New York, New York
\$25,000
*In support of its 1990-91 Reading
Series introducing the work of Latino
and Native American artists.*
- Appalshop, Inc.,
Whitesburg, Kentucky
\$100,000
*Toward the final phase of establish-
ment of its Production and Education
Fund.*
- Alternative Media Information
Center,
New York, New York
\$35,000
*For Deep Dish T.V. Network's 1992
programs focusing on the environment,
civil liberties and international issues.*
- Art Matters, Inc.,
New York
\$50,000
*To establish a partnership among
foundations to increase funding
resources for individuals*
- Artes de Mexico Festival
Committee,
Los Angeles, California
\$5,000
*For the opening ceremonies of the
1991 Artes de Mexico Festival in
Los Angeles.*
- Artists' Projects: Regional Initiative
[1990 - \$250,000, in addition to
remaining funds from prior year
appropriations]
*To assist emerging American
performing artists to develop new work
and reach new audiences through arts
organizations in their own parts of
the country.*
- The purpose for funding each of the
following organizations is toward the
costs of its program for commissioning
new works. Each grantee below
receives additional funds from the
National Endowment for the Arts and
the Andy Warhol Foundation for the
Visual Arts.*
- Alternate ROOTS,
Atlanta, Georgia
\$17,950
- Colorado Dance Festival,
Boulder
\$15,800
- Diverse Works, Inc.,
Houston, Texas
\$19,640
- 80 Langton St.,
San Francisco, California
\$17,950
- Intermedia Arts of Minnesota,
Minneapolis
\$15,800
- Los Angeles Contemporary
Exhibitions, California
\$15,800
- New England Foundation for the
Arts,
Cambridge, Massachusetts
\$18,540
- New Langton Arts,
San Francisco, California
\$17,950
- Painted Bride Art Center,
Philadelphia, Pennsylvania
\$17,950
- Puerto Rico Community
Foundation,
Hato Rey, Puerto Rico
\$12,130
- Pyramid Arts Center, Inc.,
Rochester, New York
\$22,080
- Randolph Street Gallery,
Chicago, Illinois
\$19,220

- State Dance Association of Florida,
Miami
\$7,500
Foundation-administered project
\$30,000
- Arts Midwest,
Minneapolis, Minnesota
\$25,000
For phase I of its Cultural Development Program
- Association of Performing Arts Presenters,
Washington, D.C.
\$50,000
Toward the first-year costs of implementing the National Task Force on Presenting and Touring the Performing Arts
- Bay Area Women's Philharmonic,
San Francisco, California
\$50,000
To enable the National Women Composers Resource Center to administer its Latin Women Composers Project
- Brooklyn Academy of Music,
New York
\$50,000
Toward the costs of international activities associated with its Next Wave Festival and International Theater Project
- Centre International des Civilisations Bantu,
Libreville, Gabon
\$20,000
For its 1991 exhibition, the Fourth Biennial of Bantu Contemporary Art in Bata, Equatorial Guinea
- Centro Cultural Ciudad de Buenos Aires,
Argentina
\$6,000
For a collaborative residency and exchange program for computer music composers
- College Art Association,
New York, New York
\$20,000
For participation of speakers who will address multicultural and international issues at the 1992 annual conference
- Computer Music Residencies
[1991 - \$125,000]
To support a collaborative residency and exchange program for composers of computer music
- Centro Cultural Ciudad de Buenos Aires, Argentina
\$37,600
For the costs of a collaborative residency and exchange program for computer music composers at the Laboratorio de Investigacion y Produccion Musical
- Stanford University, California
\$30,575
For use by the Center for Computer Research in Music and Acoustics for its residency and exchange program for computer music composers
- University of California, San Diego
\$50,000
For the costs of a collaborative residency and exchange program for computer music composers at its Center for Music Experiment
- Contadores de Estorias Producoes Ltda., Paraty, Brazil
\$30,000
Towards the costs of a meeting to plan a Network of Latin American Independent Producers
- Cultural Center of the Philippines, Manila
\$25,000
In support for the 1991 Manila International Dance Conference
- Dance Theatre Workshop,
New York, New York
[1991 - \$275,000, in addition to remaining funds from prior year appropriations]
To continue support for its Suitcase Fund, a program of reciprocal touring and collaboration by artists and performing arts companies from the United States and abroad
- D.C. Wheel Productions, Inc.,
Washington, D.C.
\$20,000
For use by its project Dance Place, in expanding international activities
- El Teatro Campesino,
San Juan Bautista, California
\$75,000
Toward the production costs of its television film, "La Pastorela"
- ETV Endowment of South Carolina,
Spartanburg
\$15,000
In support of the 1991 International Public Television Screening Conference (INPUT)
- Festival Fund
[1991 - \$1,000,000, in addition to remaining funds from prior year appropriations]
To encourage festival activities in the United States that broaden intercultural or international exchange
- American Dance Festival,
New York, New York
\$130,000
For continuation of its international programs for choreographers
- Appalshop, Inc.,
Whitesburg, Kentucky
\$65,000
In support of its 1991 American Festival Project
- City Lore, Inc.,
New York, New York
\$20,000
Toward artists fees and publication expenses associated with its cultural exchange program "Island Roots - Mainland Branches"
- Contemporary Arts Center,
New Orleans, Louisiana
\$30,000
For the creation of new works for its 1992 Live Arts Festival
- Festival International de Louisiane,
Lafayette, Louisiana
\$45,000
In support of its 1991 international festival activities
- Jacob's Pillow Dance Festival,
Lee, Massachusetts
\$98,000
In support of its 1991 international and intercultural programs
- Los Angeles Festival,
California
\$50,000
Toward preliminary research and planning of its 1993 festival activities
- Movement Theatre International,
Philadelphia, Pennsylvania
\$40,000
Toward the costs of presenting African and Asian artists at its international festival
- New York International Festival of the Arts,
New York
\$200,000
For artists' fees associated with the 1991 Festival
- New York Shakespeare Festival,
New York
\$200,000
Toward the costs of its Festival Latino
- Santa Fe Chamber Music Festival,
New Mexico
\$50,000
Toward its "Music of the Americas" project
- Teatro Avante,
Miami, Florida
\$50,000
In support of its VI International Hispanic Theatre Festival
- Theater for a New City, New York,
New York
\$6,000
For its First Eco-Festival in New York
- University of the Arts,
Philadelphia, Pennsylvania
\$50,000
Toward the costs of presenting "Festival Mythos"
- Foundation for Dance Promotion, Inc.,
New York, New York
\$25,000
Toward the touring costs of Bill T. Jones' work "Last Supper at Uncle Tom's Cabin/The Promised Land"
- Foundation for the Recognition of Excellence in Drama,
Toronto, Canada
\$25,000
Toward the costs of the Second International Women Playwrights Conference held in Toronto
- Fund for Innovative TV,
Chicago, Illinois
\$50,000
In support of "The 90's," its television series featuring independently-produced video work from around the country
- Grantmakers in the Arts,
Chicago, Illinois
\$25,000
Toward the costs of an Arts Benchmark Study in collaboration

with the Foundation Center in New York.

Guadalupe Cultural Arts Center, San Antonio, Texas
\$25,000
Toward the second phase of its master artists' residency program.

Solomon R. Guggenheim Foundation, New York, New York
\$15,000
Toward the 1991-92 television series, *Works and Process at the Guggenheim*.

Intercultural Film/Video Fellowships [1991 - \$925,000, in addition to remaining funds from prior year appropriations]
To provide creative time, travel, research and production support for competitively selected film and video artists, who are working in the documentary and media art forms to explore and interpret issues of cultural diversity, both internationally and within the United States (Latin American fellowships awarded in partnership with the John D. & Catherine T. MacArthur Foundation)

Foundation-administered project
\$50,000
Toward research and planning for the internationalization of the film/video fellowship program

SELECTED IN 1992

Camille Billops, New York, New York
\$35,000
For a docu/drama entitled, *"The KKK Boutique Ain't Just Rednecks."*

Gregg Bordowitz, New York, New York
\$35,000
For an experimental narrative entitled, *"Dense Moments without Reason."*

Vincent Carelli, São Paulo, Brazil
\$17,500
For a documentary entitled, *"Video in the Villages"* (Toward a total fellowship of \$35,000.)

Francisco Cesar, São Paulo, Brazil
\$17,500
For a documentary entitled, *"East*

Side Alert." (Toward a total fellowship of \$35,000.)

Pablo Dotta, Montevideo, Uruguay
\$17,500
For a dramatic film entitled, *"The Dirigible"*

Simone Farkhondeh, New York, New York
\$35,000
For an experimental documentary entitled, *"Who Gives Kisses Freely From Her Lips."*

Jorge Furtado, Porto Alegre, Brazil
\$17,500
For dramatic film entitled, *"Rainforest."* (Toward a total fellowship of \$35,000.)

Arthur Jafa, New York, New York
\$35,000
For an experimental narrative entitled, *"Stainless."*

Indu Krishnan, New York, New York
\$35,000
For a documentary entitled, *"Navjivan"* (New Life).

James Luna, Valley Center, California
\$35,000
For a multi-media installation entitled, *"The History of the Luiseno People."*

Judith and David MacDougall, Griffith, Australia
\$35,000
For a documentary entitled, *"The Tourist."*

Poli Marchal, Los Angeles, California
\$35,000
For a multi-media installation entitled, *"Afro-Caribbean-Rama"*

Sarah Minter, Col Roma, Mexico
\$17,500
For a docu/drama entitled, *"Alma Punk."* (Toward a total fellowship of \$35,000.)

Maria and Beatriz Novaro, Tlalpan, Mexico
\$17,500
For a dramatic film entitled, *"Frontiers."* (Toward a total fellowship of \$35,000.)

Jan Oxenberg, Brooklyn, New York
\$35,000
For a dramatic film entitled, *"Maybe Baby."*

Michelle Parkerson, Washington, D.C.
\$35,000
For a documentary entitled, *"The Audre Lorde Film Project: A Litany for Survival"*

Valerie Soe, San Francisco, California
\$35,000
For an experimental documentary entitled, *"The House of Ong."*

Chris Spotted Eagle, Minneapolis, Minnesota
\$35,000
For a documentary entitled, *"Culture Robbers - Whose Values?"*

Rea Tajiri, Brooklyn, New York
\$35,000
For an experimental narrative entitled, *"What Happened to Her and the Strawberry Fields"*

Iverson White, Milwaukee, Wisconsin
\$35,000
For a dramatic film entitled, *"The Johnson Girls"*

STAGE II AWARDS
To former fellowship recipients to aid in the completion and promotion of projects

Shu Lea Cheang, New York, New York
\$50,000
For a dramatic film entitled, *"For Whom the Air Waves."*

Jonas Mekas, New York, New York
\$40,000
For a documentary entitled, *"My Life on Earth/Anthropological Sketches"* and for the creation of preservation internegatives of the filmmaker's work.

Susana Muñoz, San Francisco, California
\$50,000
For a documentary entitled, *"My Home, My Prison."*

Peter Thompson, Chicago, Illinois
\$50,000
For a documentary entitled,

"The Shaman of Oxkintok"

Steina Vasulka, Santa Fe, New Mexico
\$15,000
For an experimental narrative entitled, *"The Other Asia."*

International Institute of Education, New York, New York
[1991 - \$350,000, in addition to remaining funds from prior year appropriations]
To improve and increase the role of American artists in international visual arts exhibitions and performing arts festivals throughout the world.

\$50,000
Toward the 1991 activities of its Arts International Program, in administering the Fund for U.S. Artists at International Festivals and Exhibitions.

Japanese American Cultural and Community Center, Los Angeles, California
\$35,000
Toward a series of culturally diverse performances entitled *"Celebrate California."*

Joyce Theater Foundation, Inc., New York, New York
\$25,000
Toward support of its international presenting activities.

Kroyt-Brandt Productions, Inc., New York, New York
[1991 - \$150,000]
To provide production support for *"1492 - Clash of Visions,"* a major national public television series detailing the impact on the non-Western world of the so-called *Voyages of Discovery*

Lincoln Center for the Performing Arts, Inc., New York, New York
\$100,000
Toward the costs of its Jazz Department's 1991-92 season of events.

Maryland Public Broadcasting Commission, Owings Mills
\$50,000
For the 1992 International Public Television Screening Conference.

