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The Foundation was established in 1936 by Henry Ford and Edsel Ford and until 1950 made grants largely to Michigan charitable and educational institutions. In 1950 the Foundation became a nationwide philanthropy, and virtually all of its grants have been made since then.

Including the fiscal year 1964, the Foundation has made commitments totaling \$2.2 billion, including grants to 5,261 institutions and organizations. The recipients have been located in all fifty states, the District of Columbia, and seventy-six foreign countries. About 90 per cent of the funds granted by the Foundation have gone to institutions in the United States—principally colleges, universities, schools, and community organizations.

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*Prometheus, by Wolfgang Behl
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THE FORD FOUNDATION

“...to advance human welfare”

Annual Report October 1, 1963 to September 30, 1964

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*Retired November, 1964
**On leave in 1964
***On leave in 1965

The Quality of Life

Since 1954, when the Ford Foundation made its first important grant in the field of population, the family of man has increased by 600 million people, the equivalent of the combined populations of the United States, all of South America, and the Soviet Union. Particularly in the poorer two-thirds of the world, where the greatest increases have occurred, the rising tide of population threatens to frustrate hopes for a better life.

But significantly, widespread concern—if not alarm—also developed during the decade.

Now, a century after scientists began creating vaccines, public-health techniques, and other great tools for reducing the death rate, the first deliberate, large-scale efforts to deal with the somber arithmetic of population growth are beginning.

The geometric climb of the world population curve was evident long before World War II. It had taken 1,650 years for the population to double since the time of Christ, but only 200 years to double again. With the advent of modern medicine the pace quickened even more sharply: the world's third billion people was added in thirty-seven years, and a fourth billion will appear in about fifteen more.

Although some individual scientists and private groups had long pointed to the demographic handwriting on the wall, widespread concern was not crystallized until the unprecedented spread of expectations for a better quality of life. Nations everywhere began to grasp what was taken for granted in the industrialized countries: that the mass of people might not merely survive but might live in some comfort and decency, with real hopes of betterment for themselves and their children.

Rising Expectations and Population

The hard facts of economic development and the compound interest of human fertility combine to frustrate these aspirations. Food production and industrialization in some of the newly developing countries have increased significantly, but gains in *per capita* income have been minimal. More people are surviving, but often under such wretched conditions that existence has little meaning.

An increase in the food supply alone is not the answer, for the issue is not simply to prevent starvation. It is, rather, to assure those who are born their full heritage as human beings. Dramatic incidents like the food crisis in India this year arouse sympathy and humane concern. But even if human starvation is averted, unchecked population growth starves the economy. For, like a growing organism, a country trying to lift itself by its bootstraps must have a double portion—one to exist on and one to grow on. To achieve higher levels of living a nation must develop its capital resources. It must

invest in productive machinery, agricultural technology, and technical and professional education. But increased expenditures of income to provide mere subsistence for greater numbers of people leaves little to invest in the tools of economic progress.

Economic progress is particularly eroded by the high proportion of children in rapidly populating countries. Their population escalation results largely from decreases in infant mortality due to public-health measures imported from the West. Thus, children under fifteen—who are dependent consumers for many years before they are producers—represent between 35 and 50 per cent of the population in the poorer countries, but only one-fourth of the population in industrialized countries. Poorer countries must, therefore, spend proportionately more of their income feeding, clothing, and housing children than countries with more gradual increases in population. The fact that youngsters eventually enter the labor force is no comfort in countries which cannot afford to train enough of them for productive employment; the result, instead, is more unemployment and underemployment.

Motivation and Means

Concern for family planning is, of course, not limited to less-developed countries. In wealthier countries, families commonly limit the number of offspring to maximize the benefits that each child can receive . . . or simply to keep up with the Joneses' standard of living. Even in the United States, where birth-control advice and methods have long been available on a private basis, we are gradually moving toward a measure of public responsibility for making the choice more widely known and available. In many areas of the country, tax-supported hospitals, clinics, and welfare agencies may now provide contraceptive advice and services, and Congress has approved a modest appropriation for birth-control services in the District of Columbia. Moreover, population is also a factor in concern about problems of air pollution, educational facilities, urban deterioration, and the quality of modern life in general.

Fertility control is as old as the human race. Since there is no decision so personal and private as procreation, fertility limitation—by whatever means—depends on families *wanting* to limit their size as well as knowing how to. Unfortunately, the modern world cannot wait for the conditions that naturally and in due course induced Europeans in the late nineteenth century to limit their population growth. The task, therefore, calls for the rapid introduction of a basic social change among millions of people.

Massive social change is difficult in any society, and it is especially difficult among people who are undernourished educationally as well as physically. Many of these people know little of the facts of human reproduction or how to control it, and those who would try to help them have much to learn about effectively communicating the necessity and means of fertility limitation.

The Knowledge Gap

Despite the exponential growth of medical discovery, relatively little is known about the underlying chemistry and physiology of human reproductive processes. Until now the field has not enjoyed high status in medical and biological research, and as a result, there is a shortage of skilled scientific personnel.

Skilled personnel must also be mobilized to improve the baseline statistics needed in planning and measuring the effectiveness of population control programs. In many countries a 10 per cent drop in the rate of population growth would go unnoticed because millions of births and deaths are not recorded.

And in the developing countries there is a particularly critical need for ably staffed agencies (like the extension system that advanced American agriculture, or the public-health campaigns that eradicated many diseases) that can effectively tell masses of people that birth-control methods exist and encourage their use.

Population Policies

Given all these needs, only massive sustained action can apply the brakes to onrushing population growth. But nationwide family-planning efforts are still in their infancy. Successful pilot projects in India, Ceylon, and Taiwan have involved only a few thousand people.

As in other facets of development—agricultural research and extension, for example—the developing countries are turning to the United States and other aid-giving nations for technical assistance and funds in establishing the research, training, and educational programs necessary for large-scale family planning. Since economists have maintained that a dollar invested in fertility control is many times more effective in increasing *per capita* income than a dollar invested in plant and equipment, fertility control must emerge as an integral component in the development process.

In a policy breakthrough in 1962, the United States Government offered to provide family-planning information to countries requesting it. Federal support of birth-control research is still limited, however.

Although the United Nations in 1947 established a Population Division that has performed an invaluable service in gathering data and in training demographers, efforts to engage the organization in assisting birth-control programs have been inconclusive.

Some developing countries are moving more rapidly. India, Pakistan, Korea, and Tunisia are engaged in nationwide family-planning programs. Experiments and studies are under way in Taiwan, Malaysia, Thailand, and elsewhere.

Since 1922, when the newspaper publisher E. W. Scripps established a foundation for research in population problems, private groups have led in stimulating population research and understanding. The Milbank Memorial

Fund and a number of Rockefeller philanthropies (particularly the Population Council) were assisting a nucleus of population research long before the problem was impressed on the world consciousness.

Since time is of the essence and government response is still inadequate to the population challenge, private efforts will continue to play a major role.

Ford Foundation Efforts

The Foundation's Population program is a microcosm of the national and international effort required to break the cycle of runaway population. Our objectives are to assist research in reproductive biology that might lead to improved birth-control methods suitable for worldwide use; to help develop the manpower and institutions necessary to educate families toward fertility regulation and provide them with the means; and to help improve the analysis and collection of vital statistics and other population data.

The Foundation has committed a total of \$34.5 million to population research laboratories and training centers in the United States, Britain, Europe, Israel, Australia, Asia, and Latin America and to government agencies for family-planning programs in India, Pakistan, and Tunisia.

The funds are used in part to provide leading scientists already working on matters relevant to population with additional staff, equipment, and facilities. Some scientists are seeking a method of inoculation against pregnancy; since even isolated villagers have become accustomed to receiving injections against disease, they might accept injections far more readily than many other contraceptive methods. One of the most promising mass contraceptives is a plastic device inserted in the uterus. It costs little, can often be worn for years at a time, and can be fitted in about five minutes.

Efforts to attract more specialists to the field are being assisted. For example, the Foundation has given grants to encourage talented medical students and postdoctoral science majors to elect careers in reproduction work.

To develop the variety of skilled manpower needed to carry out major population efforts in the future, the Foundation has financed training efforts ranging from degree programs for demographers, public-health specialists, and scientists to courses in family-planning information and practice for midwives and subprofessional medical personnel.

The Foundation has also sought to strengthen institutions that produce new knowledge and provide the training grounds for future personnel. In reproductive biology, these include the Population Council's Bio-Medical Division, the University of Wisconsin's zoology department, and the Worcester Foundation for Experimental Biology as well as such leading foreign centers as the University of Birmingham, the Zoological Society of London, the Karolinska Institute, and the Weizmann Institute. In demography and family-planning administration, the Foundation has assisted some American departments of social sciences and this year began efforts to expand training relevant to population in university schools of public health.

The Indian Program

The largest Foundation-assisted program in population abroad is India's. At its present rate of growth the Indian population of 460 million (second largest in the world) will double in less than thirty-five years.

The late Prime Minister Nehru acknowledged that India's ten-year-old family-planning program had not been very successful. The government is attempting to strengthen it by improving and expanding community-level educational techniques, increasing the supply of contraceptive materials, and strengthening training and research in communications, demography, and reproductive biology. India's Third Five Year Plan (1961-1966) provides five times more (\$56 million) for family planning than the Second Plan.

The Foundation has made grants to twelve research laboratories and to several training centers. Funds, research equipment, and consultants have been provided in fields ranging from statistical analysis to contraceptive manufacture and motivational factors in India's many population groups. Essential government agencies for research coordination, evaluation, and personnel development have been established with Foundation help. Finally, the Foundation is helping the government to conduct intensive pilot efforts to apply the results of the latest research and to test and evaluate new techniques.

It has been less than 200 years since man tamed nature sufficiently to break the stalemate that had imposed on him an average life span of between twenty-five and thirty-five years. It is now necessary to apply the same degree of deliberate human effort to assuring that this victory does not rob mankind of the good life.

Summary of the Year

The Foundation's activities in the population field are conducted through two of its ongoing programs, Population and Overseas Development. Activities in these and the Foundation's eight other programs for the fiscal year ended September 30, 1964 are described in the pages that follow. A financial accounting of all grants, appropriations, and projects is given in the gray pages at the end of the report, which also contain investment and accounting data.

In fiscal 1964, the Foundation's new program commitments and administrative expenses totaled \$256.1 million. New program commitments—mainly grants and appropriations for future grants—totaled \$249.4 million. Administrative expenses were \$6.7 million. The total of grants approved and expenditures on projects administered by the Foundation was \$234.9 million, and income was \$147 million. Thus, the Foundation committed more for its programs to advance human well-being than it received in income. The balance came from capital, bringing the total invasion of capital for grants, project expenditures, and expenses since the establishment of the

Foundation to \$693.4 million and, together with funds set aside for future grants and projects, to a total of \$819.2 million.

The Foundation this year mourned the deaths of two officers and a former officer. James M. Nicely had served the Foundation devotedly and skillfully as treasurer and a vice president since 1961. Thomas H. Carroll, who was a member of the Study Committee that laid the basis for the Foundation's reconstitution as a national institution in 1950, was president of George Washington University at the time of his death. During eight years as a vice president of the Foundation with primary responsibility for the program in Economic Development and Administration, he helped pioneer basic changes in higher education for business. William W. McPeak, who had served as staff director of the Study Committee, was the Foundation's vice president for policy and planning at the time of his death, with additional over-all responsibility for the programs in Humanities and the Arts and Science and Engineering, which he helped establish. As one of the eulogies to him expressed it, ". . . he made a unique contribution by his capacity for understanding the ways in which a balanced knowledge and an organized sense of common purpose must guide the use of either money or science in the public service . . . his talent gave philanthropy a greater discrimination of purpose."

Three new officers were elected. W. McNeil Lowry was named vice president for policy and planning and will continue to have administrative supervision of the program in Humanities and the Arts, of which he had been director. Verne S. Atwater, who had been director of the program in Latin America and the Caribbean area, was named vice president for administration, with responsibilities for internal services, accounting, and personnel. Thomas H. Lenagh, who had been assistant treasurer, was named treasurer, with responsibility for management of the investment portfolio.