Meet the Composer, Inc.,
New York, New York
[1991 - \$150,000, in addition to
remaining funds from prior year
appropriations]

To enhance the role of jazz in the
serious music community through a
national fellowship program that
places jazz composers in project-based
residencies with symphony orchestras,
chamber music ensembles, dance
companies, theater groups, and
opera/music theater companies

Mid-America Arts Alliance,
Kansas City, Missouri
\$60,000

Toward the commissioning phase of its
New Works Program

The Moving Image, Inc (Film
Forum),
New York, New York
\$25,000

In support of its expanded interna-
tional programming

Multi-Arts Production Fund
[1991 - \$750,000, in addition to
remaining funds from prior year
appropriations]

To continue the Foundation's formal-
ized process for evaluating and
supporting proposals in the performing
arts that reflect the boldest and most
creative new work in intercultural
and/or international representation
(Projects are often funded at early
developmental stages and may evolve
over time)

American Indian
Community House,
New York, New York
\$24,500

Toward the production of "Native
Voyage," a series of performances
featuring Native American music,
dance, storytelling, theatre and
performance art

\$10,500

Toward the creation and production
of "Coattail/Las Colorado," a theater
piece by Elvira Colorado and
Hortensia Colorado

American Jazz Theatre & Concepts
Cultural Gallery,
Oakland, California
\$19,500

Toward the creation and performance
of "Millennium," a fusion of Indian and
jazz musical forms with master musi-
cians Zakir Hussain and Ustad Ali

Akbar Khan and other master jazz
improvisationists

Arts Company,
Cambridge, Massachusetts
\$24,500

Toward the creation and presentation
of "Mississippi Freedom," a mixed-
media theater piece by performance
artist Robbie McCauley

Borough of Manhattan Community
College Performing Arts Center -
The Triplex,
New York, New York
\$27,500

Toward the creation and production of
"4690 Havoc in Gold Mountain
(Chinese Legends on Western
Shores)," an interdisciplinary theater
piece created by director Liang Tse
Tse, sculptor Ming Fay, composer/
musician Fred Ho, choreographer
/dancers Sui-Fai Pun and Jia-Hu Ju,
composer Liang-Xiang Tang and
photographer Corky Lee

Climate Theatre,
San Francisco, California
\$19,500

Toward the development and produc-
tion of "The Queen's Garden," a multi-
character solo piece by Brenda Wong
Aoki, director Phyllis S K Look and
composers Mark Izu and Joe Perez

Crossroads Theatre Company,
New Brunswick, New Jersey
\$29,500

Toward the development and produc-
tion of the world premiere of "The
Love Space Demands," a choreopoem
by writer Ntozake Shange, composer
William "Spaceman" Patterson,
director Talvin Wilks, choreographer
Mickey Davidson and designer Adal
Maldonado

Cultural Council Foundation,
New York, New York
\$19,500

Toward the development and produc-
tion of Pepatian's "Historias," a multi-
media performance/installation by
choreographer Merian Soto and
designer Pepon Osorio

Cultural Odyssey,
San Francisco, California
\$19,500

Toward the creation and world
premiere of "Emergency Report," a
performance piece by musician/actor
Idris Ackamoor, actress Rhodessa
Jones, composer Vernon Reid and
playwright Ed Bullins

Dance Brigade,
Oakland, California
\$19,500

Toward the production of "White
Winged Mercy," an interdisciplinary
work created by Dance Brigade
composer Ferron and playwright
Tom Press

Dance Exchange,
Washington, D C
\$19,500

Toward the creation of "City Wide
Memorial," a dance project culmi-
nating choreographer Liz Lerman's
15th anniversary festival of dance

Dar a Luz,
New York, New York
\$19,500

Toward the production of "The Law of
Remains by Reza Abdoh"

En Garde Arts,
New York, New York
\$29,500

Toward the creation and production of
a new site-specific work by perfor-
mance artist Lawie Carlos

Foundation for Independent Artists
for Urban Bush Women,
New York, New York
\$29,500

Toward a site-specific performance
work and a cultural map reflecting
the African-American community in
New Orleans, directed by Javole
Willia Jo Zollar

Gamelan Sekar Jaya,
El Cerrito, California
\$19,500

Toward the commission and produc-
tion of three new pieces involving
choreographers I Nyoman Windha, I
Gusti Ayu Warsiki, Rachel Cooper,
composers Michael Tenzer and Evan
Ziporyn musician/percussionist Keith
Terry, and Balinese shadow puppet
artist Larry Reed

Great Lakes Theater,
Cleveland, Ohio
\$14,500

Toward the premiere production
of Adrienne Kennedy's "Ohio
State Murders"

Highways,
Santa Monica, California
\$17,500

Toward the commission and produc-
tion of "The Warriors Council"
created by performance artists Tim
Miller and Dan Kwong,
poet/performer Michelle T Clinton,
performance artist/writer Keith Antar

Mason, and designer/performer
Francisco Letelier

La Mama Experimental Theater
Club,
New York, New York
\$35,000

Toward the creation and production of
"Point of Debarcation," an experi-
mental theater work created by John
Jesurun, with choreographer Sanghi
Wagner and film/videographer
Richard Connors

Lime Kiln Arts,
Lexington, Virginia
\$21,500

Toward the development of a new work
which looks at interracial relationships
in rural Virginia

Magic Theater,
San Francisco, California
\$19,500

Toward the production of "Painting for
the Museum of the Future" a multi-
media exploration of visual art through
a theatrical experience developed by
author and curator Rene Yanez, with
visual designer Nancy Lytle, sound-
track designer Julian Smedley and
stage designer Laura Farabough

Nuyorican Poets Cafe,
New York, New York
\$29,500

Toward the production of new or previ-
ously unproduced scripts by playwrights
Quincy Troupe, Ntozake Shange,
Amiri Baraka, and Miguel Piñero

Pregonos Touring Puerto Rican
Theater Collection,
Bronx, New York
\$24,500

Toward the development and produc-
tion of an adaptation of "The Zeppelin
and Geni" based on composer Chico
Buarque's poem "Gem y el Zepel" by
director Alvan Colon Lesprier, musical
director Ricardo Pons, playwright
Jose Luis Ramos Escobar, designer
Pepon Osorio, and choreographer
Paulette Beauchamps

Randolph Street Gallery,
Chicago, Illinois
\$19,500

Toward the commission and produc-
tion of a new work by Natsu
Nakajima, a Butoh artist

Redwood Cultural Work,
Oakland, California
\$21,500

Toward the commission and produc-
tion of "Heartbeat of the Ancestors," a
performance piece created by the

percussion ensemble *Skin Talk*, under the direction of Carolyn Brandy and Bobi Cespedes, with stage director Linda Goodrich, scriptwriter June Jordan, and jazz singer/storyteller Faye Carol.

The Road Company,
Johnson City, Tennessee
\$19,500

Toward the development and production of "Places and the Displaced," a collaboration between the Road Company and the Department of Theatre Arts at Virginia Tech, by playwright Barbara Carlisle, with Mapopa Mtonga and Alan Bolt.

St. Ann's Center for Restoration and the Arts,
Brooklyn, New York
\$27,500

Toward the development and co-production with River Arts Repertory of "The Comedian Harmonists," a new music theater piece created by writer Jonathan Cott, musical director Wilbur Pauley, and filmmaker Eberhard Fechner.

San Francisco Mime Troupe,
San Francisco, California
\$24,500

Toward a collaborative exchange between the San Francisco Mime Troupe and the Kalinangan Ensemble of the Philippine Educational Theatre Association, to create and produce an original musical theater piece.

Sang-Froid,
New York, New York
\$19,500

Toward the creation and production of "The Opium War," a multi-media opera by playwright/lyricist Ana Maria Simo, composer Zeena Parkins and director Linda Chapman

Symphony Space,
New York, New York
\$17,500

Toward the conceptualization, commission and production of three evenings of Native American music, dance and poetry in collaboration with the World Music Institute

Theatre Rhinoceros,
San Francisco, California
\$24,500

Toward the creation and production of "Looking For Bayard," by playwright/director Brian Freeman, poet/performer Bernard Branner, and singer/actor Eric Gupron

Touchstone Theatre,
Bethlehem, Pennsylvania
\$29,500

Toward a collaboration between Touchstone and Teatro La Memoria to develop "The Chile Project," a new bilingual theatre work by writer Marco Antonio De La Parra

University of Alaska Foundation,
Fairbanks, Alaska
\$24,000

Toward the creation and production of "Earth and the Great Weather," a music, theater, and dance work created by composer John Luther Adams, director Dave Hunsaker, choreographer Wendy Rodgers and designer Alex Nichols, with Inupiat performers James Nageak and Doreen Simmons, Gwich'in performers Adeline Peter and Lincoln Tritt and the musicians of Coyote's Band.

National Jazz Service Organization,
Washington, D.C.
\$30,000

In support of its quarterly journal and its Technical Assistance Program.

National Video Resources,
New York, New York

[1991 - \$1,000,000, in addition to remaining funds from prior year appropriations]
To increase public access through videocassette to outstanding cultural, educational, and documentary film and video materials.

American Library Association,
Chicago, Illinois
\$12,327

To prepare and produce an educational video for public librarians on how to conceptualize and create a collection of independent films and tapes

Appalshop, Inc.,
Whitesburg, Kentucky
\$15,000

To package and target ten videocassettes to a specific market niche and upgrade its computer system.

Art Institute of Chicago, Illinois
\$11,575

For technical improvement of its Video Data Bank's computer system

Civil Rights Project, Inc.,
Boston, Massachusetts
\$10,000

To explore the feasibility of an organization created to provide full educational multimedia publishing support

to post-broadcast public television programs.

Empowerment Project,
Santa Monica, California
\$6,000

To conduct a marketing experiment using social-issue documentaries on videocassette.

Film and Allied Workers
Organisation,
Johannesburg, South Africa
\$11,000

In support of its Video Suitcase Project.

Hawaii International Film Festival,
Honolulu
\$7,500

To refine an Asia/Pacific Film Study Curriculum Guide and implement a comprehensive in-service teacher training program

Indiana Humanities Council,
Indianapolis
\$9,000

To produce and distribute a catalog of independent works and a sample video of excerpts for distribution to Indiana public librarians

International Film Circuit, Inc.,
New York, New York
\$15,750

To develop a model for cross-promoting independent videos and university press publications.

National Asian American
Telecommunications Association,
San Francisco, California
\$8,900

For technical improvement of its CrossCurrent Media Distribution Project.

New Day Films Cooperative, Inc.,
New York, New York
\$14,830

To conduct institutional market research

Realize Your Energy,
San Francisco, California
\$5,000

Toward a national conference on the future of independent black film and video distribution.

Seventh Generation, Inc.,
Colchester, Vermont
\$95,000

To create, produce, and distribute a mail order catalogue of high-quality educational, environmentally oriented videos

Television Trust for the Environment,
London, England
\$19,300

To develop model strategies for maximizing non-broadcast distribution of video in the United States and Europe.

Terra Nova Films, Inc.,
Chicago, Illinois
\$6,870

For technical improvement of its computer system.

The Video Project,
Oakland, California
\$11,360

For technical improvement of its computer and telephone systems.

WGBH Educational Foundation,
Boston, Massachusetts
\$25,620

Toward initial costs involved with developing a system whereby independent producers can negotiate collectively for reduced prices for archival footage rights.

Walker Art Center,
Minneapolis, Minnesota
\$25,000

To establish and evaluate a pilot, museum-based project for the rental of independent and multicultural features and documentaries.

Women Make Movies, Inc.,
New York, New York
\$15,000

For technical improvement of its computer system.

Foundation-administered project
\$578,540

Program support expenses.

Network of Cultural Centers of
Color,
New York, New York
\$50,000

Toward its direct costs for production and touring in 1991.

New England Foundation for the
Arts,
Cambridge, Massachusetts
\$19,900

For planning and implementation of its Arts and Community Development Partnerships initiative

New York Foundation for the Arts,
New York
\$7,500

Toward the start-up activities of its

Arts Wire project, a nationwide communication system for the arts community

New York University,
New York
\$14,000

For a Media Alternative Project to develop selection criteria and recommended titles of independent multicultural works for use within academic disciplines

Painted Bride Art Center,
Philadelphia, Pennsylvania
\$28,000

Toward the costs of its Latino Community Theater Project in collaboration with Taller Puertorriqueño

Performance Space 122,
New York, New York
\$15,000

Toward the costs of its participation in Contatos Centicos, a residency program for Brazilian and American artists

Perseverance Theatre,
Douglas, Alaska
\$35,000

Toward the second phase of its establishment of a multicultural company

San Francisco Bay Area Dance Coalition, Inc.,
California
\$30,000

In support of its program for commissioning new works, the Bay Area Fund for Dance

Southwest Museum,
Los Angeles, California
\$5,000

Toward the costs of its exhibition "Porfirato The Photography of C B Wate, 1898-1913"

Survey Exhibition of Mexican Art
[1990 - \$400,000]

To support educational and performing arts programs developed in host cities to complement the exhibition entitled "Mexico Splendors of Thirty Centuries"

Guadalupe Cultural Arts Center,
San Antonio, Texas
\$30,000

Toward its exhibition "Chicano Art/Mexican Art Mutual Influences"

and its Chicano Media Arts Conference

Plaza de la Raza,
Los Angeles, California
\$25,000

Toward implementation of its 1991 Margo Albert Festival of the Arts

Self Help Graphics and Art Inc.,
Los Angeles, California
\$15,000

Toward its project "The Arts of Mexico - Its North American Variant," which explores significant aspects of Chicano graphic art

Tonantzín,
Los Angeles, California
\$5,000

Toward the costs of performances of, and the creation of educational materials on, traditional Mexican dance

In addition, the following grants-in-aid were made in support of activities associated with this exhibition

Beem Foundation for the Advancement of Music,
Los Angeles, California
\$5,000

Toward its six-part series of lectures and concerts entitled "African Influences in Music of Mexico," to complement the exhibition "Mexico Splendors of Thirty Centuries"

Bilingual Foundation of the Arts,
Los Angeles, California
\$10,000

Toward the costs of producing the play "Los De Abajo" to complement the exhibition "Mexico Splendors of Thirty Centuries"

Craft and Folk Art Museum,
Los Angeles, California
\$8,000

Toward the costs of presenting "Folk Treasures of Mexico Highlights from the Nelson A Rockefeller Collection" to complement the exhibition "Mexico Splendors of Thirty Centuries"

East Los Streetscapers,
Los Angeles, California
\$5,000

Toward the development and implementation of three mural painting performances

Government of Mexico, Mexico City
\$11,600

For the exhibition "El Pueblo del Sol" to complement the exhibition "Mexico Splendors of Thirty Centuries"

\$11,000

Toward expenses relating to the artistic presentations at the Lila Cockrell Theatre

Macondo Cultural Center,
Los Angeles, California
\$10,000

Toward its series of concerts and workshops entitled "A Retrospective of Mexican Music," designed to complement the exhibition "Mexico Splendors of Thirty Centuries"

Museum Associates,
Los Angeles, California
\$5,000

In support of the Los Angeles County Museum of Art's fiesta of traditional and folk arts, to complement the exhibition "Mexico Splendors of Thirty Centuries"

Social and Public Art Resource Center,
Los Angeles, California
\$10,000

Toward the costs of presenting "Encuentro/Encounters," to complement the exhibition "Mexico Splendors of Thirty Centuries"

University of Southern California,
Los Angeles
\$10,000

For use by its School of Cinema-Television toward the costs of presenting a retrospective survey of Mexico's national cinema as a complement to the exhibition "Mexico Splendors of Thirty Centuries"

Vincent Price Art Gallery Foundation,
Los Angeles, California
\$10,000

For its exhibition entitled "Modern Mexican Masters Cora-Coronel-Cuevas," to complement the exhibition "Mexico Splendors of Thirty Centuries"

Television Trust for the Environment,
London, England
[1991 - \$200,000]

To provide production support for "Developing Stories," a series of television programs by third-world filmmakers that interprets their countries' perspectives on the issues of development and the environment

Telluride Institute,
Colorado
\$20,000

To make possible the participation of

three third-world composers in its 1991 Composer-to-Composer Festival

Theater Artaud, Inc.,
San Francisco, California
\$35,000

Toward continued support of its project, "Black Choreographers Moving toward the 21st Century"

Twin Cities Public Television, Inc (KTCA/TV),
Minneapolis/St Paul, Minnesota
[1991 - \$200,000]

To support continued production of its national public television series "Alive from Off Center," a summer showcase of innovative work in dance, theater, music, and performance and video art

University of California, Los Angeles
\$50,000

Toward the UCLA Film and Television Archive's program, "The Mexican Cinema 1930-1990"

University of New Mexico,
Albuquerque
\$50,000

For use by KNME-TV for a collaborative production with the Institute of American Indian Arts entitled "Surviving Columbus First Encounters"

U S -Mexico Fund for Culture
[1991 - \$400,000]

To initiate a program of support for collaboration, exchange, and interaction between U.S. and Mexican artists and scholars

Visual Arts Research and Resource Center Relating to the Caribbean, Inc
New York, New York
\$25,000

Toward the costs of a conference "Cultural Diversity Based on Cultural Grounding II," organized by the Caribbean Cultural Council

Washington Drama Society, Inc.,
Washington, D C
\$50,000

Toward new work commissioned, developed and produced by Arena Stage in conjunction with its cultural diversity program

EQUAL
OPPORTUNITY GRANTS

The equal opportunity division seeks to assure full participation of minorities in American life. In attacking persistent poverty in urban America, it supports activities in four categories: programs of planning and action in a few selected cities, national initiatives for community economic development, research and policy analysis, and research and action to strengthen basic skills and family support. To protect basic rights, the division supports litigation and advocacy, voter registration and education, and related research and policy analysis.

Equal Opportunity
For The Urban Poor

American Enterprise Institute for Public Policy Research, Washington, D.C.
\$50,000
Toward the costs of a forthcoming AEI/White House Project on Integrated Services to Children and Families.

Center on Budget and Policy Priorities, Washington, D.C.
[1991 - \$250,000, in addition to remaining funds from prior year appropriations]
To continue support for the Center's policy analysis on state and local government budgets and the safety net programs for low-income families and individuals.

Center for Community Change, Washington, D.C.
[1991 - \$300,000]
To support the Center's targeted efforts to increase the public and private resources needed for community-based development.

\$20,000
Toward the costs of educating, convening, and consensus-building on issues related to poverty, including urban underclass problems.

Center for Documentary Media, St. Paul, Minnesota
\$20,000
Toward the research and development costs of a television documentary on poverty in America.

Center for Employment Training, San Jose, California
\$50,000
Toward the costs of disseminating its Learning in Context job-training model

Center for Strategic and International Studies, Washington, D.C.
\$90,400
Toward the costs of the second phase of its "National Service for Out-of-School Youth" project.

Children's Defense Fund, Washington, D.C.
[1991 - \$210,000]
To facilitate the planning and development of a ten-year black community crusade for children.

[1991 - \$500,000]
To continue assistance for its efforts to improve public policies affecting children.

Children Now, Oakland, California
[1991 - \$200,000, in addition to remaining funds from prior year appropriations]
To support its development of mass communication techniques for informing California's general public and policy-makers about issues that directly affect the physical and psychological well-being of the state's children.

Coalition of Community Foundations for Youth [1991 - \$550,000]
To provide technical assistance to community foundations to intensify their efforts - locally and collectively - to improve the conditions of disadvantaged children in their communities and across the country.

Community Planning and Action [1991 - \$2,356,200, in addition to remaining funds from prior year appropriations]
To continue support at a reduced level for the operation in selected cities of planning and action projects dedicated to reducing persistent poverty, and to fund the start-up of a national urban change network

Boston Foundation, Massachusetts
\$350,000
To support the continued development and operation of planning and action projects dedicated to reducing persistent poverty.

Case Western Reserve University, Cleveland, Ohio
\$300,540
To support the continued development and operation of planning and action projects aimed at reducing persistent poverty.

Greater Washington Research Center, Washington, D.C.
\$395,000
To continue support at a reduced level for the operation in selected cities of planning and action projects dedicated to reducing persistent poverty.

Partnership for Hope, San Antonio, Texas
\$355,000
To continue support of its planning and action projects dedicated to reducing persistent poverty.

Piton Foundation, Denver, Colorado
\$38,000
Toward the cost of the Poverty Project's information campaign

\$345,000
To continue support of its planning and action projects dedicated to reducing persistent poverty.

Twentieth Century Fund, New York, New York
\$15,000
Toward the costs of site-based research at the Foundation's community planning and action projects in Cleveland and Denver.

Urban Institute, Washington, D.C.
\$240,000
Toward the costs of an analysis of persistent poverty and an assessment of the human service delivery system in San Antonio, Texas.

Urban Strategies Council,
Oakland, California
\$228,000
Toward the cost of the establishment of a Secretariat for the Community Planning and Action Project

\$6,900
Toward the cost of an assessment of its organizational structure by the Management Assistance Group.

\$365,000
To continue support, at a reduced level, for the operation in selected cities of its planning and action projects dedicated to reducing persistent poverty.

Foundation-administered project
\$40,000
Toward the costs of national networking activities.

Development Training Institute,
Baltimore, Maryland
\$98,400
Toward the costs of the project, "Towards a Methodology Addressing the Human Resources Crisis in Community Development Corporations."

Enterprise Foundation,
Columbia, Maryland
[1991 - \$150,000, in addition to remaining funds from prior year appropriations]
To continue support for its effort to develop nonprofit systems for improving housing and human and community services in low-income neighborhoods.

Expanded Child Care Options
[1990 - \$3,600,000 in addition to remaining funds from prior year appropriations]
To support a multiyear demonstration, and evaluation of two alternative child care support systems for low-income families.

Foundation-administered projects
\$700,000
Toward management, evaluation, and dissemination costs of a multiyear demonstration of two alternative child care support systems for low-income families

\$71,000
Toward the cost of the Future of Work Task Force.

Federation of Protestant Welfare Agencies,
New York, New York
\$45,900
Toward the cost of establishing an African-American and Latino Males Initiative.

Foundation-administered projects
\$70,000
For the start-up of National Community Development Initiative-related activities

\$94,190
To identify communications strategies to promote understanding of persistent poverty in America

HANDSNET,
Cupertino, California
\$50,000
To assess the feasibility of an electronic network among persons and organizations concerned with children and families

Harvard University,
Cambridge, Massachusetts
\$99,780
Toward the costs of a study entitled "Nurturing Environments in African-American Communities: Learning and Socio-Economic Development."

Human Capital
[1991 - \$275,800, in addition to remaining funds from prior year appropriations]
To develop a cohort of young, minority scholars concerned with public policy analysis and the study of persistent poverty and the underclass

Social Science Research Council (SSRC),
New York, New York
\$624,200
To continue support for the SSRC's fellowship and training program aimed at developing a cohort of younger scholars concerned with the study of persistent poverty and the underclass

University of Maryland,
College Park
\$125,800
For use by its Afro-American Studies Program in developing a cohort of young minority scholars concerned with public policy analysis, and the study of persistent poverty and the underclass

University of Michigan,
East Lansing
\$150,000
For use by its School of Social Work and Public Policy in developing a cohort of young minority scholars concerned with public policy analysis and the study of persistent poverty and the underclass.

Woodrow Wilson National Fellowship Foundation,
Princeton, New Jersey
\$300,000
To enlarge the supply of minority scholars trained for the field of public policy management

Joint Center for Political and Economic Studies,
Washington, D.C.
[1991 - \$260,000, in addition to remaining funds from prior year appropriation]
To continue support for its policy analyses and dissemination activities on issues of persistent poverty and the underclass.

\$34,000
Toward the dissemination costs of "Poverty, Inequality and the Crisis of Social Policy"

Local Initiatives Support Corporation (LISC),
New York, New York
[1991 - \$250,000, in addition to remaining funds from prior year appropriations]
For core management expenses

Manpower Demonstration Research Corporation,
New York, New York
\$100,000
Toward the costs of follow-up research of the JOBSTART Demonstration Project.

Minority Female Single Parent Program (MFSP),
[1990 - \$700,000, in addition to remaining funds from prior year appropriations]
To complete evaluation research of the Minority Female Single Parent Program and dissemination of the research findings

Center for Employment Training,
San Jose, California
\$100,000
For a dissemination project in response

to interest generated by the MFSP evaluation.

Foundation-administered project
\$700,000
For the costs of administering, evaluating, and monitoring the program and disseminating the findings.

Morehouse College,
Atlanta, Georgia
\$100,000
In support of the Morehouse Research Institute, which seeks to inform public policy and action agendas as they relate to and have an impact on black men in American society.

National Association of Latino Elected and Appointed Officials Educational Fund,
Los Angeles, California
\$76,000
Toward the costs of the project, "A Study of the Public Policy Information Sources and Methods which Local and State Latino Elected Officials Utilize."

National Community Development Initiative (NCDI)
[1991 - \$161,000, in addition to remaining funds from prior year appropriations]
To provide operational support for the NCDI.

Enterprise Foundation,
Columbia, Maryland
\$395,000
To provide operational support for the NCDI.

Local Initiatives Support Corporation (LISC),
New York, New York
\$74,000
To provide operational support for the NCDI

Foundation-administered project
\$178,000
Toward operational support for the NCDI.

National Congress for Community Economic Development,
Washington, D.C.
\$20,000
Toward continuation of the Service-Oriented Economic Development Initiative.