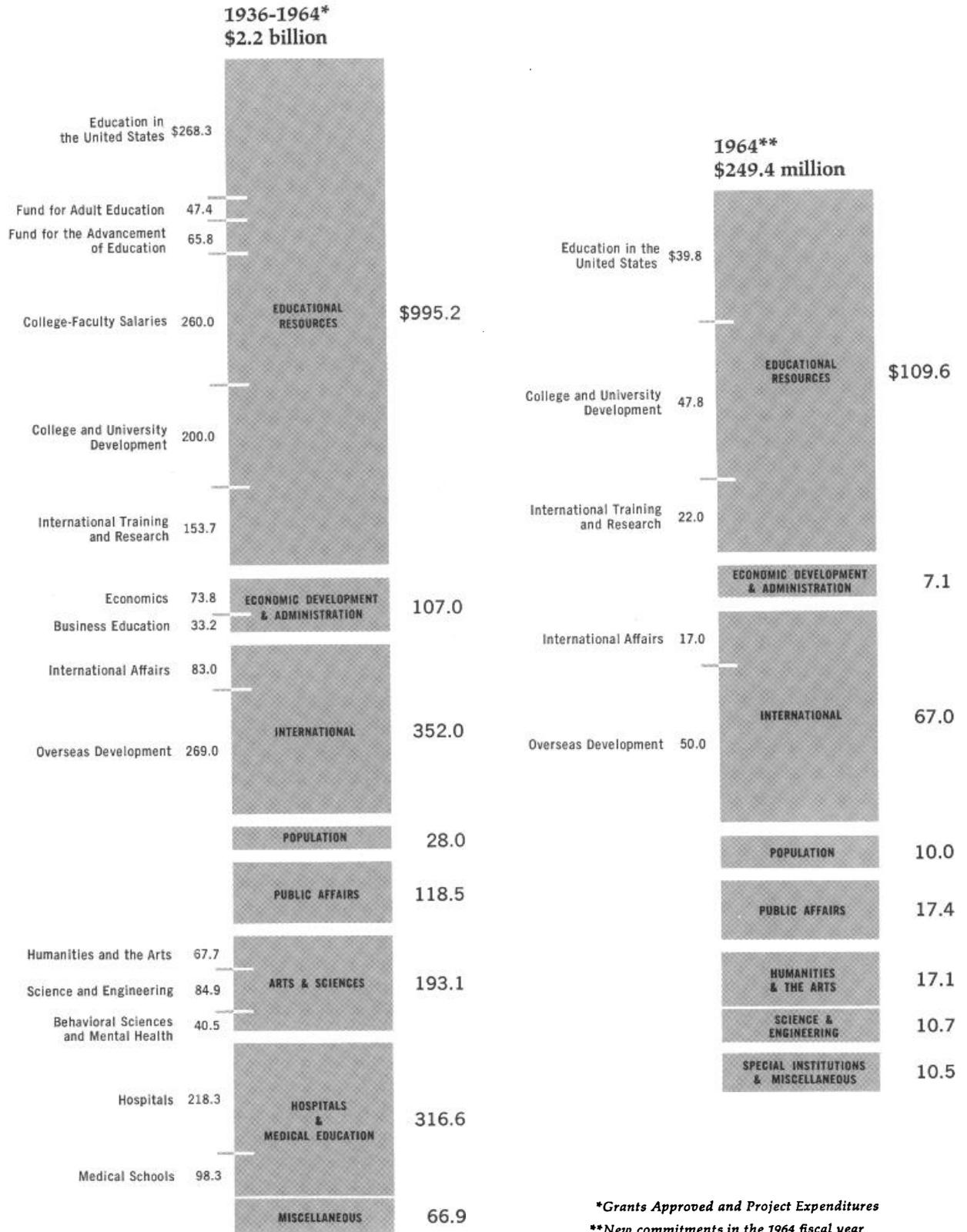
Sigmund Koch, formerly professor of psychology at Duke University, became director of the program in Humanities and the Arts. Malcolm C. Moos, author and former professor of political science at Johns Hopkins University, was named director of the Office of Policy and Planning.

Henry T. Heald

Program Reviews

Cumulative and Annual Record by Fields of Interest

(grants and other commitments in millions of dollars)



*Grants Approved and Project Expenditures

**New commitments in the 1964 fiscal year

Special Programs

A separate division was established this year to conduct selected major institutional-development efforts apart from the Foundation's nine other programs. Examples of such efforts are support for noncommercial community television and the Foundation's unrestricted grants for the over-all development of private colleges and universities, heretofore known as the Special Program in Education.

College and University Development

Grants to three universities and five liberal-arts colleges brought to \$200 million the amount the Foundation has granted since 1960 to advance the development of selected institutions of higher education as regional and national centers of excellence. Recipients are required to match the grants in various ratios with funds raised from other private sources. Together with the matching funds, the grants will result in \$706 million in new funds to the fifty-seven institutions now in the program.

The largest of the university grants in 1964—\$25 million—went to New York University to further its emergence as a leading urban institution of national status. To receive the full amount, the university must raise another \$75 million in five years. Two other universities—Tulane and Notre Dame—each received \$6 million; both grants must be matched two-to-one in three years. Notre Dame's grant was its second, in the same amount, under the program. The five colleges selected for grants this year—Colgate, Middlebury, Mills (California), St. Olaf, and Vassar—received a total of \$10.8 million, with matching requirements of \$29.6 million over a three-year period.

Institutions participating in the Foundation's special college and university program may use their grants for any purpose that will advance their educational aims. Representing a variety of backgrounds, locations, and plans,

the institutions were selected on the basis of their commitment to superior scholarship, their plans and ability to make pace-setting improvements, the quality of their leadership, and strength of support from alumni and other sources.

Stanford University, which received a five-year grant of \$25 million in 1960, completed ahead of time its campaign to raise \$75 million in matching funds. Brown University and the eight colleges whose three-year grant periods expired in 1964 successfully met their matching-fund requirements.

Negro College Development

Grants totaling \$13 million were made for eight Negro colleges listed on page 105 and five cooperating institutions in the Atlanta University Center. This represented an increase of \$3 million over the amount the Foundation last year said it intended to grant to selected member colleges of the United Negro College Fund in addition to \$5 million it gave in 1963 for the Fund's capital campaign. The new grants are for faculty and staff development and student assistance (not for endowment or construction), including faculty-salary increases, faculty-training fellowships, visiting professorships, and undergraduate scholarships.

The grants reflect the fact that while more Negro students are attending colleges of all types, two-thirds still attend predominantly Negro institutions, which need to be strengthened to afford Negro students, in general, better opportunities in higher education.

Noncommercial Television

For its reorganized program to develop a high-quality program service for the nation's non-commercial television stations, the National Educational Television and Radio Center re-

ceived a second \$6 million grant. The funds will enable the center to continue supplying five hours of programming weekly to its eighty-three affiliated stations. The objective is to help advance television as an important educational and cultural resource.

The Foundation granted a total of \$1,016,510 this year to strengthen noncommercial television stations in two strategic met-

ropolitan communities—WETA in Washington, D.C., and KCET in Los Angeles. In the past, the Foundation has also assisted WNDT, New York, and WGBH, Boston, and helped local stations throughout the country purchase videotape equipment.

A complete list of 1964 grants in the Special Programs begins on page 104.

Education in the United States

Continuing its long-term effort to strengthen and extend quality in American education, the Foundation in 1964 made grants at all levels of schooling and higher education. Improved preparation of teachers and administrators, developments in curriculum, and efforts to rebuild vocational and technical education received support. Another objective was better educational opportunity and achievement for young people, both white and Negro, whose chances for development have been crippled by chronic poverty.

Experimental ventures in all these fields were aided by the Fund for the Advancement of Education, an independent organization established by the Foundation in 1951, which received a further \$2 million grant.

Advancement of Educational Opportunity

Several grants were made in the South for cooperative arrangements among colleges and schools to strengthen teaching, curriculum, and learning motivation in schools attended primarily by Negroes. In Nashville, Tennessee, a joint school-improvement center was launched by George Peabody College for Teachers, Fisk and Vanderbilt Universities, and the public-school system of Nashville and Davidson County. Assisted by a \$500,000 grant, the center is expected to be a model for similar projects in other communities. Activi-

ties will include in-service training of teachers, remedial courses in English and mathematics, improved guidance counseling, and programs to strengthen parental interest in the schools.

Another grant was made to enable the Southern Association of Colleges and Schools and eighteen colleges and universities and ten public-school systems in an eight-state region to conduct a program for talented seventh- and eighth-grade youngsters from deprived families. The schools and colleges will counsel the students individually throughout high school, with the objective of preparing them for college placement.

To train a corps of specialist teachers for the stepped-up remedial-reading work planned by schools in such programs, Atlanta University received assistance for an intensified summer course for Negro elementary-school staff.

In addition, the Foundation committed \$200,000 for an experimental series of summer cultural-enrichment and remedial-studies programs to increase disadvantaged pupils' success in school and their chances for college. Grants to the public and private institutions listed on page 106 supported such programs in six areas. A grant also was made to Harvard University to enable its law school and graduate school of education to cooperate with selected school systems in solving problems of *de facto* segregation.

In a nationwide effort to increase the motivation and chances of talented Negro students for higher education, the Foundation granted \$7 million for establishment of the National Achievement Scholarship Program. Over five years, about 200 promising Negro students annually will be awarded four-year scholarships at colleges of their choice. The scholarships will range from \$1,000 to \$6,000 according to individual need. The program will be administered by the National Merit Scholarship Corporation, which has received previous Foundation grants of \$34.5 million since 1955 for an annual nationwide competition in which 9,100 four-year college scholarships have been awarded. That program will continue, remaining open to students of all races. But experience has repeatedly shown that economic and educational handicaps impose a severe competitive disadvantage on Negro candidates, and the new awards were established to afford talented Negro students some means of making up the difference. Although recipients will be selected by means other than the regular Merit Scholarship tests, the awards will be comparable to the regular scholarships in their emphasis on exceptional intellectual promise, and in drawing attention and financial assistance to a much larger group of able students than the winners. Lists of semifinalists are used widely by colleges and universities to recruit candidates for other scholarships.

School Improvement

Continued support was given for the comprehensive improvement of selected school systems, with grants in Bennington, Vermont; Broward County, Florida; Englewood, New Jersey; and Milton, Pennsylvania. These brought to eleven the number of such system-wide efforts assisted since 1962. Neighboring colleges cooperate with the schools in strengthening educational content and improving the use of teachers and facilities.

The Public Education Association, New York City, was granted \$353,000 to extend to other areas the experience it has gained in the past seven years in recruiting and preparing housewives and other lay personnel for volunteer service in the schools. The association will help civic groups in about twenty large cities establish school volunteer programs in impoverished neighborhoods.

Teacher Education

The Foundation added a new dimension to its program to foster improved patterns in teacher education. Three grants amounting to \$751,000 were given for the special preparation of teachers to serve in schools enrolling substantial numbers of minority-group children. Two will enable the University of California (Berkeley) and Syracuse University to provide future teachers with supervised experience in schools in blighted urban neighborhoods. The teaching interns will also take campus studies—sociology, anthropology, and psychology, for instance—leading to a better understanding of deprived children's needs. Vanderbilt University, recipient of the third grant, will increase enrollment of Negro master's-degree candidates and place teacher interns in predominantly Negro high schools.

All three teacher-education programs are at the graduate level; they are based on approaches being developed under Foundation grants to forty-nine institutions across the country, including 1964 grants to Colgate University and Colorado State College. The programs stress liberal education, mastery of subject-matter fields, graduate-year internships in cooperating school systems, and experience with new curricula and such modern techniques as team teaching. A number of these ideas and trends in American education have been generated by the Harvard Graduate School of Education, which in 1964 received additional Foundation support of \$1.3 million.

The funds will be used to strengthen the school's permanent faculty and to support scholarships and fellowships.

Vocational Education

For the second year, the Foundation assisted efforts to align vocational and technical education with the needs of an advancing technological society. A five-year grant of \$820,000 was made to the University of Wisconsin for establishment of a research center on vocational education. Universities have generally ignored the subject, and the Wisconsin program will employ the resources of all university divisions to analyze the state of occupational training and to work on such problems as teacher preparation and curriculum development.

In a step to help overcome the traditional separation between vocational and academic education in the nation's schools, the Foundation granted \$430,000 to the Newton, Massachusetts, school system. Vocational and academic "tracking" will be abandoned, and both types of training will be opened to all students in each of Newton's two comprehensive high schools. The present vocational high school will be reserved for advanced and highly specialized technical training. Also, a progression of vocational studies extending from the high schools into Newton's junior college will be devised.

Three other grants were made to help finance vocational-education experiments involving cooperation between higher education and secondary schools. Stout State University, in Wisconsin, received funds to develop and test curriculum materials emphasizing basic functions in industrial processes—product design and assembly, for example. A grant was made to enable City College of San Francisco to help prepare high-school students for jobs or junior-college studies in hotel, restaurant, and other food-service work, and Oklahoma State University received a grant for an exper-

iment in vocational and educational rehabilitation of high-school dropouts.

Undergraduate Education

The Foundation appropriated \$3 million for experiments to help attune higher education to the rapid changes in secondary-school education in the last two decades. Secondary-school programs that permit gifted students to advance at their own pace and to assume intellectual initiative are now an integral part of better school systems throughout the country. For example, 25,000 students a year take examinations to enter college with advanced credit for college-level work. But colleges generally do not offer comparable freedom of movement academically for able undergraduates.

Thus, about a fourth of the appropriation was set aside to support a cooperative experiment among Lake Forest College and several other liberal-arts institutions that will enable qualified students to pursue their entire undergraduate education through faculty-guided independent study. Committees of outside educators will examine the students on their basic liberal education at the end of their second year and on their major fields at the end of their fourth year.

The balance of the appropriation will support an experiment at Cornell University for talented students with an early commitment to graduate study. Each year over a four-year period, about forty entering students will be selected for a new curriculum that will permit them to earn the baccalaureate in three years, the master's in four, and the doctorate in six. The program will be conducted by a group of faculty advisers and will stress tutorial studies and special seminars. Also, Ph.D. candidates will have the choice of qualifying for the degree through preparation of a major lecture and other tests of their readiness as professional scholars, instead of the conventional dissertation.

Educational Management and Economics

To help reduce the shortage of experienced presidents, deans, and other administrators needed for the management of the nation's expanding and changing colleges and universities, the American Council on Education received \$4,750,000 for an internship program in academic administration. Over the next five years, about 300 promising young administrators will be selected to work closely with seasoned college and university officials for a semester to a year. The Council, a major coordinating agency for higher education in the United States, will place the interns with the assistance of an advisory group of educational administrators.

To afford higher educational institutions (state universities particularly) better insight into the implications of burgeoning enrollments and greatly altered functions, Michigan State University (which has 27,000 students and expects about 45,000 by 1972) received \$440,000 for a basic study of its program and

structure, particularly the use of faculty, space, and finances.

The Foundation made two further grants this year to strengthen planning and decision-making in school systems through the application of electronic data-processing techniques. A data system that will gather comprehensive and continuous information on school operations and pupil performance in an entire state will be developed by the State University of Iowa with the aid of a \$750,000 grant. The New England School Development Council received a \$490,000 grant for a data-processing service for schools and public agencies in a six-state region.

In Canada, research on a broad spectrum of school and university curricular problems was assisted with a \$350,000 grant to the Ontario Curriculum Institute.

A complete list of 1964 grants in the Education program begins on page 106; projects, page 159; appropriations, page 100.

Economic Development and Administration

Research on Economic Problems

The Foundation supported work to advance the immediate and long-range economic progress of the United States. To help capture important insights that are often lost because of lack of immediate research funds, the Foundation appropriated \$500,000 for studies of rapid new developments with significant economic consequences. Funds will be granted to researchers for economic analyses of changes in national economic policy and such unexpected events as natural disasters and major industrial shifts.

Brookings Institution received a grant of \$110,500 for a survey of the effects on consumer saving and spending of the February cut in Federal taxes. Data are being obtained

by the University of Michigan through four interviews, over a year, with each of 1,000 families. The analysis will be published by the National Committee on Government Finance, which Brookings established under a Foundation grant in 1960 to study and evaluate taxation and government spending and their implications for policy-makers.

For an exploratory study of the genesis of government decisions in economic affairs at national, state, and local levels, a grant was made to the National Planning Association, a private research organization. Using a few specific cases—including mass-transportation policy, urban renewal, and health care—investigators will try to determine who makes decisions and on what basis.

For the third year, the Foundation appropriated funds to expand research on factors responsible for economic growth, bringing the total to \$2,228,000. One of the major factors is technology, and a grant this year was made to the Institute of Labor and Industrial Relations, sponsored jointly by the University of Michigan and Wayne State University, for study of the effect of new technology on labor relations in the transportation industries.

A group of public-policy experts, the Committee on Urban Economics, received assistance for expansion of its program through a \$900,000 grant to Resources for the Future. Organized in 1959 with earlier Foundation assistance, the committee has encouraged economists to work on urban problems. It has commissioned work that Federal and state officials have applied directly to urban-affairs practices and policies. The new funds will be used mainly for research and training centers in selected universities.

Development of Human Resources

The Foundation granted \$195,000 to the National Industrial Conference Board for a study of management policies and practices involving Negroes. The study, which will be made available to business organizations, educational institutions, and government agencies, will report on recruitment, selection, training, promotion, and pay of Negroes in industry. Officials and employees in more than fifty companies will be interviewed.

The Foundation staff devoted extensive study during the year to further means of assisting efforts to improve economic opportunities for minority groups.

International Economics

For continuing efforts to provide training in economics and business management for officials and advanced students from less-developed countries and to improve the competence

of Americans engaged in overseas economic development, the Foundation committed \$700,000 for grants over the next two years. One grant was made to the American Economic Association for an interuniversity service to help graduate economics departments evaluate foreign curricula and improve the selection of students from abroad in other ways.

For a research program designed to identify and quantify the sources of European economic growth and derive implications for United States policy, a grant was made to the Brookings Institution.

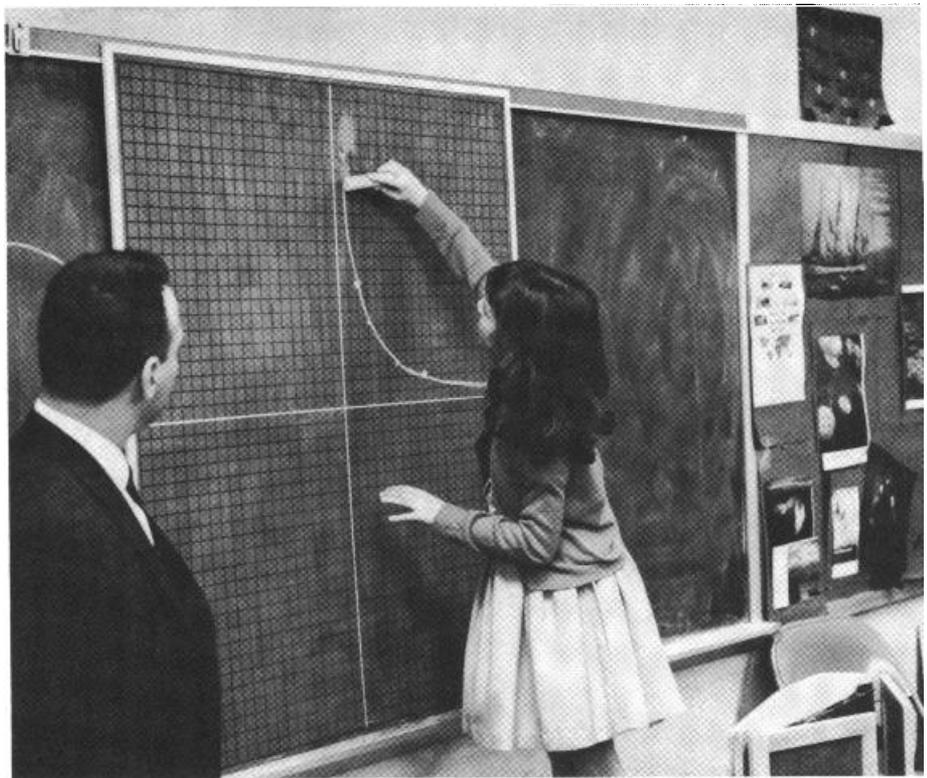
Business Education

Further grants were made in the terminal phase of the Foundation's program to encourage and support major change in the education of business leaders through better teaching and curricula. The effort began in 1953. The closing phase emphasizes research by university schools of business in the core fields of management through use of new methods derived from economics, mathematics, and the behavioral sciences.

This year grants totaling \$600,000 were made to the University of Chicago and Carnegie Institute of Technology for research in industrial relations and operations management. Chicago faculty members will work on such problems as the effects of technological change on collective bargaining and the adjustment of unions to market changes. Carnegie faculty will conduct research on production-planning, the management of research and development, and new products.

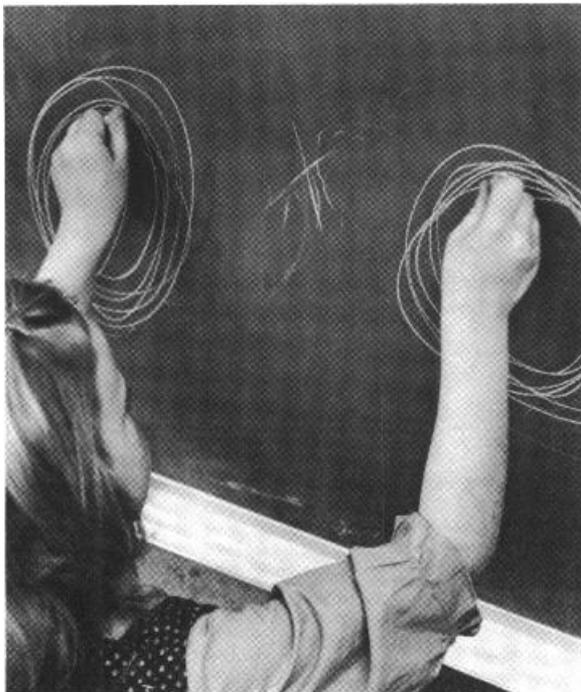
In Canada, where the demand for business-college graduates is increasing rapidly, the Foundation granted \$315,000 to the University of Western Ontario to help establish the country's first doctoral business program. The objective is to increase the supply of Canadian teachers of business.

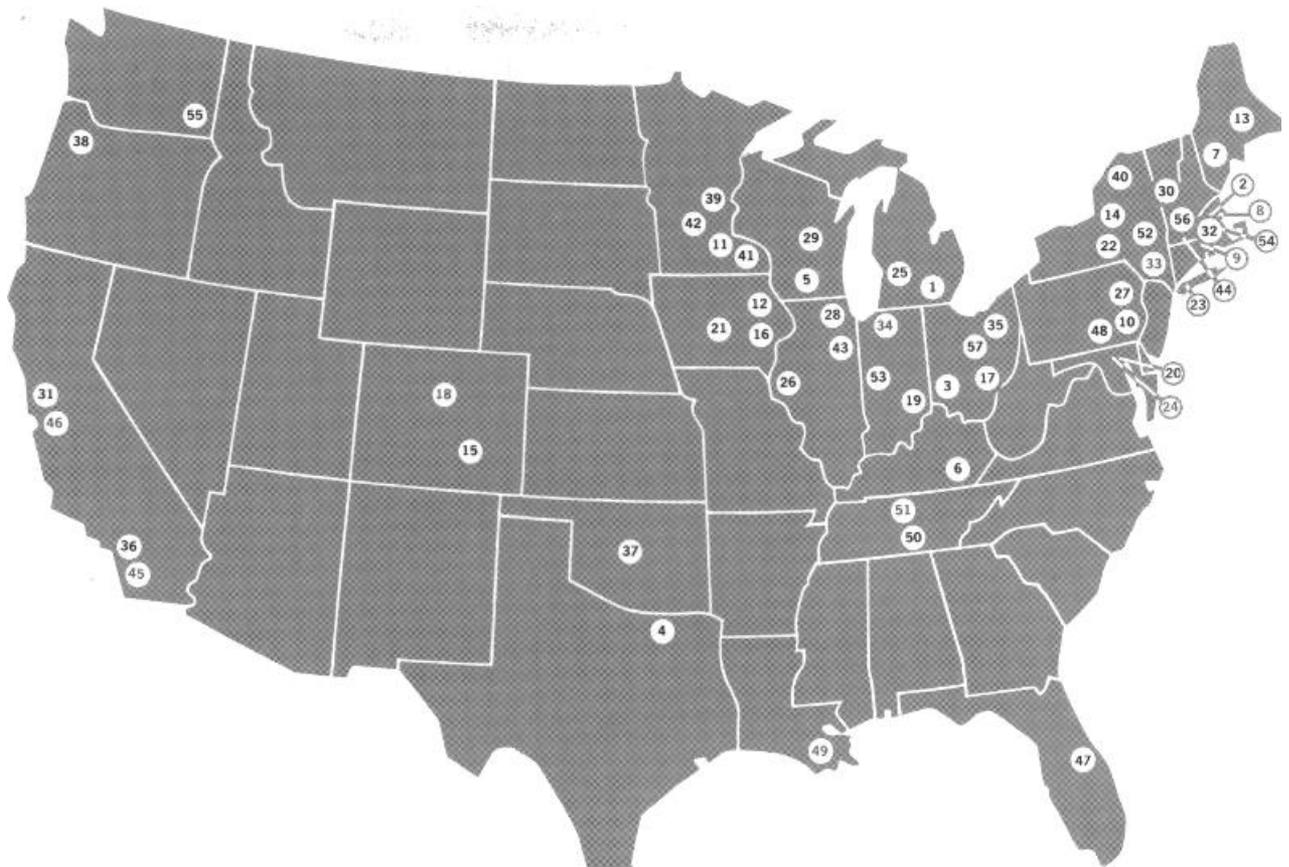
Education in the United States



School Improvement program in Brentwood, New York, spans all grades. *Above*, grade-school pupil works on mathematics problem, and, *below left*, kindergarten child develops skills.

In high school, students learn in small group. Foundation has aided eleven school-wide improvement programs.