<p>NCI Research, Evanston, Illinois \$100,000 <i>Toward the costs of a study entitled "Increasing Employment Opportunities in Allied Health Care Occupations for Inner City Residents."</i></p>	<p><i>patung in the National Community Development Initiative.</i></p>	<p>Texas Interfaith Education Fund, Austin, Texas \$60,000 <i>Toward the costs of research and planning to support four innovative job-training pilot projects.</i></p>	<p>\$50,000 <i>Toward the costs of a project entitled "Child Development and Community Police."</i></p>
<p>New School for Social Research, New York, New York \$100,000 <i>Toward the costs of research on the social effects of community development corporations</i></p>	<p>Piton Foundation, Denver, Colorado \$50,000 <i>Toward the cost of building community support to bring about school reform in Denver.</i></p>	<p>Tomás Rivera Center, Claremont, California [1991 - \$250,000, in addition to remaining funds from prior year appropriations] <i>To continue its studies of social, economic, and political conditions in targeted Latino areas of Texas.</i></p>	<p>Protecting Basic Rights</p>
<p>New York University, New York [1991 - \$200,000] <i>To support analysis of the implementation of its project aimed at ameliorating the problem of substance abuse in key target groups of inner-city residents</i></p>	<p>Program to Explore Long-Term Implications of Changing Gender Roles [1988 - \$800,000, in addition to remaining funds from prior year appropriations] <i>To further understanding of the relationship between changing gender roles and new patterns of family life and work in postindustrial societies.</i></p>	<p>University of Massachusetts, Amherst \$39,300 <i>Toward the costs of preparing a monograph on family homelessness in the United States.</i></p>	<p>Association of Black Foundation \$25,000 Executives, Washington, D.C. <i>Toward the cost of its general operating expenses.</i></p>
<p>\$52,500 <i>For a series of conferences on urban development entitled "Urban Forums" (Joint grant with Arts and Humanities, for a total of \$105,000.)</i></p>	<p>Foundation-administered project \$31,319 <i>Toward the costs of disseminating the competitive grants program, "The Implications of Changing Gender Roles in Post-Industrial Societies," and developing materials for dissemination, including consultant costs.</i></p>	<p>University of Michigan, Ann Arbor [1991 - \$150,000, in addition to remaining funds from prior year appropriations] <i>To support the implementation, by its Law School, of a Program in Legal Assistance for Urban Communities.</i></p>	<p>Center for Community Change, Washington, D.C. \$5,000 <i>For use by its Funders' Committee for Voter Registration and Education in producing an insert for the Council on Foundations' newsletter.</i></p>
<p>Northwestern University, Evanston, Illinois \$50,000 <i>Toward the cost of the project, "The Effects of Spatial and Skill Mismatches on Minority Employment."</i></p>	<p>Public/Private Ventures, Inc., Philadelphia, Pennsylvania [1991 - \$300,000, in addition to remaining funds from prior year appropriations] <i>To continue support for its evaluation of the Urban Youth Corps Expansion Project.</i></p>	<p>Urban Institute, Washington, D.C. [1991 - \$300,000, in addition to remaining funds from prior year appropriations] <i>To continue support for its policy research on the urban underclass and dissemination of the findings to policymakers, community leaders, and the media.</i></p>	<p>\$5,000 <i>To produce a series of newsletters and opinion ads in philanthropic publications.</i></p>
<p>Parents United for the D.C. Public Schools, Washington, D.C. \$50,000 <i>Toward the costs of expanding its networking and research capabilities and assisting with the implementation of the recommendations of the D.C. Committee on Public Education</i></p>	<p>\$98,500 <i>Toward the costs of collaborating with the Center for Strategic and International Studies on a study entitled "National Service for Out-of-School Youth"</i></p>	<p>\$77,000 <i>Toward the cost of activities focussed on the use of testing or audits to measure discrimination.</i></p>	<p>Civil Rights Litigation Organizations [1991 - \$250,000] <i>To provide technical assistance to three civil rights litigation groups that have received Foundation stabilization grants.</i></p>
<p>People for the American Way, Washington, D.C. \$100,000 <i>Toward the costs of a study on efforts to promote public dialogue on racial and ethnic tension in the United States.</i></p>	<p>Research Foundation of the City University of New York, New York \$100,000 <i>Toward the initiation of the Latino Urban Policy Initiative.</i></p>	<p>Urban Strategies Council, Oakland, California \$75,000 <i>To support the work of the Commission for Positive Change in the Oakland Public Schools.</i></p>	<p>Fair Employment Council of Greater Washington, Washington, D.C. \$50,000 <i>Toward operating expenses.</i></p>
<p>The Philanthropic Initiative, Boston, Massachusetts \$42,500 <i>Toward the costs of testing the interest of a second tier of donors in partici-</i></p>	<p>Social Science Research Council, New York, New York [1991 - \$500,000 in addition to remaining funds from prior year appropriations] <i>To continue support for the SSRC's five-year program to mobilize the academic community for interdisciplinary research on the underclass.</i></p>	<p>Yale University, New Haven, Connecticut \$3,000 <i>Toward dissemination costs for a book on social welfare policy. <u>America's Misunderstood Welfare State: Persistent Myths, Continuing Realities.</u></i></p>	<p>\$46,000 <i>Toward the cost of a series of testing initiatives focused on discriminatory employment practices affecting Latinos in the Washington metropolitan area.</i></p>
			<p>Hispanics in Philanthropy, Berkeley, California \$20,000 <i>Toward its general operating expenses.</i></p>

Joint Center for Political and Economic Studies, Washington, D C
[1991 - \$450,000, in addition to remaining funds from prior year appropriations]
To continue support for the work of its Policy Analysis Division on issues of particular importance to black Americans

Leadership Conference Education Fund, Washington, D C
\$15,000
Toward the costs of a strategy session focusing on the issue of redistricting and minority representation

\$25,000
Toward the costs of an education campaign to inform the public about the current state of civil rights

Minority Voter Participation
[1991 - \$750,000]
To enable selected organizations (1) to conduct nonpartisan voter registration and education activities (2) to conduct voting rights litigation and (3) to provide technical assistance for policy reform and redistricting efforts

The purpose for funding each of the following organizations is toward the costs of providing technical assistance,

education, and analysis relating to the 1991 redistricting process

Institute for Puerto Rican Policy, New York, New York
\$35,000

Lawyer's Committee for Civil Rights Under Law, Washington, D C
\$70,000

Mexican American Legal Defense and Educational Fund, Los Angeles, California
\$90,000

Midwest/Northeast Voter Registration Education Project, Chicago, Illinois
\$65,000

NAACP Special Contribution Fund, Baltimore, Maryland
\$90,000

Norfolk State University Foundation, Virginia
\$20,000

Puerto Rican Legal Defense and Education Fund, New York, New York
\$90,000

Southern Regional Council, Atlanta, Georgia
\$140,000

Southwest Voter Registration Education Project, San Antonio, Texas
\$70,000

Southwest Voter Research Institute, San Antonio, Texas
\$80,000

NAACP Legal and Defense and Education Fund, New York, New York
[1991 - \$500,000, in addition to remaining funds from prior year appropriations]
Toward general support and to provide technical assistance to three other civil litigation groups that have received Foundation stabilization grants

NAACP Special Contribution Fund, New York, New York
\$100,000
Toward the costs of its proposed structural reorganization

\$10,000
Toward the costs of synthesizing and disseminating policy statements from a conference entitled "School Desegregation - The Unfinished Agenda" (Joint grant with School Reform for a total of \$20,000)

National Hispanic Leadership Agenda, Annandale, Virginia
\$25,000
For use in promoting public awareness of Hispanic issues

Poverty and Race Research Action Council, New York, New York
[1991 - \$250,000, in addition to remaining funds from prior year appropriations]
To continue support for its networking conferencing and commissioning of advocacy-driven, social science research on race and poverty issues

\$125,000
Toward Council-sponsored research in support of advocacy on race and poverty

\$101,414
For research grants and conferences in support of advocacy on race and poverty

Urban Institute, Washington, D C
\$15,000
Toward dissemination costs for a report entitled "Opportunities Denied Opportunities Diminished Discrimination in Hiring"

SCHOOL
REFORM GRANTS

The Foundation supports a limited number of programs to improve public education in poor communities for at-risk children and to help these young people succeed in school.

Alliance for Education in Global and International Studies (AEGIS), New York, New York
\$15,000
In support of its administrative activities and program development.

Collaboratives for Humanities and Arts Teaching (CHART)
[1991 - \$2,475,000, in addition to remaining funds from prior year appropriations]
To continue the national network of teacher-centered projects that promote arts and humanities education and to press for systemic curricular reforms that build on the knowledge gained from CHART

American Forum, Inc., New York, New York
\$60,000
Toward the costs of the New York and the World project in the New York City public schools

Bryn Mawr College, Pennsylvania
\$180,000
Toward extension and further development of the CHART network.

\$684,000
Toward continued administration, evaluation, and programming of the CHART network.

Connecticut Humanities Council, Middletown
\$200,000
Toward the support of the Connecticut Humanities Alliance as an active participant in the CHART initiative.

Dade Community Foundation, Miami, Florida
\$150,000
For the 1991-92 Dade County Public Schools' Teacher Education Center Humanities Project. "Inhabiting Other Lives."

Hispanic Culture Foundation, Albuquerque, New Mexico
\$150,000
In support of the New Mexico CURRENTS program.

Los Angeles Educational Partnership, California
\$125,000
Toward the institutionalization of its HUMANITAS model

Michigan Council for the Humanities, East Lansing
\$125,000
To implement, and ultimately institutionalize, the Renaissance Outreach Alliance for the Detroit-area schools.

PATHS/PRISM. The Philadelphia Partnership for Education, Pennsylvania
\$20,000
For completion of its project to revise the world history curriculum taught in Philadelphia public schools

Pittsburgh Public School District, Pennsylvania
\$57,200
For continuation of the Arts PROPEL Dissemination Project

Public Education Coalition, Denver, Colorado
\$150,000
Toward the implementation of its SUMMIT (Scholars United for Multicultural Inquiry in Teaching) initiative in the Denver-area public schools.

San Francisco Education Fund, California
\$175,000
Toward the costs of the Humanities, Education, Research, and Learning Development (HERALD) project and the organizational restructuring of the Fund

South Carolina Committee for the Humanities, Columbia
\$150,000
In support of the Rural Education Alliance for Collaborative Humanities (REACH) program.

\$53,500
To allow the Committee's Rural Education Alliance for Collaborative Humanities (REACH) program to conduct additional work in up to six model school districts to bring all school-based and state-wide reforms together.

University of Arkansas at Little Rock
\$150,000
For use by its Arkansas International Center in continuing an interdisciplinary teacher-training program in global education.

Foundation-administered projects
\$11,780
For the costs of organizing and coordinating the announcement of the New Mexico CHART initiative.

\$41,875
For the provision of stipends for Washington, D.C. teachers who attended the July 1991 D C Public Schools' Superintendent's Academy for Humanities and Arts Teaching.

College Board, New York, New York
\$25,000
Toward the costs of preparing a joint proposal with metaNetworks, Inc. for the development and implementation of The "Juice Factory," a multicultural youth leadership center.

Council of Chief State School Officers, Washington, D.C.
\$50,000
Toward the costs of producing a video series of its 1990 Summer Institute, held in Mystic, Connecticut.

Council on Foundations, Washington, D.C.
\$2,500
For use by Grantmakers for Children and Youth toward its 1991 work.

\$5,000
In support of its Precollegiate Education Program.

Council of Michigan Foundations, Grand Haven
\$4,500
For the creation of an information exchange to serve community foundations belonging to the Coalition of Community Foundations for Youth Development.

Efficacy Institute, Inc., Lexington, Massachusetts
\$100,000
To facilitate its planning for national replication of its "Efficacy Seminar," a training process designed to enhance the academic performance and intellectual development of minority students.

Foundation-administered projects
\$103,950
Toward costs related to development and implementation of "The Juice Factory."

\$4,500
Toward the development of a formal proposal for production of a television documentary on James P. Comer and the Comer School Development Program:

\$8,800
Toward costs related to the taping of a conference on youth development held in Key Biscayne, Florida, September 1990.