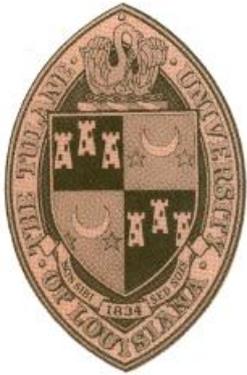




- Universities (10)
- Colleges (47)

Special Program: High level of academic competence is aim of unrestricted grants to fifty-seven institutions. Universities added in 1964 were...

- | | | |
|--------------------------|------------------------------|---------------------------------------|
| 1 Albion College | 20 Goucher College | 39 Saint Catherine, College of |
| 2 Amherst College | 21 Grinnell College | 40 St. Lawrence University |
| 3 Antioch College | 22 Hamilton College | 41 St. Olaf College |
| 4 Austin College | 23 Hofstra University | 42 Saint Thomas, College of |
| 5 Beloit College | 24 Johns Hopkins University | 43 St. Xavier College |
| 6 Berea College | 25 Kalamazoo College | 44 Smith College |
| 7 Bowdoin College | 26 Knox College | 45 Southern California, University of |
| 8 Brandeis University | 27 Lafayette College | 46 Stanford University |
| 9 Brown University | 28 Lake Forest College | 47 Stetson University |
| 10 Bryn Mawr College | 29 Lawrence College | 48 Swarthmore College |
| 11 Carleton College | 30 Middlebury College | 49 Tulane University |
| 12 Coe College | 31 Mills College | 50 University of the South |
| 13 Colby College | 32 Mount Holyoke College | 51 Vanderbilt University |
| 14 Colgate University | 33 New York University | 52 Vassar College |
| 15 Colorado College | 34 Notre Dame, University of | 53 Wabash College |
| 16 Cornell College | 35 Oberlin College | 54 Wellesley College |
| 17 Denison University | 36 Occidental College | 55 Whitman College |
| 18 Denver, University of | 37 Oklahoma City University | 56 Williams College |
| 19 Earlham College | 38 Reed College | 57 Wooster, College of |



... Tulane and New York University.
Special grants now total \$200 million.
Required matching funds total \$506 million.



Volunteers: New York program in which men and women aid teachers is being spread to other cities under grant to Public Education Association.

College Management: Top officials of small colleges, including Negro institutions, learn new techniques in Foundation-aided seminars at Knox College.





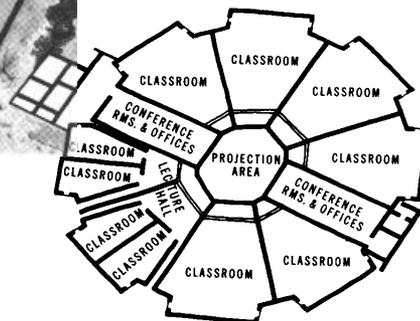
Disadvantaged Youngsters in summer study at Boston area day school, *top*, and North Carolina boarding school, *above*. Experiments in six regions were aided.

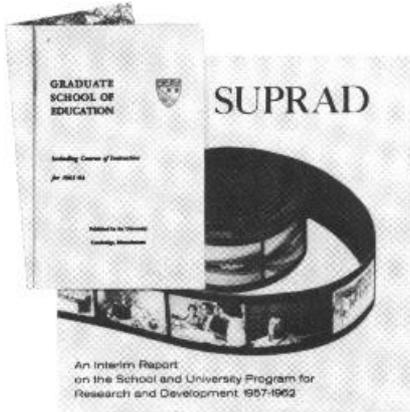


Programmed Instruction: Use of self-teaching materials in mathematics (*as above*) and other subjects is the focus of U.C.L.A. grant.



Educational Designs, such as this octagonal structure for televised teaching, are concern of Educational Facilities Laboratories, which was established by the Foundation in 1958 to help stimulate improved concepts and practices in school and college architecture and equipment.





Future College Teachers: Faculty-student colloquium at University of Florida, one of forty centers supported to speed graduate preparation for college teaching.

Harvard Graduate School of Education's pace-setting courses and research grants were aided by further Foundation grants.

Graduate-school education intern (*standing*) teaches high-school seminar while woman intern observes students' response. Harvard pioneered school internships as basis of professional preparation for teaching.

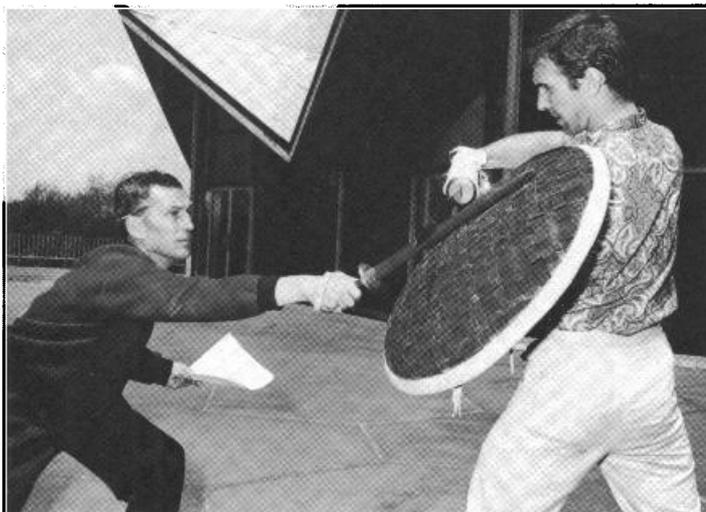


Humanities and the Arts

Civic Opera companies in thirteen cities share grants totaling \$1.7 million to extend their seasons and raise levels of local support. Part of Foundation effort to develop American artistic resources, the grants also seek to increase outlets for young performers.



Actor Training for classical roles is aim of grants made to Shakespearean companies in Stratford, Connecticut, and Ontario. Here, Canadian company members practice stage duel.



Independent Art Schools like Rhode Island School of Design stress studio work. Twenty-eight schools were aided.





Awards: Illustrative of recipients in recent years:
a. Walter Clemons, novelist, theater residency.
b. Jules Langsner, art critics fellowship.

c. Shirley Verrett, awards for concert singers.
d. Daniel Drasin, film maker's fellowship.
e. May Swenson, poet, theater residency.

Ballet School of Utah company is among seven centers in national program to strengthen professional ballet training.



continued from page 14

Fellowships and Faculty Training

Grants were made for six regional research seminars for economics teachers in American colleges, continuing a program begun in 1957 to strengthen undergraduate instruction in economics. Also continued were annual Foundation fellowships for faculty research and doctoral study in economics and business administration. For the next academic year, \$600,000 was appropriated in economics and \$1 million in business administration. Recipients for 1964-65 are listed on pages 64 to 67.

Problems of the Aging

The Foundation has virtually completed major activities in this field. This year, in an effort begun in 1962, grants were made to community organizations in New York, Providence, San Antonio, and San Francisco for three-year experiments to test improved

methods of relocating elderly residents displaced by urban renewal. These include special counseling and the use of community volunteers to help older people adjust to their new surroundings. The University of Pennsylvania is evaluating the studies.

The American Association of Homes for the Aging, established in 1961 with Foundation assistance, received a grant to provide increased consultative services and to expand its information program. The association, to which more than 550 institutions now belong, also conducts conferences on the social and physical rehabilitation of the aging and the administration of homes.

A complete list of 1964 grants in the Economic Development and Administration program begins on page 110; projects, page 159; appropriations, page 100.

Public Affairs

Issues that have recently come to the forefront of the national and local scene—ingrained poverty, the rights of indigent accused persons to defense, the role of police in community problems, and opportunities for minority groups, for example—have been subjects of Foundation action in past years, and were again in 1964.

Grants were also made for work on other long-term matters like strained urban services, juvenile delinquency, improvement of government personnel, the legal profession's part in public affairs, and basic knowledge of political processes.

Community Development

The Foundation appropriated \$4 million to continue helping selected communities mount coordinated attacks on deprivation in jobs, education, housing, and recreation. Under previ-

ous grants totaling \$12.5 million, Foundation-assisted projects are under way in Boston, New Haven, North Carolina, Oakland, Philadelphia, and Washington, D.C. Architects of the Federal anti-poverty program this year visited some of the projects, consulted with their officials, and incorporated some features into legislation.

To eliminate barriers to fuller development of nonprofit housing, the Foundation granted \$575,000 to Action, Inc., an organization formed in 1954 to promote better environment in American cities. The funds will be used over the next three years to provide technical advice to nonprofit groups—churches and labor unions, for example—that wish to sponsor housing for the elderly, the involuntarily displaced, and those of low or moderate income. The program is also aimed at stimulating the formation of local development funds—pools

of private capital contributed to nonprofit corporations for the purpose of assuming financial risks beyond the capability or willingness of the ordinary capital market. In addition to the grant, the Foundation appropriated \$2,250,000 to help support further activities in these and related fields.

Youth Opportunities

The Institute for Developmental Studies of the New York Medical College, Flower and Fifth Avenue Hospitals, received a second Foundation grant to continue through 1967 a project to develop preschool materials and techniques. The program is designed to correct the handicaps that begin to overcome children from impoverished families in the third and fourth grades and are a prime cause of later school failure. These children are deficient in conceptual, visual, auditory, and other essential learning skills usually acquired by middle-class children before they start kindergarten. The institute's work on the problem has drawn inquiries from school systems in sixty cities.

A New York City work-study program to help potential dropouts finish high school and to raise their occupational sights received \$304,000 to continue through 1966. Begun with Foundation aid in 1961, the program provides high-school students with experience in city agencies as clerical workers, hospital aides, and mechanics' helpers, and in similar jobs. The students alternate weekly between work and school.

In Seattle, the Metropolitan Youth Development Council received a grant for its program to reduce youth unemployment, and to analyze the manner in which jobs and vocational preparation reduce delinquency. A team of social scientists at the University of Washington will measure the program's activities, which are expected to yield information of general use in other communities.

Administration of Justice

Under a program begun in 1963, the Foundation granted an additional \$2 million for experiments in all regions to improve the administration of criminal justice by strengthening defender and related services. The funds are administered by the National Legal Aid and Defender Association. The objectives of the program were reinforced in March when the Supreme Court handed down its landmark decision (*Gideon vs. Wainwright*) that the failure to provide trial counsel to indigents in criminal cases—at least in felonies and perhaps in some lesser crimes—is a denial of due process of law. The decision led to increased public interest and demand for defender programs. It is estimated that at least 60 per cent of all felony defendants cannot afford a lawyer. In addition, there are perhaps several million indigent defendants in misdemeanor cases every year. Attorneys who are provided are usually assigned by the courts, a system regarded by many legal experts as inferior to an organized defender system. There are at present only 136 organized defender agencies in the nation.

Having last year made a grant for an experimental bail project, the Foundation this year granted funds to enable the Vera Foundation to expand another experiment, the Manhattan Summons Project, and to provide interested communities with information about both forms of providing pretrial liberty with safeguards. The bail experiment, in which selected prisoners who cannot afford bail are released pending trial, has been 99 per cent effective in New York City since 1961, and similar pretrial release programs have been started in nineteen additional jurisdictions. The summons project, a variation, is designed to demonstrate that justice is still served by releasing a suspect of lesser crimes at the earliest possible moment—even on the street, as in the case of traffic violations. Also, a summons for

later appearance in court instead of booking and detainment at a police station saves accused persons social and economic penalties. Grants for the Vera Foundation experiments are administered by the Institute of Judicial Administration.

With juvenile-crime statistics continuing to spiral upward, the Foundation—which for many years has supported experimental delinquency-prevention efforts—turned to a three-part \$830,000 program centered on improving juvenile-court procedures. Juvenile offenders are seldom represented by attorneys, although many judges would prefer that they have counsel. Therefore, the National Juvenile Court Foundation received funds for pilot programs in four localities to demonstrate the value of the attorney in juvenile-court proceedings. The organization received another grant to study and evaluate the handling of neglected children and other non-delinquent juveniles in courts. And funds were provided to the National Council on Crime and Delinquency to prepare a handbook that will bring together for the first time material from the behavioral, medical, and social sciences relevant to the work of juvenile-court judges and provide them with up-to-date knowledge about delinquency prevention, diagnosis, and treatment.

Seeking to improve criminal justice at the starting point—police action—the Foundation made four grants totaling \$1,460,000 to help strengthen standards of police administration.

The International Association of Chiefs of Police received a grant to survey and suggest improvements in curricula in police administration at junior colleges, four-year colleges, and graduate schools; and to expand research on law enforcement.

The Southern Police Institute at the University of Louisville, which has been working to upgrade the training of local police for more than ten years with Foundation assist-

ance, was given additional funds to increase staff, undertake police-management studies, and conduct research on civil rights and problems of racial conflict.

The Northwestern University Law School received a grant to train lawyers as police advisers who will instruct police in the law, represent them at legislative hearings, and prosecute them—before police boards or civil-service commissions—or defend them in civil actions. Graduate law students will receive fellowships for a year in residence at Northwestern preparing a thesis and observing the Chicago police department and the offices of public prosecutors. Following their residencies, they will intern for a year as legal advisers to a police agency.