- \$8,895**
Program support expenses
- \$50,000**
For costs related to further development and implementation of "The Juice Factory," an innovative program to prepare at-risk urban youth for the emerging multicultural world of the 1990s and beyond.
- \$16,500**
For administrative costs related to the Coalition of Community Foundations for Youth Conference held in Indianapolis, Indiana, October 5-6, 1991.
- Fund for the City of New York, New York**
\$7,000
Toward the costs of holding a retreat for New York City commissioners serving children and youth.
- Edmund W. Gordon, administered by the Children's Defense Fund, Washington, D.C.**
\$59,000
Toward support of a study of school disengagement/re-engagement among African-American male adolescents.
- Greater Kansas City Community Foundation, Kansas**
\$6,700
For costs associated with managing and coordinating the National Coalition for Youth during its transition phase.
- Harvard University, Cambridge, Massachusetts**
[1991 - \$504,000]
To initiate a multi-site demonstration and evaluation of new modes of student assessment.
- \$36,000**
In support of the Harvard University Graduate School of Education's feasibility study center for a national center for diversified learning and assessment.
- \$50,000**
To enable its Graduate School of Education to conclude the research and development phase of Arts PROPEL by preparing a series of written materials for interested schools, institutions, and communities.
- Institute for Educational Leadership, Inc., Washington, D.C.**
\$100,000
For use by a consortium composed of the Institute for Educational Leadership, the McKenzie Group, and the Joint Center for Political and Economic Studies toward a national training program for emerging and nontraditional school superintendent candidates.
- Michigan State University, East Lansing**
\$100,000
For use by the Holmes Group toward the project "Tomorrow's Graduate Schools of Education Curriculum Quality and Social Responsibility"
- \$40,000**
Toward costs of development and planning of a district leadership academy.
- NAACP Special Contribution Fund, Baltimore, Maryland**
\$10,000
Toward the costs of synthesizing and disseminating policy statements from a conference entitled "School Desegregation - The Unfinished Agenda." (Joint grant with Equal Opportunity, for a total of \$20,000.)
- National Council of La Raza, Washington, D.C.**
\$100,000
Toward the costs of research and policy analysis on selected aspects of education reform by its Policy Analysis Center.
- Rutgers University, New Brunswick, New Jersey**
\$50,000
For use by the Center for Educational Policy Analysis in New Jersey toward costs of a study on the effects of the Quality Education Act on at-risk children in New Jersey.
- Spreading the Comer School Development Program and Philosophy**
[1991 - \$1,600,000]
To expand the number of public schools utilizing the school improvement approach developed by Dr. James P. Comer; to incorporate his methodology into the educator-training institutions, and to expose education policymakers to his philosophy.
- Central State University, Wilberforce, Ohio**
\$75,000
Toward support of its Graduate School of Education to develop courses derivative of Dr. James P. Comer's work for inclusion in the curriculum of their MA program for urban elementary and secondary school teachers.
- Federal City Council, Washington, D.C.**
\$62,338
For use by the District of Columbia Committee on Public Education in support of spreading the Comer School Development Program and philosophy in D.C. elementary schools
- Southern University at New Orleans, Louisiana**
\$150,000
To collaborate with the New Orleans Public Schools in implementing the Comer School Development Program and to improve its pre-service teacher preparation
- State of New Jersey Department of Education, Trenton**
\$5,595
For a state-wide orientation for schools and districts in New Jersey who are interested in implementing the Comer School Development Program.
- Yale University, New Haven, Connecticut**
\$798,330
For use by the Yale Child Study Center in introducing the Comer School Development Program into New Haven public schools.
- Foundation-administered projects**
\$100,000
Program support expenses.
- \$70,000**
Toward the design and implementation of a concerted campaign to bring the philosophy and work of Dr. James Comer to the attention of education policymakers and opinion leaders
- \$2,340**
Toward the costs of enabling ten teachers participating in the Washington, D.C. Comer School Development Program to attend the 1991 D.C. Public Schools Superintendent's Academy for Humanities and Arts Teaching.
- \$100,000**
Toward the implementation of a concerted campaign to bring Dr. James P. Comer's philosophy and work to the attention of education policymakers and opinion leaders.
- \$100,000**
Toward administrative and production costs associated with spreading the Comer School Development Program and Philosophy.
- \$130,000**
Toward a video marketing campaign in connection with the Comer School Development Program
- Texas Interfaith Education Fund, Austin**
[1991 - \$500,000, in addition to remaining funds from prior year appropriations]
To accelerate the pace of local school reform by strengthening the capacity of parents and community organizations as sophisticated and constructive catalysts for change on behalf of at-risk children.
- Training Education Leaders to Improve At-Risk Schools**
[1991 - \$860,000, in addition to remaining funds from prior year appropriations]
To continue support for its pilot academies that train principals and other building-level educators to meet the challenge of managing schools that serve at-risk children
- Michigan State University, East Lansing**
\$254,000
To continue support of its pilot summer academies that train principals and other building-level educators to meet the challenge of managing schools that serve at-risk children.
- University of New Mexico, Albuquerque**
\$306,000
To continue support of its pilot summer academies that train principals and other building-level educators to meet the challenge of managing schools that serve at-risk children.
- Southern Education Foundation, Atlanta, Georgia**
\$150,000
To continue support of its pilot summer academies that train principals and other building-level educators to meet the challenge of managing schools that serve at-risk children.
- University of New Mexico, Albuquerque**
\$84,597
Toward the design and implementation of a program for developing expertise of a selected cadre of former participants in the New Mexico Academy for School Leaders to enable them to provide training to other schools in New Mexico.

OTHER INTERESTS
AND INITIATIVES GRANTS

Three relatively small grant programs are included in this section. They support work in (1) International Security – limiting the proliferation of nuclear and other weapons of mass destruction, encouraging developing-world participation in international security deliberations, and broadening the international security agenda to include the environment and other global issues (2) International Philanthropy – establishing new and/or strengthening existing foundation-like organizations in the developing world (3) Special Interests and Explorations, and the Archives – exceptionally meritorious projects that do not fall within established program guidelines, and general support for the Rockefeller Foundation Archives

Control of Chemical and Biological Weapons
[1991 - \$250,000]
To support the work of the Harvard University/University of Sussex International Program aimed at eliminating chemical and biological weapons and to make possible the addition to the program's leadership team of a southern partner

Massachusetts Institute of Technology, Cambridge
\$20,000
Toward support of a conference on Control of Unconventional Arms in the Middle East to be held by the Institute's Defense and Arms Control Studies Program

Harvard University, Cambridge, Massachusetts
\$150,000
To support the work of the Harvard University/University of Sussex International Program aimed at eliminating chemical and biological weapons and to make possible the addition to the program's leadership team of a southern partner

Monterey Institute of International Studies, California
\$40,000
Toward the cost of developing a computer database on the international ballistic missile trade and non-proliferation

INTERNATIONAL
SECURITY



Africa Leadership Foundation, Inc., New York, New York
\$100,000
To assist the Africa Leadership Forum in a series of activities aimed at laying a foundation for the formal adoption and implementation of the Conference on Security, Stability, Development and Cooperation in Africa process

in the coordination and further planning of Armswatch

Center for Foreign Policy Development, Providence, Rhode Island
\$20,000
Toward support of Soviet participation in a meeting on U.S.-Soviet-Cuban relations held in Havana, Cuba, January 1992

Federation of American Scientists Fund, Washington, D.C.
\$10,000
Toward the cost of travel expenses for up to ten third-world participants to a conference on issues related to the biological weapons convention

Natural Resources Defense Council (NRDC), New York, New York
\$100,000
Toward support of its Soviet Plutonium Safeguards Project

Armswatch
[1991 - \$319,000 in addition to remaining funds from prior year appropriations]
To plan Armswatch and to provide bridging support for the Center for War, Peace and the News Media at New York University

Committee for Responsible Genetics, New York, New York
\$25,000
Toward the costs of a program to educate the international biomedical research community, the public and policymakers about the growing threat of biological weapons

Fund for Peace, Inc., Washington, D.C.
\$25,000
To assist the Fund's National Security Archive in the completion of its Nuclear Non-Proliferation Documentation Project

Nuclear Control Institute, Washington, D.C.
\$10,000
To support the Nuclear Control Institute in its support of an International Conference on Plutonium

Mediators Foundation, Inc., Lexington, Massachusetts
\$40,000
To support the activities of the PARTNERS project for their participation

Institute of International Relations, Maputo, Mozambique
\$20,000
To support a conference entitled Security and Cooperation in a Post-Apartheid Southern Africa

Parliamentarians for Global Action, Washington, D.C.
\$100,000
Toward the cost of the organization's Nuclear Test Ban and Non-Proliferation Program and Peacekeeping and Collective Security Program

INTERNATIONAL
PHILANTHROPY

Development of Philanthropy
Abroad
[1991 - \$1,500,000]
*To launch a Rockefeller Foundation
program that will aim to encourage
and help develop philanthropy abroad.*

International Youth Foundation,
Battle Creek, Michigan
\$500,000
*In support of its efforts to improve the
conditions and prospects for children
and youth by channeling funds to
foundation-like organizations in
developing countries.*

\$250,000
*To assist with the start-up of the
Fundación Grupo Esquel-Ecuador.*

International Youth Foundation,
Battle Creek, Michigan
[1991- \$1,500,000]
*To support its efforts to promote and
strengthen philanthropy abroad,
including its administration of initial
capitalization for the Fundación
Grupo Esquel-Ecuador.*

Banco Sol,
La Paz, Bolivia
[1991 - \$200,000]
*To support, with a program-related
equity investment, a major innovation
in the microenterprise financing field -
a commercial microcredit bank*

CEIP Fund, Inc.,
Boston, Massachusetts
\$50,000
*In support of its Focus on Nonprofits
project for raising funds from founda-
tions for its Minority Opportunities
Program.*

Center on Addiction
and Substance Abuse,
New York, New York
\$50,000
Toward development of the Center.

Chinese Scholars of Political Science
and International Studies, Inc.,
Arlington, Virginia
\$30,000
*In support of projects to enhance
academic and social development in
China and long-term Sino-American
relations*

Common Cents New York, Inc.,
New York
\$30,000
For initial operating support.

Communications Consortium,
Washington, D.C.
\$100,000
*To inform policymakers, journalists,
and the public about a range of issues
and to assist not-for-profit organiza-
tions groups with communications
training and clerical assistance.*

Computer Professionals for Social
Responsibility,
Palo Alto, California
\$125,000
*Toward planning for the 21st Century
Project, a proposed multidisciplinary,
nationwide effort to reorient science
and technology policy in the U.S.
toward peaceful ends*

Corporation for Supportive Housing,
New York, New York
\$100,000
*To help it capitalize its New York City
program activity*

SPECIAL INTERESTS
AND EXPLORATIONS

African-American Institute,
New York, New York
\$40,000
*To enable it to participate in exploring
the feasibility of establishing an inter-
national working committee for the
creation of a South African
Development Bank.*

\$100,000
*To assist the African-American
Institute in the establishment of its
South African Office*

American Institutes for Research in
the Behavioral Sciences,
Washington, D.C.
\$30,000
*In support of a planning conference to
consider the merits of establishing a
statistical and data assistance center
for social services planning and
management.*

ArtsConnection,
New York, New York
\$25,000
*Toward planning and implementation
of programming for the new
ArtsCenter in the former High School
of Performing Arts building.*

Asia Society,
New York, New York
\$15,000
*Toward the costs of a national
symposium, "The Asian American
Experience: Looking Ahead."*

City University of New York,
New York
\$7,050
*To cover printing costs for a brochure
for high school and college students
considering a career in higher
education*

Committee for South African
Development
[1991 - \$368,000]
*To support the work of the Committee
for South African Development in
exploring means by which the interna-
tional community can promote the
improved economic, educational, and
social opportunities required in a
future post-apartheid South Africa,
including the feasibility of establish-
ing an international development bank.*

Phelps Stokes Fund,
New York, New York
\$169,500
*In support of its project, the
Committee for South African
Development.*

Council on Foundations,
Washington, D.C.
\$24,700
Toward its 1991 operating expenses.

Farmworker Justice Fund, Inc.,
Washington, D.C.
\$7,500
*Toward underwriting expenses for the
PBS broadcast of "H-2 Worker."*

Foundation for New Philanthropy, Inc.,
Boston, Massachusetts
\$100,000
*Toward the costs of increasing its
programmatic reach and capacity.*

Friends of the Institute
for a Democratic Alternative
for South Africa,
New York, New York
[1990 - \$150,000]
*To support the work of the Institute
for a Democratic Alternative for
South Africa to encourage the evolu-
tion of a democratic, non-racist society
in South Africa.*

\$19,600 <i>Toward the costs of a November 1990 conference. "The Shape and Role of the Media in a New South Africa," held in Johannesburg</i>	Investment Fund for Foundations, New York, New York [1991 - \$250,000] <i>To offer small and medium-sized foundations an opportunity to improve their investment performance through participation in a commingled investment fund</i>	National Charities Information Bureau, Inc., New York, New York \$5,000 <i>Toward its 1991-92 operating budget</i>	Foundation-administered project \$160,846 <i>For the development of materials resulting from the competitive grants program, "The Implications of Changing Gender Roles in Post-Industrial Societies," for dissemination (Joint allocation with Equal Opportunity, for a total of \$192,165)</i>
\$50,000 <i>Toward the costs of a conference, "Economic Justice in South Africa," held at the Bellagio Study and Conference Center in April 1991</i>	Latino Issues Forum, San Francisco, California \$15,000 <i>Toward the costs of establishing a computer education program and network among Latino policy-oriented organizations in California</i>	National Civic League, Denver, Colorado \$25,000 <i>Toward the costs of a symposium on political competitiveness and term limitation</i>	RAND Corporation, Santa Monica, California \$98,000 <i>Toward the cost of a pilot study entitled "Reducing Inner City Drug Markets and Violence"</i>
\$68,000 <i>Toward its program for evaluating issues entailed in the structure of an economic system for South Africa that would offer economic justice and opportunity to all citizens</i>	Lawyers Committee for Civil Rights Under Law, Washington, D C \$100,000 <i>Toward the cost of an interdisciplinary effort to address the disproportionate impact of environmental degradation on low-income and minority communities</i>	New York Community Trust, New York [1991 - \$200,000] <i>To support a collaborative funding initiative on behalf of New York City arts institutions</i>	Rockefeller Foundation Matching Gift Program \$90,000
\$50,000 <i>To assist in its support of the strengthening of the economic program including the recruitment of a full-time staff economist, at the Institute for a Democratic Alternative for South Africa</i>	Lawyers Committee for Human Rights, New York, New York \$10,000 <i>To promote the rule of law in the Middle East</i>	\$40,000 <i>To help groups in the New York metropolitan area respond to immediate needs arising out of the Immigration Act of 1990</i>	Stockholm University, Sweden \$50,000 <i>For use by the Institute of Oriental Languages for <u>Today Literary Magazine</u></i>
Fund for the City of New York, New York \$50,000 <i>Toward planning the development of a Community Court in the Times Square area of New York City</i>	Lawyers Committee for Human Rights, New York, New York \$10,000 <i>To promote the rule of law in the Middle East</i>	\$100,000 <i>For use in grantmaking in support of youth recreation and employment programs in New York City</i>	University of California, Irvine \$15,000 <i>For use by the Irvine Group for a national symposium on quality and equality in education</i>
Harvard University, Cambridge, Massachusetts \$75,000 <i>Toward the costs of developing a test of model domestic-abuse programs within the justice system</i>	The Long Bow Group, Inc., Brookline, Massachusetts [1991 - \$200,000] <i>To provide research and production support for a three-part television documentary, "The Gate of Heavenly Peace" about the 1989 demonstrations in China and their historical antecedents</i>	New York Regional Association of Grantmakers, New York \$14,250 <i>Toward general support</i>	University of Cape Town, Rondebosch, South Africa [1984 - \$500,000, in addition to remaining funds from prior year appropriations] <i>To assist the development of black South African leadership</i>
\$25,000 <i>Toward the costs (1) of publishing and disseminating the 1991 and 1992 issues of the <u>Journal of Hispanic Policy</u> and (2) associated fund-raising activities and policy forums</i>	National Academy of Public Administration, Washington, D C \$10,000 <i>Toward the endowment of the National Public Service Awards</i>	Princeton University Press, New Jersey \$40,000 <i>Toward publication costs of <u>The Collected Papers of Albert Einstein</u></i>	\$150,000 <i>To assist the University of Cape Town's School of Economics in its training program for Black Economists</i>
Hispanic Federation of New York, New York [1991 - \$150,000] <i>To continue its initiative for developing and providing comprehensive services to its member agencies</i>	National Bureau of Economic Research, Inc., Cambridge, Massachusetts \$27,140 <i>For a study of the effects of restrictive abortion laws on adolescent child-bearing in Tennessee</i>	Program to Explore Long-Term Implications of Changing Gender Roles [1988 - \$500,000, in addition to remaining funds from prior year appropriations] <i>To further understanding of the relationship between changing gender roles and new patterns of family life and work in postindustrial societies</i>	University of Georgia School of Law, Athens, Georgia \$100,000 <i>As a contribution to the Dean and Virginia Rusk Fund in honor of the Foundation's former president, Dean Rusk</i>
Independent Sector, Washington, D C \$7,400 <i>Toward general support</i>			
\$25,000 <i>For an exploration of the international networking process</i>			