The University of Wisconsin Law School, one of the few with a tradition of scholarly attention to police and correctional phases of the law, received funds to expand research and training on the relations between law, lawyers, and criminal-law enforcement.

Legal Education

Howard University, the largest predominantly Negro university, received a grant of \$1.8 million for its law school, which is one of the country's smallest. Half of the grant is for scholarships to overcome the severe financial handicaps that prevent four out of five students who are anxious and qualified to go to the law school from entering and graduating. The rest of the grant provides for additional faculty and staff, for programs and facilities to afford students material available only in larger law schools, and for summer work to overcome entering students' educational and cultural handicaps.

The Foundation continued its efforts to help relate legal education more closely to social needs and problems with a grant to the Association of American Law Schools—the professional organization of law-school teachers and

administrators. The association will conduct programs to increase the availability of lawyers for disadvantaged members of society, the status and career potential of night-school law students, the recruitment of qualified members of minority groups into legal education, and the concern of legal education generally for public responsibility.

Minorities and Race Relations

For a nationwide effort to help communities deal with racial problems in housing, employment, schools, and other fields, the United States Conference of Mayors received funds to set up a Community Relations Service that will make specialists available to mayors on request. The service will also gather information about municipal-employment practices, local ordinances affecting race relations, and biracial committees to reduce racial tension.

For a major study of the social, economic, and political conditions of the three-and-a-half million Mexican-Americans who live in the Southwest, the University of California (Los Angeles) received a \$450,000 grant.

The Association of the Bar of the City of New York was aided in a study of means of removing procedural obstructions to the practice and enforcement of civil rights.

Urban and Regional Affairs

Surveys designed to improve community life in two widely separated sections of the East Coast—the New York metropolitan region and the Cape Kennedy area of Florida—were given Foundation support. The Regional Plan Association of New York began work on a comprehensive plan—the first since 1929—for the twenty-two metropolitan counties of New York, New Jersey, and Connecticut. Community studies of Brevard County, Florida, will be made by Florida State University. The county, which includes the Cape Kennedy Missile Center, grew in population from

32,650 in 1950 to some 150,000 by mid-1963.

An evaluation report was completed on efforts the Foundation began in 1959 to test the feasibility of universities providing cities with training, research, and extension advice similar to land-grant institutions' aid to agricultural areas. The report concluded that in only a few instances were university "urban agents" effective in working with city families and agencies, but that universities contributed importantly in applied research and evaluation of urban community-development projects and in training urban-affairs specialists. This year the Foundation committed funds—including grants to two earlier participants, the University of Wisconsin and ACTION-Housing, Inc. of Pittsburgh—to conclude the urban-extension program over the next year, bringing the total to \$3.7 million.

Research and Training on Government

The Social Science Research Council received additional funds for a program of awards to individual scholars for research on government, politics, and legal processes. Grants, now totaling \$1,655,000, have supported the work of seventy-eight individual scholars from fifty-seven colleges and universities since 1956. Selection of scholars is made by the Council's Committee on Political Behavior. Under the 1964 grant, promising junior faculty members will continue to be included along with leading research scholars.

Texas became the latest state to receive Foundation assistance to strengthen the public service by providing internships for graduate students in law, political science, and other fields in offices of state legislatures. Since 1956 twelve states and Puerto Rico have been assisted in similar programs.

A complete list of 1964 grants in the Public Affairs program begins on page 115; projects, page 159; appropriations, page 101.

Humanities and the Arts

The Foundation's effort to strengthen the nation's artistic and humanistic resources continued along two main lines—the one developmental and the other exploratory.

Experiments in the Theater

Continued assistance to the maintenance of professional standards by nonprofit theaters in many regions of the country was the aim of a \$795,000 grant to the Theatre Communications Group, which was established by the Foundation in 1961 and this year became an independent organization with headquarters in New York City.

The resident theater movement is growing rapidly, partly under the stimulus of Foundation programs for directors, actors, and other professionals, and a series of developmental grants in nine cities in 1962. The ability of nonprofit theaters to attain artistic and economic continuity as permanent institutions still remains to be demonstrated. The grant to the Theatre Communications Group is designed to provide several services important to their professional development over the next five years. These include exchange visits among directors and staffs of various companies; annual auditions, by managing directors, of drama-school graduates; opportunities for producing directors to test professionals' talents by inviting them to work in their theaters; consulting assistance by experts in subscription sales, staging, and other theater problems; and a casting-information service matching the needs and schedules of theaters and actors.

The Foundation also supported experiments in 1964 to encourage production of more new creative scripts. An earlier series of Foundation fellowships enabled twenty-five poets and fiction writers to study the dramatic form through a year's residence with a repertory

theater. Under the new efforts, the Foundation will provide \$325,000 over the next three years for a variety of arrangements for playwrights in the resident professional theater. For example, a managing director may request support for a playwright whose script he has accepted while the playwright works with him in revising it for production. Or the director may recommend that the Foundation commission a playwright to write a new script for production at his theater. In New York City such activities will be supported by a grant to the American Place Theatre for its program in the production of new scripts, which includes stage readings, performances of works in progress, and full productions of completed plays.

A grant was made to the Arts of the Theatre Foundation for research on the design of a lightweight, portable theater that can be inexpensively manufactured. The objective is a structure that can be quickly set up and disassembled by traveling theatrical groups, or used as an economically feasible home for a theater company in its own community.

Developmental Programs in the Arts

The Foundation implemented three national efforts for which funds were appropriated last year. First, a total of \$7,806,750 was granted to develop the country's training and performing resources in ballet. In addition to strengthening directly the eight major ballet organizations listed on page 121, half the program provides for training over the next ten years of several hundred talented ballet students in communities throughout the country. Second, the role of independent art schools and conservatories of music in setting standards for professional training was strengthened with grants totaling \$2 million for scholarship support at thirty-six institutions across the

country; they are listed on page 122. Finally, in a program to increase the supply of qualified curators and directors for the nation's museums of fine arts, Yale and New York Universities received grants for graduate fellowships in museum training, and funds were provided for Foundation-administered internships at a number of cooperating museums for master's-degree graduates in the history of art.

Planning was completed this year for a new developmental program—a \$1.5 million effort to help raise the level of the art of literary translation in the United States. The Foundation will finance establishment of a national center aimed at increasing the number of competent American translators and the supply of high-quality manuscripts available for publication. Fellowships will be awarded to writer-translators for projects requiring extensive research and writing time and to promising younger writers to develop skill in the art and craft of translation. The center, to be located at the University of Texas, will also commission selected translations, provide an information service on translation needs and personnel, and publish critical reviews of the quality of translations of contemporary and earlier works.

The Foundation made a \$582,000 matching grant to Young Audiences, Inc., which helps local communities organize and train ensembles of professional musicians from symphony orchestras and chamber-music groups for concerts in schools. Since a grant to the organization in 1959, about 3,500 concerts have been given by some fifty ensembles. The performances give youngsters the opportunity to hear musicians discuss the repertory and the characteristics of their instruments. Young Audiences will use the new funds over the next five years to organize programs in more communities, improve existing programs, and otherwise to strengthen its long-range national development.

Development of Individual Talent

The Foundation continued assistance to talented individuals in selected fields of the arts. Under programs announced last year, fellowships were awarded to twelve creative film makers and to eleven critics, reporters, and editors in the visual and performing arts. Also, twenty-four awards were made in the third year of the program of administrative internships in the performing arts. Fellowship recipients are listed on pages 68 and 69.

The Humanities

Although many Foundation activities have sought to strengthen the humanities broadly, not until this year—with the appropriation of \$2 million for future grants in archaeology—was support extended to a specific humanistic field. The Foundation's assistance will be designed to meet the needs of the field generally, rather than for individual excavation projects. Such needs include training of scholars, communication among archaeologists around the world, preparation of research materials for publication, integration of new knowledge into courses and textbooks, and the application of new technology to archaeological analysis and site exploration.

A ten-year grant of \$2 million was made for the completion of projects to edit and publish the papers of the Adams family and of Franklin, Hamilton, Jefferson, and Madison. The massive undertaking, in which forty of some 220 projected volumes have been published, is sponsored by seven universities and scholarly societies and the National Historical Publications Commission. The commission will use part of the grant to train scholarly editors for its program to document the lives of pivotal figures in American history.

A complete list of 1964 grants in the Humanities and the Arts program begins on page 120; projects, page 159; appropriations, page 101.

International Training and Research

The Foundation's efforts to advance American competence in foreign affairs this year stressed means of improving technical assistance overseas, especially by American universities. Work continued in such other fields as language and linguistics; the international dimension of undergraduate, graduate, and professional-school teaching; and improved performance of foreign students attending institutions in the United States. And efforts were begun to encourage study and research on modern European affairs—a field relatively ignored in the postwar surge to compensate for past neglect of non-Western areas.

Education for Development Assistance

A number of grants were made to help American universities overcome the shortage of qualified personnel for technical-assistance projects in the less-developed countries, to use more effectively the skills of faculty members who return to the campus from foreign assignments, and to increase the number of able young persons who enter careers in the international field.

The new Midwest Universities Consortium for International Activities, composed of four state universities (Illinois, Indiana, Michigan State, and Wisconsin) received a \$3.5 million grant. The funds will be used to expand and improve the members' international teaching, research, and service roles. For example, they will enter as a group into contracts for overseas operations. The consortium will also recruit 100 new staff members for service abroad, using the experience and knowledge gained in their assignments for campus research and teaching. Other activities include internships to enable 100 graduate students to work abroad in technical assistance projects, fellowships for doctoral candidates doing research alongside faculty supervisors en-

gaged in overseas assignments, and research grants for faculty members working at project sites.

To provide opportunities for young American lawyers, engineers, educators, and other recent graduates of professional schools to work and learn in the developing countries of Asia, Africa, Latin America, and the Middle East, the Foundation established an overseas professional-service fellowship program. Over the next three years, the Foundation will finance 175 awards totaling \$3 million for service in apprentice positions in private or public foreign agencies and institutions. The program is based on the successful experience of two earlier Foundation-assisted projects—the Africa-Asia Public Service Fellowship Program, administered by Syracuse University on behalf of fifteen universities, and a Massachusetts Institute of Technology program described on page 58.

Insight into the complexities of change in less-developed countries—the degree to which experience in one country applies to another, for example—was the objective of two grants. In one, researchers will analyze the experience of four American universities in helping new nations launch agencies essential to modernization. With previous funds the interuniversity program (the University of Pittsburgh and Indiana, Michigan State, and Syracuse Universities) began studies of the process by which new values, institutions, and technologies are introduced abroad. The other grant was made to the American Society for Public Administration to continue its research, seminars, and publications in development administration. It will also foster relationships between American specialists in development administration and their counterparts in Europe and the emerging nations.

For the second year, Pennsylvania State

University received a grant to administer a program for Peace Corps veterans and other young Americans with similar overseas experience who have returned from assignments in the developing nations and are taking advanced graduate studies in preparation for further service abroad. The funds will be used to award 240 fellowships during the next four years. Ten universities cooperate in the program, in which forty-eight men and women received the first awards last year.

Resources for International Programs

Grants totaling \$4.8 million to Michigan State University and the Universities of Illinois, Minnesota, and Pittsburgh brought to twenty the number of universities participating in a Foundation effort to help build international studies on a permanent, competitive footing with other subjects, and to develop the international aspects of graduate and professional work. The universities are using their grants to strengthen foreign-area and language studies, graduate programs in the social sciences, and professional-school programs in the international field.

At the undergraduate level, a series of grants totaling \$1.5 million was made to help liberal-arts colleges develop and share international-studies resources on a regional basis. The funds will be used to train college faculty at university foreign-area centers and to assist field research overseas. Previous grants were made for the undergraduate international-studies programs of more than fifty colleges. The new grants cover colleges in Virginia, New York State, and the Chicago, Detroit, and Pittsburgh areas.

Area Studies

In the third year of its special effort to strengthen Latin-American studies in the United States, the Foundation supported graduate training, research, expanded library re-

sources, and field research by faculty and advanced students. An annual series of post-doctoral fellowships for young North American professors enabling them to conduct research in Latin America began with awards to the recipients listed on page 67. Funds for shorter-term student research in Latin-American countries were provided through grants to Columbia University and the University of Chicago. Students from New York, Princeton, and Rutgers Universities and from City College in New York will be included in the Columbia program, and students from Iowa State University and the University of Illinois in the Chicago program. Two universities with scholarly ties in Latin America—Cornell and the University of Texas—received grants totaling \$1,125,000 for expansion of research and training on the area. The grant to Texas includes support for the training of librarians, and in a related effort to improve research resources in the Latin-American field, the Foundation granted \$250,000 for bibliographic services by the Hispanic Foundation of the Library of Congress.