University of Western Cape,
Bellville, South Africa
\$75,000
*Toward support for its Economic
Management Research and Informa-
tion Dissemination componenets
of the University's Economic Policy
Research Project.*

University of Zimbabwe,
Harare
{ 1983 - \$250,000 }
For faculty development.

\$71,400
*For continued support of its faculty
development.*

Washington Center for China
Studies, Inc.,
Washington, D.C.
\$20,000
*In support of (1) survey of the
opinions of Chinese students in the
United States and (2) continued publi-
cation of its research paper series,
China Report.*

Women and Foundations/Corporate
Philanthropy,
New York, New York
\$25,000
*Toward its general operating expenses
for 1991-92.*

Woodrow Wilson National
Fellowship Foundation,
Princeton, New Jersey
\$40,000
*Toward the costs of a feasibility study
for a National Minority Fellowship
Clearinghouse*

Rockefeller Foundation
Archives

Rockefeller University,
New York, New York
{ 1991 - \$489,225 }
To cover operating costs associated

*with the preservation and continuing
use for future generations of
Foundation records deposited at the
Rockefeller Archive Center*

\$30,000
*For use by the Rockefeller Archive
Center toward the costs of a confer-
ence entitled "Philanthropy in the
African-American Experience."*

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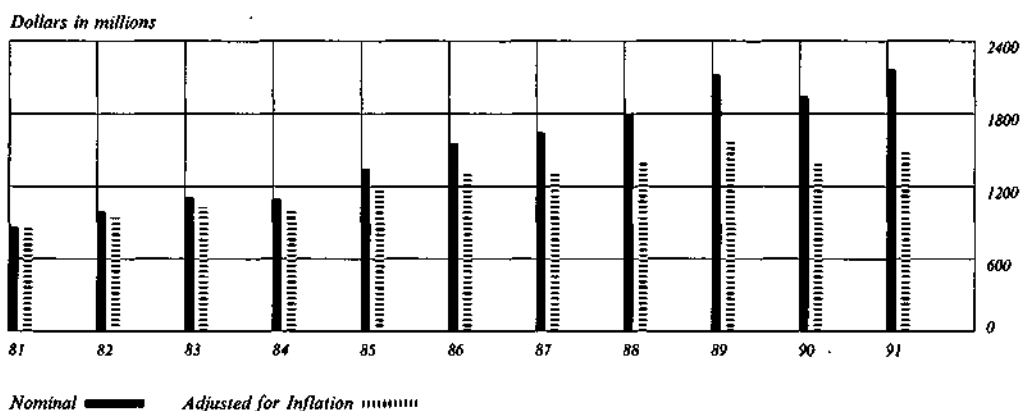
FINANCIAL
REPORT

The investment community is one of the few groups which fared well in 1991. Paced by the U.S. equity markets, capital markets generally provided excellent returns to patient investors. And patience was required as the world witnessed unprecedented changes, whose outcome is still unclear. As the 1990's unfold, one can only hope that the decade's first year investment returns are an accurate predictor of events to come.

During 1991, the Foundation's basic investment objectives and long-term policy were not altered, although strategic modifications to the asset allocation policy were adopted. Chief among the policy changes were an increase from 15% to 19% in the international equity exposure to improve overall portfolio risk and diversification characteristics, and a shift to a hedged foreign currency position for the international investments to reduce currency risk (theoretically, an uncompensated, zero return risk). An allocation of 2% was authorized to junk bonds, and a tentative increase for real estate to 14% from 10% was approved, pending further research to validate the attractiveness of the sector. Those sectors whose percentage allocations grew took their increases from U.S. equity, which decreased. The number of external managers was increased to implement the new programs and to increase strategy diversification within the various asset classes.

Finally, the Foundation was the beneficiary of a generous bequest from the late Mrs. Marjorie Boyd, who recognized the Foundation's long-standing efforts and record in human health by making a restricted bequest of \$1,605,710. Her gift has been commingled with the Foundation's principal fund and will be spent pro-rata with other Foundation funds in human sciences.

Asset Growth The market value of the Foundation's assets reached a record total of \$2,161 million at December 31, 1991, an increase of 11.1 percent from the 1990 year end total of \$1,945 million. The graph below shows growth in asset values over the last 10 years. Nominal assets grew at a 9.6 percent annualized rate over the period, and the real value grew at a 5.5 percent annualized rate.



Asset Mix Diversification among asset classes is the most important characteristic of the Foundation's investment strategy, as it is the principal means the Foundation uses to minimize investment risk. The allocation of assets between the different asset sectors explains 80 to 90 percent of the fluctuation in the Foundation's investment returns, easily dwarfing the impact of the investment managers, who taken together account for the remaining 10 to 20 percent. The Trustees believe the policy asset mix will enable the Foundation to achieve spending objectives while maintaining the real value of assets over the long term. Assets are allocated to managers under tightly drawn guidelines. Strategies subject to high non-market volatility are implemented only as packages, where correlation between strategies is such that total package volatility is held to acceptable levels.

The program is presently structured into seven asset classes in the proportions indicated in the following table. Since the Foundation has a positive long-term perspective on capital market risk and return, the equity allocation (U.S. and foreign) in the principal fund is typically maintained at approximately 60 percent. Categories in the table below reflect economic exposures to asset classes, including the market value exposure of derivative securities (equity futures, currency forward contracts, etc.). Because these categories reflect the asset mix based upon the functional intent underlying the Foundation's investment strategy, they differ from those presented in the accompanying financial statements that are described further in Note 1.

The Program Related Investments (PRI) sector, although small in value with \$7.0 million invested, directly supports the Foundation's program objectives by providing funds to projects where long-term capital is required in addition to grants. The Foundation is a relative newcomer to the PRI field, but expects to see its PRI sector increase in size.

	1991		1990	
	\$ Millions	Percent	\$ Millions	Percent
U.S. Equities	\$1,032	47.8%	\$ 990	50.9%
Foreign Equities	319	14.8	276	14.2
Bonds	339	15.6	266	13.6
Cash	250	11.6	159	8.2
Real Estate	111	5.1	165	8.5
Venture Capital	103	4.8	85	4.4
Program Related Investments	7	0.3	4	0.2
	<u>\$2,161</u>	<u>100%</u>	<u>\$1,945</u>	<u>100%</u>

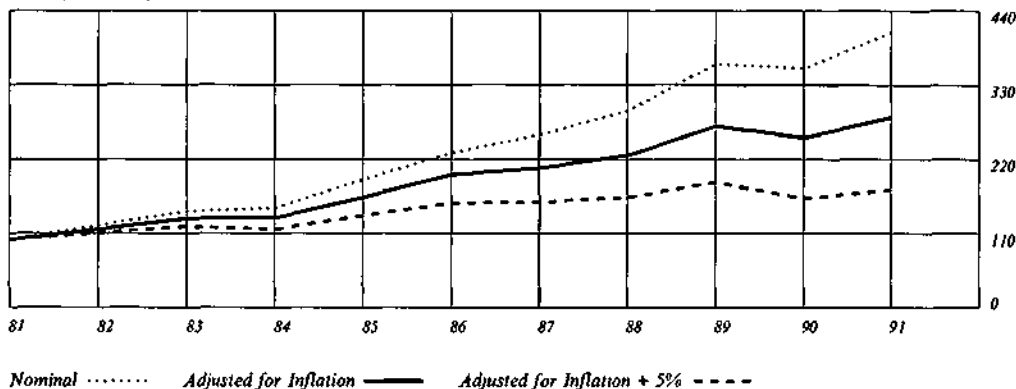
Investment Returns The Foundation's investment program is designed to maintain the real value of assets and support spending in excess of the five percent IRS distribution requirement. While returns will not precisely equal the requirement in every year, the Foundation is prepared for periodic setbacks, confident that long-term capital market participation offers the Foundation the most viable strategy for achieving its financial objectives.

The total investment return was 16.8 percent for 1991. The near 50 percent allocation to the U.S. equity market, held throughout the year, largely accounts for the good performance. The U.S. fixed income sector also turned in a good year because of declining interest rates. But, the Foundation was not immune to the continuing depression in the real estate markets and suffered \$67.4 of net investment losses, principally because aggressive development projects failed to achieve targeted milestones and suffered large decreases in value. Across the seven sectors, the

most notable success was the performance of the international equity sector, which outperformed its benchmark by a wide margin. All remaining sector results were within one percent of benchmark.

Cumulative returns for the last ten years are shown on the top line in the graph below. The average annual compound rate of return on invested capital for the ten year period was 15.1 percent. Adjusted for inflation, the compound annual investment return was 10.9 percent. Over the past ten years, the real value of the endowment has grown by a 5.5% annualized rate, which is above the Foundation's long-term investment objective of maintaining level real asset values.

Index (1981=100)

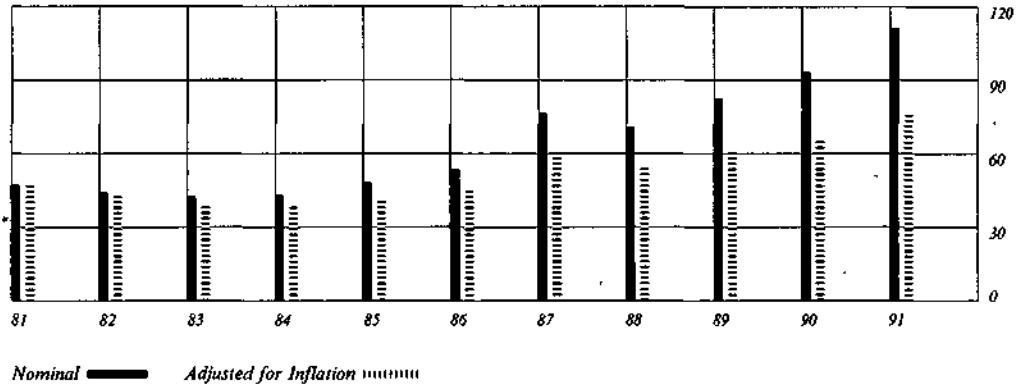


Investment Managers The Foundation has a disproportionate share of its assets allocated to index funds, where the source of value-added is from arbitrage activities, which, from time to time, may require the holding of large positions in "cheap" derivative securities (futures, swaps, options, etc.). Active accounts, with large security selection risk, have been limited in favor of the more predictable arbitrage approaches.