The Foundation granted \$500,000 to Boston University for continued support of its African Studies Program, including collaboration with other New England institutions and strengthening of staff, library facilities, and research; and the University of Hawaii received \$300,000 for expansion of a program of Asian and Pacific-area studies.

To stimulate American studies of Western Europe, the Foundation granted \$400,000 to the Foreign Area Fellowship Program administered by the Social Science Research Council and the American Council of Learned Societies. In addition to the 250 fellowships now awarded annually for non-Western, East European, and Latin-American studies, the program will make up to eighty awards for West European studies in the next two years with the new funds. Established by the Foundation

in 1952, and given previous assistance totaling more than \$12 million, the program has become the nation's principal source of new college and university teachers of international studies.

The Foundation also made a grant for collaborative analytical studies by senior European and American scholars on the political development of seven smaller European democracies—Austria, Belgium, Denmark, Ireland, the Netherlands, Norway, and Switzerland. Books on each country will be prepared, with the University of Oregon serving as fiscal agent for the program.

Language and Linguistics

To continue fellowships aimed at increasing the number of trained linguistics specialists in the United States, the American Council of Learned Societies received \$330,000. With previous Foundation aid, the A.C.L.S. has awarded about 200 fellowships to advanced and intermediate students.

To help improve the capability of American institutions for providing assistance in the teaching of English as a second language overseas, the Foundation granted \$310,000 to the University of California (Los Angeles). The university, a pioneer institution in this field, will use the funds for additional faculty and for training and research programs both on campus and overseas.

Japanese-language training for advanced students from ten American universities was again assisted. Administered by Stanford University, the program offers instruction at International Christian University in Tokyo for students with at least two years of training in Japanese in the United States.

Foreign Student Education

The Foundation carried forward its effort to help foreign specialists and undergraduates obtain the maximum benefit from their

studies at American colleges and universities.

A grant of \$500,000 was made to the Association of American Law Schools for summer sessions in American legal procedure for about half of the 250 foreign law graduates who come to this country annually. Orientation is especially important for lawyers from countries with legal systems outside the English common-law tradition.

Previously assisted programs in Washington, D.C. and Los Angeles for introducing foreign students to American life received further support. And a grant was made for a new summer center for instruction in English and orientation in other subjects. The center, located initially at the University of Pittsburgh, is operated by a regional council of thirty educational institutions in Ohio, West Virginia, Pennsylvania, and western New York.

International Educational Exchange

The United States Government and the Soviet Union this year renewed a cultural agreement, and at the same time the Foundation made a \$1.5 million grant in continued support of an exchange program of American scholars with the Soviet Union and Eastern Europe. The program is administered by Indiana University for the Inter-University Committee on Travel Grants, consisting of forty colleges and universities in twenty-three states. To date, 208 American graduate students and young faculty members have been aided in studies for periods up to two years at Soviet institutions, and 244 Soviet scholars have attended universities here. The program includes lecture and research visits and an exchange of young scholars with Bulgaria, Czechoslovakia, and Hungary.

A complete list of 1964 grants in the International Training and Research program begins on page 125; projects, page 160; appropriations, page 101.

Public Affairs

North Carolina Fund: Children from deprived homes are one focus of statewide effort to break the cycle of poverty. The Fund, assisted by a major Ford Foundation grant, has started preschool and primary education projects geared to their needs.

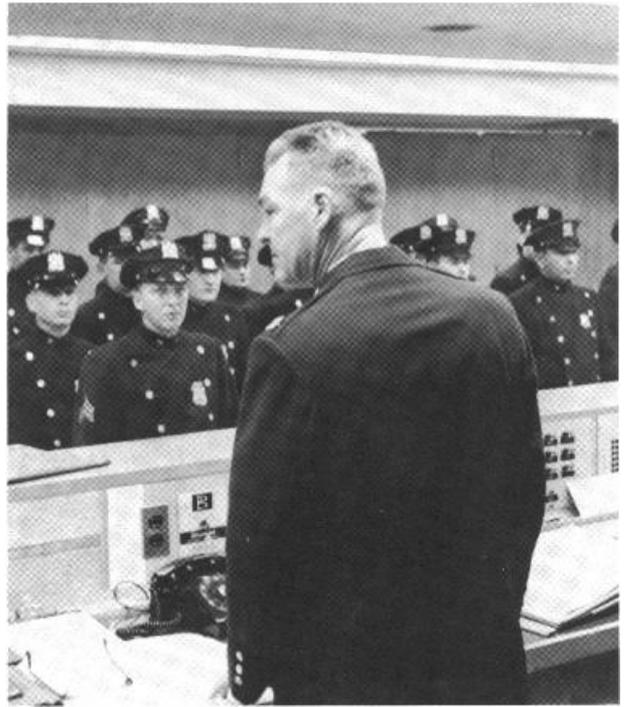


Left, board and staff members of the North Carolina Fund meet community leaders of one of fifty-one localities whose development proposals were reviewed first hand.

College volunteer and adult student discuss night-school lesson in Laurinburg. One hundred college students spent summer helping in six of Fund's community-improvement projects. Service ranged from teaching to manual labor.



Police Administration: Efforts to improve criminal justice include grants for strengthening police training, preparation of lawyers as police advisers, and an experiment in which certain accused persons receive a summons instead of being arrested.



The Southern Police Institute received funds to expand its program. It gives courses for law enforcement officers and conducts research in police work, including problems of racial conflict.



Mexican-Americans in the Southwest, like East Los Angeles clothing-factory worker, *right*, are focus of a social, economic, and political study by the University of California (Los Angeles).





Boston Community Development agency seeks to coordinate efforts of city's social agencies to meet human needs in urban renewal areas. Shown at Roxbury Youth Training and Employment Center are school dropouts taking tests to reveal potential job skills.

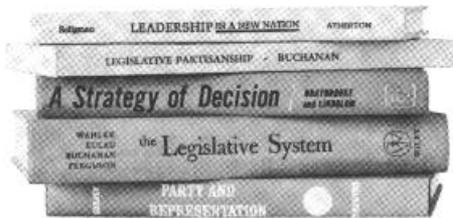
Teenager learns mechanical skills by repairing a bicycle. Other trainees work at clerical and woodworking projects. Local industry and labor cooperate in program.



Tutors, all Arizona college students, and staff of Phoenix Project in Pupil Motivation (called 3 PM) plan a summer program to motivate potential dropouts to return to school in the fall.



Foreign Affairs Scholars program was created under grant to help able minority-group members prepare for government careers. *Above*, Dillard University student interns with overseas-information agency.



Individual Research: Some of the books written by seventy-eight scholars assisted by grants to the Social Science Research Council since 1956.

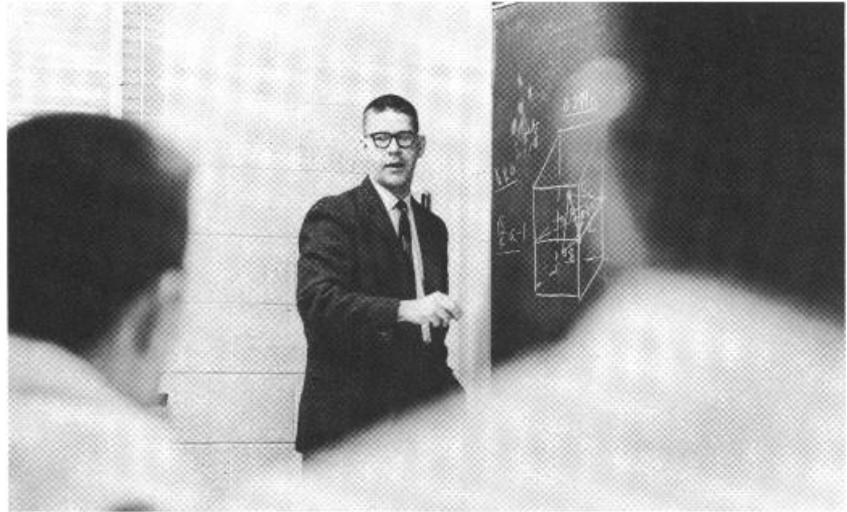


Regional Studies: Object of latest survey is Brevard County, Florida, where Cocoa Beach, *right*, and other suburbs are mushrooming due to space research. Area is unusual in that it has no central city.

Science and Engineering

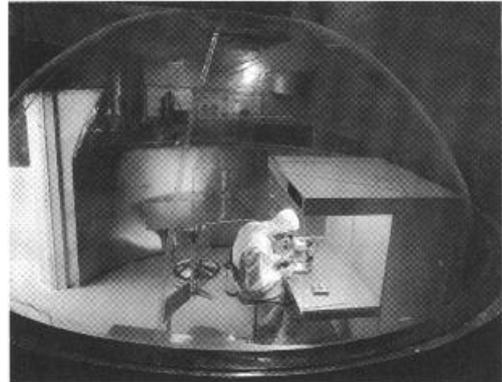


Educational Cooperation: At Oak Ridge, physicist and student discuss cyclotron.



A Foundation-assisted program enables twenty scientists and engineers (like Carl McHargue, *above*) from the Atomic Energy Commission's laboratory to teach part time at the University of Tennessee.

Institutional Development: New dust-free laboratory at Case Institute of Technology, recipient of a major development grant in 1961.



Engineering Design: Model apparatus for brackish-to-fresh water conversion resulted from problem assigned Dartmouth sophomores in ten-week introductory course in engineering analysis.

International Training and Research



International Service Career is planned by Dorothy Vellenga, former Peace Corps science teacher in Ghana. Foundation aid helps returned Corps members take advanced studies.

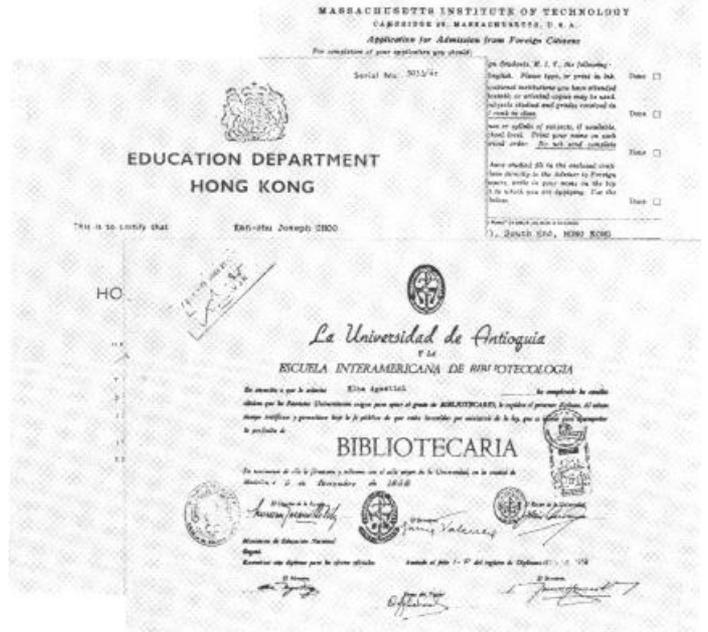


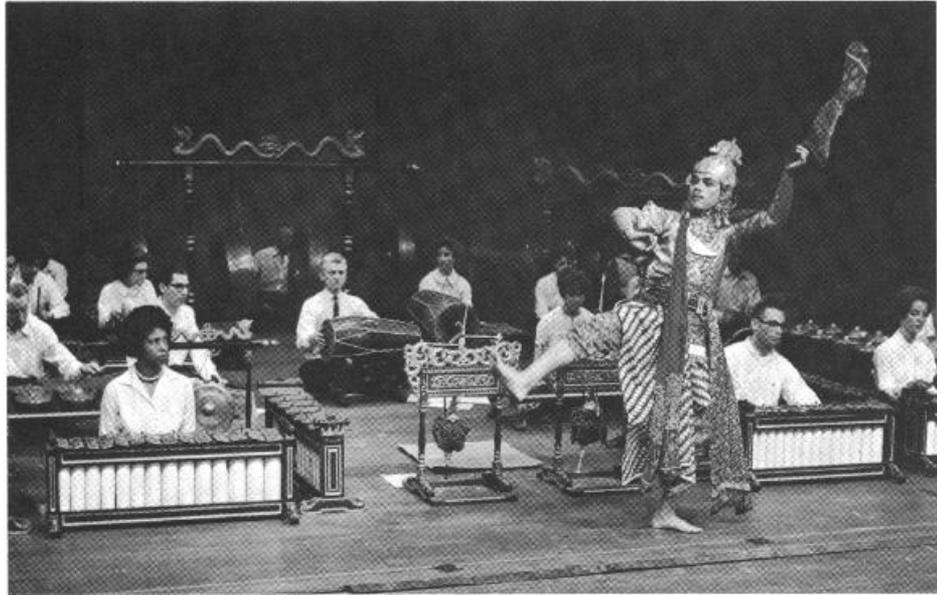
Studying at Columbia University, Miss Vellenga does research on housing project for graduate sociology course.