The Foundation employed seven U.S. equity managers at the end of 1991 – Wells Fargo Investment Advisors, Rosenberg Institutional Equity Management, MTH Asset Management, Advanced Investment Management, Geewax-Terker, Concord Capital, and Amerindo Investment Advisors. The fixed income sector is managed by Rosenberg Capital Management, Smith-Breeden Associates, and Wells Fargo. International equities are managed by Wells Fargo, State Street Bank, and Emerging Markets Management. BEA Associates and Palomar Partners each manage half of the currency hedging program. The cash equivalents sector consists of a small internally managed account, and a cash-plus program with five managers – Rosenberg Institutional Equity Management, Twin Capital Management, Independence Investment Advisors, Bankers Trust Company, and Windham Capital Management. The Foundation's real estate investments are managed by Amli Realty, CIGNA, Copley Institutional, LaSalle Advisors, J.W. O'Connor & Company, L.G. Schafran & Partners, and TA Associates. The venture capital portfolio includes 16 traditional venture capital partnerships, five LBO funds, and one junk bond account. Northern Trust is the Foundation's principal custodian for non-commingled separate accounts.

Spending Spending (grants plus general administrative expenses) totaled \$111.3 million in 1991, a 19.5% increase over 1990's \$93.1 million. As the graph below shows, real and nominal spending have increased sharply since 1985. The growth in spending is directly related to the substantial increase in asset values registered over the period (as detailed in the following graph).

Dollars in millions



REPORT OF
INDEPENDENT AUDITORS



The Board Of
Trustees
The Rockefeller
Foundation

We have audited the accompanying statement of assets, obligations and principal fund of The Rockefeller Foundation as of December 31, 1991 and 1990, and the related statements of operations and changes in principal fund and of changes in financial position for the years then ended. These financial statements are the responsibility of The Rockefeller Foundation's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The Rockefeller Foundation at December 31, 1991 and 1990, and the results of its operations, changes in its principal fund and changes in its financial position for the years then ended in conformity with generally accepted accounting principles.

Ernst & Young
New York, New York
February 27, 1992

STATEMENT OF
ASSETS, OBLIGATIONS AND
PRINCIPAL FUND

<i>December 31</i>			
<i>Dollars in thousands</i>		1991	1990
Assets	Investments (Notes 1 and 2)	\$2,151,853	\$1,929,941
	Cash	5,806	28,112
	Accounts receivable (primarily security sales net of purchases in 1991)	12,438	351
	Dividends and interest receivable	10,391	1,929
	Refundable federal excise tax (Note 3)	14	244
	Property, at depreciated cost (Note 4)	1,451	1,904
	Other assets (Note,5)	8,877	7,036
	Total assets	<u>\$2,190,830</u>	<u>\$1,969,517</u>
Obligations And Principal Fund	Accounts payable and accrued liabilities (primarily security purchases net of sales in 1990)	\$ 12,183	\$ 15,316
	Deferred federal excise tax (Note 3)	3,360	894
	Appropriations by the Trustees, approved for specific grantees/purposes but not yet paid (Note 6)	63,535	61,841
	Total obligations	<u>79,078</u>	<u>78,051</u>
	Commitments (Notes 1, 2, 5 and 7)		
	Principal fund:		
	Appropriations by the Trustees (Note 6):		
	For allocation to future grantees	55,007	45,359
	Budget for operations and new grants for the following year	118,700	120,150
		<u>173,707</u>	<u>165,509</u>
	Unappropriated	1,938,045	1,725,957
	Total principal fund	<u>2,111,752</u>	<u>1,891,466</u>
	Total obligations and principal fund	<u>\$2,190,830</u>	<u>\$1,969,517</u>

See accompanying notes.

STATEMENT OF
OPERATIONS AND CHANGES
IN PRINCIPAL FUND

<i>Years ended December 31</i>	1991	1990
<i>Dollars in thousands</i>		
Dividends	\$ 28,656	\$ 22,865
Interest	58,685	73,887
Bequest and other	2,241	331
Net realized gain (loss) on sales of marketable securities	130,150	(58,543)
Total realized investment income	219,732	38,540
Less investment expenses	9,228	5,203
Net realized investment income	210,504	33,337
Less:		
Approved grants and program costs	102,210	89,946
General administrative expenses	6,587	6,563
Provision for federal excise tax (Note 3)	2,220	930
	99,487	(64,102)
Increase (decrease) in unrealized appreciation of marketable securities, net of provision (credit) for deferred federal excise tax-1991: \$2,466; 1990: (\$2,270) (Notes 1 and 3)	120,799	(111,397)
Principal fund at beginning of year	1,891,466	2,066,965
Principal fund at end of year	<u>\$2,111,752</u>	<u>\$1,891,466</u>

See accompanying notes.

STATEMENT OF
CHANGES IN FINANCIAL
POSITION

<i>Years ended December 31</i>		1991	1990
<i>Dollars in thousands</i>			
Sources	Net realized investment income	\$210,504	\$33,337
Of Cash	Federal excise tax refund	151	60
	Net change in accounts receivable, dividends and interest receivable, and accounts payable and accrued liabilities	-	13,779
	Total sources of cash	<u>210,655</u>	<u>47,176</u>
Applications	Net change in accounts receivable, dividends and interest receivable, and accounts payable and accrued liabilities	23,682	-
Of Cash	Expenditures for grants and operations:		
	Agricultural Sciences	17,101	13,648
	Arts and Humanities	13,814	14,239
	Equal Opportunity	18,629	13,876
	Health Sciences	12,756	14,317
	Population Sciences	10,825	10,891
	Global Environment	5,248	2,695
	African Initiatives	3,300	4,672
	School Reform	6,735	2,711
	International Security	1,167	883
	International Philanthropy	2,303	-
	Special Interests and Explorations	4,864	3,144
	International Relations	3	80
	Bellagio Center and Archives	3,111	2,805
	Warren Weaver Fellowships	706	762
		<u>124,244</u>	<u>84,723</u>
	General administrative expenditures	8,011	8,329
	Special maintenance-Bellagio Center	-	48
		<u>132,255</u>	<u>93,100</u>
	Estimated federal excise taxes paid (Note 3)	2,097	1,148
	Net securities transactions exclusive of realized gains (losses)	98,609	(73,690)
	Total applications of cash	<u>232,961</u>	<u>20,558</u>
	(Decrease) increase in cash	(22,306)	26,618
	Cash balance at beginning of year	28,112	1,494
	Cash balance at end of year	<u>\$ 5,806</u>	<u>\$ 28,112</u>

See accompanying notes.

NOTES TO
FINANCIAL STATEMENTS

December 31, 1991
Dollars in Thousands

Note 1 **Investments** Marketable securities are reported on the basis of quoted market value, and investment income and expenses are reported on the accrual basis. Realized gains and losses are calculated based on the specific identification method for both financial statement and tax return purposes. Limited partnership interests in real estate are reported at appraised or estimated fair value. Venture capital limited partnership interests are reported at fair value.

<i>December 31</i> <i>Dollars in thousands</i>	1991		1990	
	Cost	Market Value	Cost	Market Value
Marketable securities:				
Repurchase agreements	\$ -	\$ -	\$ 11,560	\$ 11,560
U.S. Government obligations	312,436	329,532	280,366	285,390
Money market funds	279,674	279,674	492,718	492,718
Foreign currency-short-term	398	175	1,521	1,517
Certificates of deposit	44,422	53,866	44,453	53,670
Common stock	928,871	1,094,663	682,358	679,858
Corporate obligations	136,362	141,833	103,646	105,552
Other investments	6,944	3,911	1,297	450
Preferred stock	6,650	6,308	325	380
Subtotal	1,715,757	1,909,962	1,618,244	1,631,095
Limited partnerships and similar interests:				
Real estate	155,156	111,166	137,226	165,163
Venture capital	68,651	76,597	65,446	63,909
Other	50,000	54,128	70,000	69,774
Subtotal	273,807	241,891	272,672	298,846
Total	\$1,989,564	\$2,151,853	\$1,890,916	\$1,929,941

As of December 31, 1991, under the terms of various venture capital and real estate limited partnership agreements, the Foundation has commitments to contribute approximately \$98,000 (\$74,000 in 1990) in additional capital over the next ten years.

Note 2 As a result of its investing strategies, the Foundation is a party to a variety of off-balance-sheet financial instruments. These financial instruments include equity, fixed income and foreign currency futures and options contracts, foreign currency forwards, and interest rate cap and floor contracts. Much of the Foundation's off-balance-sheet exposure represents strategies that are designed to reduce the interest rate and market risk inherent in portions of the Foundation's investment program by hedging physical securities positions with derivative securities (futures and options contracts). Changes in the market values of these financial instruments are recognized currently in the statement of operations using the mark-to-market method.

Financial
Instruments
With Off-
Balance-Sheet
Credit or
Market Risk

Off-balance-sheet financial instruments involve, to varying degrees, elements of market risk and credit risk in excess of the amounts recorded on the statement of assets, obligations and principal fund. Market risk represents the potential loss the Foundation faces due to the decrease in the value of off-balance-sheet financial instruments. Credit risk represents the maximum potential loss the Foundation faces due to possible non-performance by obligors and counterparties of the terms of their contracts.

Contract amounts represent the full extent of the Foundation's involvement in particular classes of financial instruments. A summary of the gross contract amounts of off-balance-sheet financial instruments with market risk at December 31, 1991 and 1990 follows:

<i>Dollars in thousands</i>	1991	1990
Equity futures	\$ 168,953	\$540,865
Fixed income futures	2,513,513	-
Foreign exchange futures and forwards	150,669	-
Equity index options	219,000	-
Interest rate cap and floor contracts	330,000	-

Contract amounts are used to express the volume of transactions, but the amounts potentially subject to credit risk are much smaller.

The Foundation intends to close out most open contract positions prior to their respective settlement dates and, thus, the cash receipt or payment associated with each contract is subject only to the change in value of the underlying instrument. The margin cash requirements on deposit for futures contracts were approximately \$25,646 at December 31, 1991.

Securities sold, not yet purchased (\$575,000 at December 31, 1991, recorded net in the Foundation's investment accounts), have market risk to the extent that the Foundation, in satisfying its obligations, may have to purchase securities at a higher value than that recorded.

Management does not anticipate that losses, if any, resulting from credit or market risk would materially affect the financial position and statement of operations and changes in principal fund of the Foundation.

Note 3 The Foundation qualifies as a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code and, accordingly, is not subject to federal income tax. However, the Foundation is classified as a private foundation and is subject, under certain circumstances, to a federal excise tax of 2% on investment income less investment expenses, and on net realized taxable gains on security transactions. In accordance with Section 4940(e) of the Internal Revenue Code, during the years ended December 31, 1991 and 1990, the Foundation met the specified distribution requirements and was subject to a federal excise tax of 1% in place of the 2% tax.

Federal Excise
Tax

Deferred federal excise tax arises from timing differences between financial and tax reporting relating to investment income and the difference between the cost basis and market value of marketable securities.

Note 4 Expenditures for capital items are included in the property account and depreciated on a straight-line basis over the lives of the respective assets or amortized over the term of the lease. **Property** The net change in the property account in 1991 was caused by additions of \$172 and a decrease of \$625 attributable to depreciation and amortization. Depreciation and amortization totalled \$640 in 1990.

Note 5 The Foundation maintains a defined benefit pension plan (the "Plan") for regular salaried employees who are at least 21 years old and have completed one year of service or have attained the age of 40. The Plan provides retirement benefits based on years of service and final-average pay, with benefits after retirement subject to increase under a cost-of-living augmentation formula. Plan assets are invested in a diversified portfolio of common stocks and fixed-income securities. **Pension Plan, Trusteed Savings Plan And Postretirement Benefits**

Selected information on the Plan's funded status and the amounts recognized in the Foundation's statement of financial position at December 31 follows:

<i>Dollars in thousands</i>	1991	1990
Plan assets at fair value	\$58,818	\$51,044
Less projected benefit obligation	(36,799)	(34,301)
Funded status-surplus	<u>\$22,019</u>	<u>\$16,743</u>
Prepaid pension cost included in other assets	<u>\$ 8,877</u>	<u>\$ 7,036</u>

Program and administrative costs incurred in 1991 and 1990 were reduced by a net pension credit of \$1,841 and \$2,102, respectively.

The projected benefit obligation for the Plan was determined using the assumed discount rate of 8% (8.5% in 1990) and an annual salary increase rate of 6%. The assumed long-term rate of return on plan assets was 9%.

The Foundation also maintains a Trusteed Savings Plan for regular salaried employees under which Foundation contributions are made to equal employee contributions of up to 5% of pay. The combined contributions are credited to the employees' accounts. These accounts are invested and at termination of employment, the employee receives the account balance. The Foundation's contributions to this plan were \$269 for 1991 and \$251 for 1990.

The Foundation provides certain health care and life insurance benefits for retired employees. Employees are eligible for these benefits when they meet the criteria for retirement under the Foundation's pension plan. The cost of such benefits was approximately \$983 and \$890 in 1991 and 1990, respectively. Of the 1991 amount, approximately \$870 was funded through a transfer of excess funds accumulated in the Plan. Postretirement benefits generally are recognized as expense as the related insurance premiums are incurred. In December 1990, Statement of Financial Accounting Standards No. 106 - "Employers' Accounting for Postretirement Benefits Other Than Pensions" ("SFAS 106") was issued. The provisions of SFAS 106, which

require that the expected cost of providing postretirement benefits be accrued during the years that the employee renders the necessary service, become effective during the year ending December 31, 1995. The Foundation has not yet determined the effects that the implementation of SFAS 106 will have on its financial position or results of operations.