Southern Center of foreign study is at Duke University. Below, Asian experts in the library.



Foreign Students: Diplomas and admission form used in a series of workshops grappling with credit transfer and other problems of foreign admissions to United States universities.





Non-Western Culture: University of California (Los Angeles) group accompanies Javanese dancer with native music. U.C.L.A. covers international work in many subjects and professions.

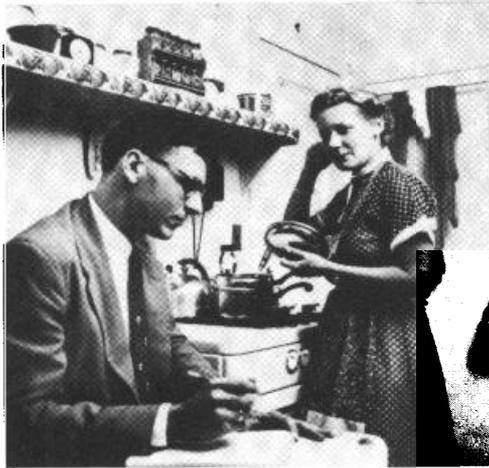
Communist Conflict is subject of lecture by expert at George Washington University, which has grant for Sino-Soviet studies.



Knowledge of India: University of Pennsylvania scholar studies at new American Institute of Indian Studies. Set up near Bombay by fifteen American universities with Foundation aid, it offers joint research and instruction with Indian scholars.



Economic Development and Administration



Economic Research: Effect of tax cut on family budget patterns is being analyzed by University of Michigan.

Left, interviewer talks to housewife to obtain data for study, in which 1,000 families will be questioned about spending and saving habits.

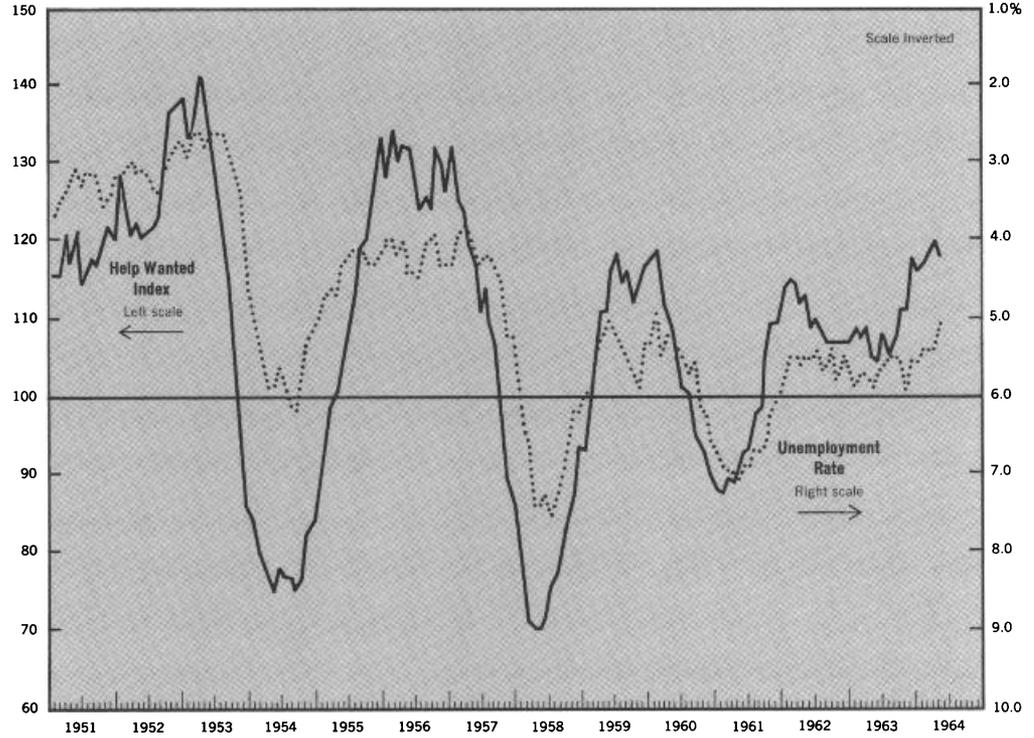
Negro Employment in some fifty companies is being surveyed under Foundation grant to National Industrial Conference Board.



Technological Change: Research is aided on effects in transportation industry of innovations like new cargo-loading devices.

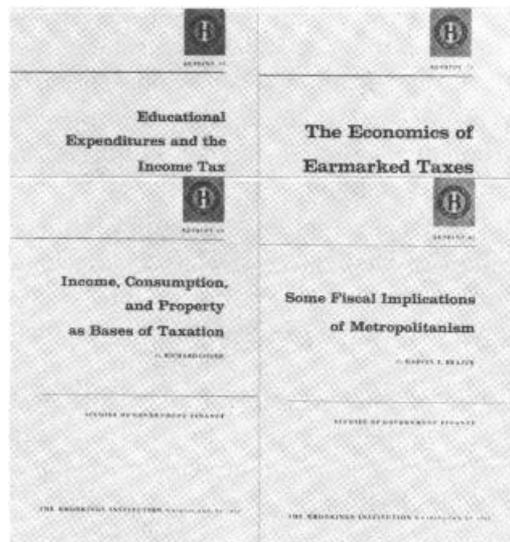


Manpower Resources: Graph of unemployment (dotted line) and job vacancies (solid line) was made in project to improve employment data.



Government Finance: Taxation and other studies, under grant to Brookings Institution, aid in judging tax policies and government performance.

Business Education: Completion of new Columbia University graduate business school building was aided, permitting concentration on academic program.



Science and Engineering

Engineering Curricula and Teaching

Because the movement to strengthen the scientific bases of engineering education through advanced-degree study is now well established, the Foundation turned increasing attention this year to a related problem. That is, assuring that engineers are better prepared to apply fundamental science and mathematics to practical engineering problems.

One means is to bring faculty members into more contact with engineers who work under the demands of the everyday consumer economy. Thus, in a three-year program of faculty residencies in industry the Foundation established in 1963, the first eight engineering teachers, listed on page 69, were selected this year. They will work for twelve to fifteen months at high levels of industrial decision-making.

Another means is to bring the substance of practical engineering problems into curricula by stressing the development and design of machines and systems. Engineering design was the focus of a \$1.5 million appropriation the Foundation made in 1964. The first grants from these funds were made to Dartmouth College and McMaster University (Hamilton, Ontario) for curricular experiments which stress the planning of machines, structures, processes, and systems tailored to the civilian economy's requirements of cost, feasibility, and marketability.

Curricular emphasis on design is the main aspect of changes Rensselaer Polytechnic Institute is making with the aid of a \$335,000 grant it received this year. R.P.I. also plans to replace the bachelor's with the master's as the first professional degree. It may, further, substitute a design project for the conventional research thesis as a requirement for the engineering doctorate.

Two earlier Foundation efforts to strengthen

engineering teaching were continued. In one, grants of \$100,000 each were made to the Massachusetts Institute of Technology and the Universities of California (Los Angeles) and Michigan for further professional self-improvement conferences for engineering-faculty members from other institutions. In the other, a third annual series of grants totaling \$1,551,644 went to thirty-four universities (listed on page 129) for forgivable loans of up to \$10,000 to qualified engineering graduate students who commit themselves to teaching careers. Supplementing fellowships and other income, the loans are for graduate students and young engineers who want to teach but lack sufficient funds to earn a Ph.D. in a reasonable period. The loans are forgiven on the basis of subsequent service as full-time faculty members.

Institutional Development

Seeking to add to the number of the nation's first-rate centers of science and technology, the Foundation made a \$5 million grant to the Illinois Institute of Technology. Similar to support given Case Institute in 1961, it must be matched three-to-one by funds raised from other private sources. Illinois Tech will use the funds over five years for construction of separate buildings for the life sciences, engineering sciences, physics and chemistry, and the arts and sciences; for maintaining academic salaries at competitive levels; and for new faculty positions required by educational development and projected enrollment.

Science Education and Research

The Marine Biological Laboratory, Woods Hole, Massachusetts—an outstanding summer center for a wide range of research and advanced study in the biological sciences—received a \$2.5 million grant to meet critical

needs in facilities and equipment. During academic recesses scientists and graduate students come to the laboratory from some 180 American and foreign institutions. The grant will provide housing for young married faculty members, half of the costs of an instructional building and dormitory-dining hall, and a research vessel suitable for extended local cruises on a year-round basis.

The Foundation granted \$685,000 to strengthen Princeton University's new Department of Astrophysical Sciences by integrating studies in astronomy with plasma physics and atomic and molecular spectroscopy. These fields, though important to astronomers, have been neglected by university physics departments in favor of studies of

subatomic particles. Scientists from the Princeton Plasma Physics Laboratory, a government-financed facility, will serve as part-time teachers in the new department.

In mathematics, Tulane University received a six-year grant of \$575,000 for development of its advanced graduate program. Most of the funds will be used to bring two visiting professors and three recent recipients of the doctorate to the mathematics department annually. Some of the younger scholars, who will teach part time, are expected afterward to join permanent faculties at Tulane and elsewhere.

A complete list of 1964 grants in the Science and Engineering program begins on page 128; projects, page 160; appropriations, page 102.

International Affairs

Four continuing objectives engaged the International Affairs program: the strengthening—through educational, scientific, and cultural programs—of American association with Europe and the developed countries of the Western Pacific; stimulation of the application of their resources for support of less-developed countries; the reduction of international tensions; and the advancement of American understanding and competence in world affairs.

Atlantic Cooperation

A number of grants were made to strengthen communication and the intellectual undergirding of Atlantic cooperation, on the assumption that such efforts are as vital during periods of setback as during rapid advances.

Under a grant to the Governmental Affairs Institute, thirty-five young parliamentary leaders from North Atlantic Treaty Organization nations came to the United States on a study tour to observe American institutions and policies intimately. The European legisla-

tors spent time at government agencies and met with Congressmen, other officials, and academic and community leaders. Also, a \$100,000 grant was made to Britain's Ditchley Foundation to increase American participation in studies at its conference center.

For research on the growing body of European antitrust law, much of which concerns competition and monopoly in the Common Market, a grant was made to the Association of the Bar of the City of New York. A resulting book will help American lawyers and businessmen overcome barriers of language and concept in understanding the subject.

Relations between France and the United States and tensions in the Atlantic area generally, constitute one focus of another grant. Work in this area, and on Europe's role in technical assistance to Latin America, will be conducted by the Study Center for International Relations at the Sorbonne. The center, a counterpart of leading American university international-studies groups, was given funds

through a grant to the National Foundation of Political Science.

In Canada, the Humanities Research Council and the Social Science Research Council received grants to strengthen Canadian scholarly resources in international relations and to encourage cooperation with similar groups in other countries.

The engagement of European university interest in teaching and research on Atlantic problems—a goal of the European Community Institute for University Studies, Brussels—was again supported. Since it was established in 1958 by leaders of the Common Market, the institute has aided universities in six countries, including England.

European Education, Research, and Culture

In Berlin, where the Foundation last year initiated a program to expand artistic, educational, and cultural resources, a \$500,000 grant was made to strengthen teaching, research, and administration at the Technical University of Berlin. The Massachusetts Institute of Technology will assist the Berlin institution and foster German-American scientific and educational cooperation through faculty exchange and other means. At the Free University of Berlin, the Foundation granted \$100,000 for the training of Latin-American scholars and experts in East European and Soviet studies. The Foundation continued to bring artists, composers, authors, and other cultural leaders to work in Berlin for extended periods. And funds were given to enable graduate students, artists, and professors from the Berlin Academy of Fine Arts to visit other West European countries and the United States.

European higher education is in a ferment—of expansion, re-examination of goals and traditional practices, and integration of new knowledge—reminiscent of the pressures on American universities in the last two decades. During the summer, the Foundation helped to

bring together leading European and American educators in Britain and Germany for a basic review of new developments and such problems as university autonomy and greater access to higher education.

Other educational activities included grants of \$280,000 to the University of Dublin for the Trinity College library and \$100,000 to the University of London for research and evaluation of the Pitman Initial Teaching Alphabet, an experimental method for improving reading skills for beginners.

Two grants were made to further understanding of international legal problems arising from growing multi-national arrangements and the independence of new nations. Funds were received by the British Institute of International and Comparative Law, for research fellowships, and by the University of Leyden, the Netherlands, for summer seminars (in cooperation with Columbia University) for European and American lawyers and students.

In the cultural field, the Foundation made grants to the International Musicological Society for completion of an extensive inventory of pre-nineteenth century musical literature and to the Shakespeare Institute of the University of Birmingham for strengthening of its research and advanced training.

The Western Pacific

Two grants totaling \$198,500 were made to strengthen educational resources in Japan. Teachers College, Columbia University, received funds for seminars in Japan and exchanges of educators to make available American experience relevant to changes taking place in Japanese primary and secondary education. A grant was made to a Japanese group, the American Studies Foundation in Tokyo, to distribute volumes selected from the White House Library List to selected Japanese universities and libraries.