Note 6 Appropriations by the Trustees are considered to be obligations when grants are approved for specific grantees; appropriations not released for specific grantees and the appropriation for the budget for the next year are considered as appropriated principal fund. Administrative costs are charged to operations when incurred.

Appropriations and expenditures for the year are summarized as follows:

<i>Dollars in thousands</i>	<i>Appropriated for specific grantees/ purposes</i>	<i>Appropriated for allocation and next year's budget</i>	<i>Total appropriated</i>
Balance, January 1, 1991	\$ 61,841	\$165,509	\$227,350
Approved grants, and program and administrative costs	109,077	(109,077)	-
Lapses and refunds	(311)	(1,425)	(1,736)
Expenditures for grants and operations	(108,572)	-	(108,572)
1992 budget	1,500	118,700	120,200
Balance, December 31, 1991	<u>\$ 63,535</u>	<u>\$173,707</u>	<u>\$237,242</u>

Note 7 At December 31, 1991, base rental commitments under noncancellable leases for headquarters office space aggregated approximately \$1,654 and are payable at approximately \$720 annually until 1994. Under the leases, the Foundation is required to pay additional amounts for maintenance, electricity and taxes. The Foundation has subleased portions of its space under two separate sublease agreements. Net rental income under the first sublease will be approximately \$275 and under the second approximately \$115 during the remaining period of the leases. Rental expense included in the statement of operations was approximately \$1,289 in 1991 and \$1,188 in 1990.

FOUNDATION
ORGANIZATION

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Trustees**

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<p>Alan Akda Actor, writer, director New York, New York</p>	<p>Ronald E. Goldsberry General Sales and Marketing Manager Ford Parts and Service Division Ford Motor Company Dearborn, Michigan</p>	<p>Harry Woolf Professor Institute for Advanced Study Princeton, New Jersey</p>	<p>OFFICE OF THE VICE PRESIDENT</p>
<p>John Brademas President New York University New York, New York (until March 24, 1992)</p>	<p>William David Hopper Senior Vice President Haldor Topsoe, Inc. Washington, D.C.</p>	<p>Officers And Staff</p>	<p>Hugh B. Price Vice President</p>
<p>Harold Brown Chairman Foreign Policy Institute Johns Hopkins School of Advanced International Studies Washington, D.C.</p>	<p>Karen N. Horn Chairman and Chief Executive Officer Bank One, Cleveland, N.A. Cleveland, Ohio</p>	<p>OFFICE OF THE PRESIDENT</p>	<p>Marla Ucelli Senior Program Advisor</p>
<p>Henry Cisneros Chairman and Chief Executive Officer The Cisneros Asset Management Company San Antonio, Texas</p>	<p>Alice Stone Ichman President Sarah Lawrence College Bronxville, New York</p>	<p>Peter C. Goldmark, Jr. President</p>	<p>Constance Wolf Research Associate (until June 30, 1991)</p>
<p>Johnnetta B. Cole President Spelman College</p>	<p>Richard H. Jenrette Chairman and Chief Executive Officer Equitable Life Assurance Society New York, New York</p>	<p>Terri Potente Assistant to the President</p>	<p>OFFICE OF THE VICE PRESIDENT FOR COMMUNICATIONS</p>
<p>Peggy Dulany President The Synergos Institute New York, New York</p>	<p>Tom W. Johnson, Jr. President Cable News Network Atlanta, Georgia</p>	<p>Dara Major Executive Assistant</p>	<p>Frank Karel Vice President for Communications</p>
<p>Frances FitzGerald Author New York, New York</p>	<p>Arthur Levitt, Jr. Chairman Levitt Media Company New York, New York</p>	<p>OFFICE OF THE SENIOR VICE PRESIDENT</p>	<p>Danielle Parris Senior Communications Associate</p>
<p>Daniel P. Garcia Senior Vice President Real Estate Planning and Public Affairs Warner Brothers Burbank, California</p>	<p>Robert C. Maynard Editor and Publisher Oakland Tribune Oakland, California</p>	<p>Kenneth Prewitt Senior Vice President</p>	<p>Susan A. Spadone Communications Associate</p>
		<p>Joyce L. Moock Associate Vice President</p>	<p>OFFICE OF THE DIRECTOR FOR ADMINISTRATION</p>
		<p>Jane Hughes Senior Projects Officer (until September 17, 1991)</p>	<p>Sally A. Ferris Director for Administration</p>
		<p>David Court Foundation Representative Nairobi, Kenya</p>	<p>OFFICE OF THE SECRETARY</p>
		<p>Catherine Gwin Special Program Advisor</p>	<p>Lynda Mullen Secretary</p>
		<p>Marian E. Bass Research Associate for Evaluation</p>	<p>OFFICE OF THE TREASURER</p>
			<p>David A. White Treasurer (as of January 14, 1991)</p>
			<p>Webb Trammell Assistant Treasurer</p>

Kevin J. Tunick
Chief Accountant/Analyst
(until April 5, 1991)

Scott G. Schoedler
Manager, Fixed Income and Equity Investment Programs
(as of May 8, 1991)

OFFICE OF THE COMPTROLLER

Charles J. Lang
Comptroller

Susan J. Nichols
Assistant Comptroller

BELLAGIO STUDY AND CONFERENCE CENTER

Francis X. Sutton
Director, Italy (Acting)
(until December 31, 1991)

Pasquale Pesce
Director, Italy
(as of January 1, 1992)

Susan E. Garfield
Manager, New York

CENTRAL ANALYSIS UNIT

Clifford Chanin
Director
(until November 30, 1991)

COMPUTER SERVICES

Carol Bass
Manager

FELLOWSHIP OFFICE

Joseph R. Bookmyer
Manager

OFFICE SERVICES

Cora L. Springer
Manager

PERSONNEL OFFICE

Lynne C. Burkhart
Manager

RECORDS AND LIBRARY SERVICES

Meredith S. Averill
Manager

Laura Covino
Librarian

AGRICULTURAL SCIENCES

Robert W. Herdt
Director

Gary H. Toenniessen
Associate Director

Gwendolyn T. Blackstone
Program Associate

Norman E. Borlaug
Life Fellow

FIELD STAFF

Malcolm J. Blackie
Lilongwe, Malawi

John K. Lynam
Nairobi, Kenya

John C. O'Toole
Bangkok, Thailand

Ruben Puentes
Tecamachalco, Mexico

ARTS AND HUMANITIES

Alberta Arthurs
Director

Suzanne M. Sato
Associate Director

Tomas Ybarra-Frausto
Associate Director

Clifford Chanin
Senior Program Advisor
(as of December 1, 1991)

Lynn A. Szwaja
Research Associate

Carol Endo Bowen
Program Associate

EQUAL OPPORTUNITY

James O. Gibson
Director

Phoebe H. Cottingham
Associate Director

Erol R. Ricketts
Associate Director
(until May 17, 1991)

Aida Rodriguez
Associate Director
(as of October 1, 1991)

Anthony Romero
Senior Program Advisor
(as of September 15, 1991)

Mary E. Rubin
Senior Program Advisor
(as of September 3, 1991)

Theodore Lester
Program Associate

GLOBAL ENVIRONMENT

Albert Binger
Director

Ji-Qiang Zhang
Senior Program Advisor

Daniel W. Krushock
Project Manager, Leadership Development

HEALTH SCIENCES

Robert S. Lawrence
Director
(as of September 1, 1991)

Scott B. Halstead
Associate Director
(Acting Director until August 31, 1991)

Seth F. Berkley
Assistant Director

Barbara Turner
Senior Program Advisor
(until December 6, 1991)

Orneata L. Prawl
Program Associate

POPULATION SCIENCES

Sheldon J. Segal
Director
(until June 30, 1991)

Steven W. Sinding
Director
(as of July 1, 1991)

Jane Hughes
Senior Projects Officer
(as of September 18, 1991)

Katharine D. LaGuardia
Research Scientist

Evelyn K. Majidi
Senior Program Associate

Warren Weaver
Fellows

The Warren Weaver Fellows Program gives exceptionally talented individuals first-hand experience in the field of philanthropy and also gives the Foundation the benefit of fresh perspectives on its work. Fellows are appointed annually for one-year residencies at the Foundation. They are expected to complete priority projects within the Foundation's program areas, and are encouraged to participate in staff meetings and other official Foundation events.

Patricia Bocro
"International Perspectives on Film and Video"

Bruce Gellin
"Experimental Models for Fostering LDC Public Health and the Children's Vaccine Initiative in the Developing World"

Jacqueline Novogratz
"Entrepreneurialism and Equal Opportunity in the United States"

Rohini Pande
"International Lessons for Accelerating Female Education in Africa"

Ali Sheikh
"International Security"

Claire Spencer
"Financing for the Global Environment"

Roy Steiner
"The Sustainability of Agricultural Systems"

Philomène Verlaan
"Oceanography and the Global Environment"

INFORMATION
FOR APPLICANTS

The work of the Rockefeller Foundation is in three principal areas: international science-based development, the arts and humanities, and equal opportunity. Within science-based development, the focus is the developing world and emphases are on the global environment; on the agricultural, health and population sciences; and on a very limited number of special African initiatives. The Foundation also has smaller grant programs in international security and U.S. school reform.

To accomplish lasting results with limited resources, the Foundation concentrates its grants and fellowships on purposes approved by the Board of Trustees and expressed in program guidelines. These guidelines have been summarized to introduce each program section in the grants and fellowships listings of this annual report. Copies of the guidelines in full are available from the Foundation.

The Foundation employs a staff of experienced professionals, augmented by consultants and advisory panels, to plan, develop, and conduct its programs. Members of the staff, in order to meet their responsibilities, seek advice from experts in the field and are expected to travel widely and study extensively, keeping abreast of relevant scholarly and other literature, visiting Foundation-supported projects, and observing programs and projects of potential interest.

Many grants therefore stem from proposals stimulated through interactions with individuals and institutions that have the qualifications needed to accomplish the objectives of the Foundation's programs. Other grants and fellowships are made through publicized competitions designed to advance program goals. The Foundation also receives more than 10,000 unsolicited proposals each year, and while many are declined because they are for purposes outside program guidelines, staff members review the remainder, which are funded on a competitive basis, within budgetary limits.

Grants The factors considered in evaluating grant proposals include: the proposed project's potential for accomplishing its objectives and contributing significantly to the "well-being of mankind"; the relevance of the project to the Foundation's programs; the applicant's qualifications and record of achievement; and the extent of the applicant's efforts to secure additional funding from other sources.

Fellowships A number of fellowships are announced and awarded annually through specific Foundation programs. These fellowships provide support to individuals for training and for research and other specified projects.

Limitations As a matter of policy, the Foundation does not give or lend money for personal aid to individuals; contribute to the establishment of local hospitals, churches, schools, libraries, or welfare agencies, or to their building and operating funds; finance altruistic movements involving private profit; or support attempts to influence legislation.

In addition, the Foundation does not normally provide general institutional support or endowment. Occasional exceptions are made for organizations or institutions in which the Foundation has played an important creative role, and organizations that serve and support organized philanthropy in the United States. Although general or core support is seldom given, we try to ensure that the full direct costs of a project are taken into account in the calculation of grant budgets.

External Affirmative Action Policy The Rockefeller Foundation believes that important issues of underrepresentation of minorities and women remain unresolved in our society, and the Foundation seeks to play a helpful and constructive part in their resolution. To that end, the Foundation systematically invests in the professional development of minorities and women and their promotion into leadership roles. The Foundation expects grantee organizations in the United States to do the same.

Consequently, affirmative action questions will be raised with U.S. applicants and grantees when there appear to be opportunities for constructive collaboration with the Foundation in the interests of improving opportunities for underrepresented groups. In such instances, as a first step, the Foundation may ask these institutions for information about their efforts, supported when appropriate, with data on the gender and minority composition of the leadership of the institution.

Requests And Applications In general, no special form is required to apply for a grant fellowship, but the proposal or application should include:

- a description of the proposed project of fellowship activity, with clearly stated plans and objectives;
- a comprehensive plan for the total funding of the project during and, where applicable, after the proposed grant period; and
- a listing of the applicant's qualifications and accomplishments and, if applicable, a description of the institutional setting.

Proposals and applications should be sent to the secretary of the Foundation or to the director of the relevant division or program. Requests for the application form required to apply for a conference or residency at the Bellagio Study and Conference Center should be sent to the attention of the Bellagio Conference Office. For other information about the Foundation, send your inquiries to the Communications Office. The general mailing address is:

The Rockefeller Foundation
1133 Avenue of the Americas
New York, N.Y. 10036-6755
USA

I N D E X



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Inc /Partnership For A Drug-
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Louise Gubb/IB Pictures

Design
Pentagram

Printing
Applied Graphics Technologies

Printed in the United States of America



Pages 51 to 118 printed on recycled paper



The Rockefeller Foundation
1133 Avenue of the Americas
New York, N Y 10036-6755
USA