Japanese and American intellectuals and

leaders of various fields met in Japan for roundtable discussions on such problems as disarmament and development assistance. The Foundation-assisted conference continued a dialogue that began in 1962 with a meeting at Dartmouth College.

Resources for Less-Developed Areas

The Asian Productivity Organization, located in Tokyo, received a \$320,000 grant to develop courses for specialists in small-scale business management in the organization's nine member countries. Companies with fewer than 100 employees represent a crucial sector in the industrial growth of most less-developed Asian nations.

Two grants totaling \$350,000 were made for activities aimed at increasing British participation in Latin-American development. St. Antony's College, Oxford University, a leading center of advanced international research, received funds for a new Latin-American studies program and joint activities with the Royal Institute of International Affairs. The institute itself received funds for a program to advance knowledge of the social and economic problems of Latin America among British scholars, businessmen, government officials, and other leaders.

Two previously assisted efforts made to strengthen the growth of a democratic press in the developing countries received additional funds. Columbia University was granted \$418,000 for a six-year program of seminars at the American Press Institute, New York, for foreign newspaper executives and staff, and a \$300,000 grant was made to the International Press Institute to continue basic courses at Nairobi and Lagos, in which journalists from seven African nations have participated.

For cooperative research and training on problems common to the European, Middle Eastern, and African countries bordering the Mediterranean, the Mediterranean Social Sci-

ences Research Council received a \$75,000 grant.

International Understanding

To help increase American understanding and participation in world affairs, the Foundation granted \$2 million to the Council on Foreign Relations for continued support over the next ten years. The funds will assist expansion of the number of its affiliated committees, located to date in thirty-three American cities, and strengthening of other activities that have helped deepen the international insights of American policy makers and interested citizens for more than forty years. These include meetings of American and foreign governmental leaders; senior fellowships for foreign-policy research; publications; and fellowships for American foreign correspondents.

The Committee for Economic Development received \$750,000 to expand its research on foreign economic policy and to assist joint projects with ten similar organizations of business leaders abroad. Under a 1961 grant, the committee's international studies have been useful to private and public agencies on such major issues as the Trade Expansion Act and the Alliance for Progress. The new funds will assist research on both industrialized and less-developed nations.

To encourage inter-American understanding, the Foundation granted \$175,000 to the Carnegie Endowment for International Peace for conferences of leaders in various fields in countries of the Western Hemisphere. Beginning in Cuernavaca in 1965, the meetings will be held over a five-year period under the title "Confrontations of the Twentieth Century."

To assist international scholarly meetings in the United States, the Foundation provided \$250,000. Since a similar grant in 1958, the United States has become a more frequent site for international congresses, and American scholars have been more active in the af-

fairs of international bodies. The American Council of Learned Societies and the Social Science Research Council administer the funds. Carnegie Hall International received \$165,000 for an exchange bringing young musicians from abroad to tour American colleges and universities and enabling American artists to take part in cultural festivals abroad.

The Foundation appropriated \$7.5 million for the construction of a building for the United Nations International School, a private institution that offers elementary- and secondary-school instruction, mainly for children of delegates and members of the Secretariat. The new structure is expected to be located at United Nations headquarters. Since the students come from more than 100 national systems of education, the school's program must cope with special problems of pupil adjustment and teacher training. With the new building, the school will become a center where experimental curricula and teacher-training methods may be demonstrated.

Western Relations with Eastern Europe

To foster improved educational, scientific, and cultural relations between Eastern Europe and the Atlantic community, the Foundation extended an exchange program of scholars and specialists begun in 1957. Support totaling

\$685,000 was provided for travel and study, primarily in the United States, by academicians and other intellectuals and public leaders from Hungary and Yugoslavia. Hungary, included for the first time, will receive American scholars and experts. The American Council of Learned Societies was granted \$100,000 to continue an exchange of scholars and experts with the Soviet Academy of Sciences. The funds brought to about \$4 million the total the Foundation has provided in the last seven years for travel and study in the West by East European scholars and experts and for lectures and research in Eastern Europe by eighty Americans; Yugoslav, Polish, and Soviet participation in the exchanges reached a total of 535 this year. Funds also supported American participation in the fourth of a series of conferences—held in Leningrad in 1964—between public leaders and intellectuals from the United States and the Soviet Union on major problems related to peace. Also, teams of Yugoslav specialists planning the redevelopment of the University of Skopje, destroyed in last year's earthquake, received assistance for consultations and study at American and West European universities.

A complete list of 1964 grants in the International Affairs program begins on page 131; projects, page 160; appropriations, page 102.

Population

Population Centers

The Foundation this year helped launch two new centers—at Johns Hopkins and Harvard Universities—for training and research related to fertility control. Grants were also made to strengthen institutions working on family planning, demography, and reproductive biology.

To help establish a division of population

dynamics within its School of Hygiene and Public Health, Johns Hopkins University received an \$800,000 grant. The funds (and an additional \$1.2 million required to match them) will be used over the next five years to double the number of graduate students majoring in work on family planning. Faculty members and research personnel will be added in demography and biostatistics, family-plan-

ning administration, social science, and physiology of fertility regulation. In 1964 the university awarded master's degrees for population studies to students from Korea, Pakistan, Thailand, Portugal, and the United States; while for the last four years it has conducted an action-research program in family planning in West Pakistan.

Harvard's Center for Population Studies—designed to serve as a focal point for biological and social scientists, public-health specialists, engineers, and scholars in the humanities—was granted \$550,000. The funds will be used for facilities and for planning of programs of teaching, long-term research, and action.

A primary objective of both centers is to train foreign teachers and officials who will instruct family-planning administrators in their countries.

The Population Council received a four-year grant of \$5 million, the fifth in a series totaling \$13.3 million since 1954. The council is a private organization that supports research and fellowships, sponsors international conferences, consults with governments on population matters, and maintains its own laboratories for bio-medical studies at the Rockefeller Institute. Besides its earlier work in developing training and research resources in basic demography and reproductive biology, the organization now increasingly assists on-the-scene programs designed to lower birth rates. It furnishes technical advice and experts for family-planning efforts in Pakistan and Tunisia that are assisted by the Foundation's Overseas Development program. (Grants related to population under that program, in Chile, the West Indies, India, Malaysia, and the Philippines, are described on pages 48, 57, 61, and 63.)

To strengthen the demographic capability of universities and government agencies in developing countries, thereby enabling them to better analyze their population problems, the

London School of Economics and Political Science received a \$240,000 grant. It will expand programs designed particularly for personnel from English-speaking countries in Africa and Asia—a one-year course in population statistics and analysis for government officials; two years of master's degree training for future teachers and researchers; and, for exceptional students, a three-year doctorate.

Reproductive Biology

With six grants totaling \$2,324,940 the Foundation continued efforts to draw more young scientists to the field of reproductive biology and to accelerate the pace of research designed to lead to practical results.

The Worcester Foundation for Experimental Biology, in Massachusetts, a leading research center, received \$1,450,000. The grant continues for six years the program in reproduction research and postdoctoral training for scientists started with Foundation assistance in 1960 by Dr. Gregory Pincus, a pioneer in the development of oral contraceptives. Funds are for staff salaries and fellowships, mostly for investigators from less-developed areas. Biologists and physicians from fifteen countries have so far received training and collaborated with Worcester staff members in fundamental research.

The University of Geneva received \$490,000 for a five-year program involving clinical research, studies in biochemistry and physiology of reproduction, and research on contraceptive use. Besides technicians' salaries, equipment, and the cost of additional hospitalization of patients for research purposes, the funds will be used to add five young scientists to the university's department of obstetrics and gynecology. Researchers will study possible effects of various methods of contraception on fetal abnormality and the physiological and psychological effects of contraceptive practice, including reasons men or women discontinue it.

Other projects are aimed at more accurate assaying of hormone excretion to predict ovulation, foreknowledge of which is important to those practicing the rhythm method of family planning.

A \$100,000 grant was made to the University of Lund, Sweden, for Dr. Lars Ph. Bengtsson's endocrinological research. He is investigating the physiological effects of devices inserted in the uterus to prevent impregnation. Because they are inexpensive, easily fitted, and may often be worn for several years, intrauterine contraceptives are attracting increased attention, through physiological research and extensive statistical trials. Scientists at the university hospital at Lund will study volunteers who have been fitted with several variations of intrauterine devices.

Harbor General Hospital, in Torrance (an affiliate of the University of California at Los Angeles), which also conducts investigation of the mode of action of intrauterine devices, received a new grant to enlarge a training program in reproductive biology for young post-

resident physicians and postdoctoral biology students.

To help support research directed by Dr. Samuel M. McCann, a pioneer in neuroendocrinology, the University of Pennsylvania received a \$122,300 grant. Dr. McCann and his associates are attempting to improve analysis of the several hormones secreted by the hypothalamus (a gland in the brain) that in turn activate or suppress other glandular regulators of ovulation. The research could improve understanding of precisely how oral contraceptives work. For another study of the role of the central nervous system in hormonal activity, the National Institute for Research in Dairying, in Reading, England, was assisted. The investigation involves studies with goats, whose neuroendocrine processes resemble the processes in humans more than those of common laboratory animals.

A complete list of 1964 grants in the Population program begins on page 135; projects, page 160; appropriations, page 102.

Overseas Development

The Foundation committed \$50 million for assistance in developing countries of Latin America and the Caribbean area, the Middle East and Africa, and South and Southeast Asia.

Grants to help establish and sustain institutions needed to train skilled manpower for these countries' long-term growth were made in the basic fields of agriculture, education, public administration, business and industry, family planning, and economic research. American universities and other cooperating institutions continued to play a major role by providing consultants and staff-training and research assistance for Foundation-financed projects overseas.

Latin America and the Caribbean Area

University development—the keystone to modernization of educational systems which have lagged behind advancing technology—was again the main focus of Foundation activity. Grants were made for faculty improvement, reform of curricula, and new methods of fund-raising and academic administration.

Major assistance in agriculture was given in Argentina, Chile, Colombia, Mexico, and the Dominican Republic, and support was provided in the fields of public administration and technical training.

Argentina. To help increase the number of Argentine agricultural specialists, the Foun-

dation granted \$500,000 to the National University of the South, located in the wheat- and meat-producing area of the pampas south of Buenos Aires. The funds will provide fellowships for faculty study abroad, in order to strengthen research, undergraduate teaching, and extension services.

Fellowships for teachers and educational administrators were provided by a \$550,000 grant to the National Council for Scientific and Technical Research. The council, which received earlier Foundation assistance for advanced study and research fellowships in the physical and social sciences, will make the new awards available to faculty members in education, the natural and social sciences, mathematics, and the humanities. The aim is to improve the over-all quality of the country's educational system.

The University of Buenos Aires, where the Foundation has helped develop a modern science department with full-time staff, received further assistance for a central science library and for terminal support of an experiment in closed-circuit television instruction.

To make available more books suitable for school and university use, the Foundation granted \$250,000 to Franklin Book Programs for technical assistance to the Argentine book-publishing industry, including editorial training, cooperative publishing efforts, and production of bibliographic and reference works.

For further assistance to Argentine industrial development, the Foundation granted \$288,500 to the Institute for the Development of Executives in Argentina, which conducts courses for mid-career businessmen. The funds will be used to improve its research capacity through staff training abroad and services of foreign specialists.

Continuing to support the development of private centers of social-science research, the Foundation granted \$263,000 to the Torcuato Di Tella Institute, which has received previous

assistance for economic studies, for a new center to work on problems of public policy and civil-service training.

Brazil. To help train young economists for work in the Northeast, the Foundation granted \$330,000 to the University of Ceara. The funds will provide the services of visiting professors, who will help reorganize the economics curriculum and help students qualify for advanced study overseas. For establishment of a center to improve secondary-school science teaching in the Northeast, the University of Recife received \$150,000.

For research and teaching materials on administrative problems of state and local government, the University of Bahía was granted \$132,400. The Getulio Vargas Foundation, which developed business-teaching materials under an earlier grant, received assistance for similar materials in public administration.

The University of São Paulo received \$177,000 for a closed-circuit television system by means of which basic courses can be taught to large numbers of undergraduates.

Central America. The Higher Council of Central American Universities received a further grant for its efforts to integrate higher educational planning so that Central American universities can share and make maximum use of their limited resources. In this context, a grant was made to the University of El Salvador for development of a basic sciences program. Similar grants were made to the Universities of Costa Rica, Honduras, and Nicaragua in previous years.

Chile. The University of Concepción received further assistance for its comprehensive program of academic reform through a \$782,600 grant to the University of Minnesota. The funds will help establish institutes in the social sciences and humanities for instruction of un-

degraduates in all branches of the university. Similar institutes have been set up in biology, chemistry, physics, and mathematics as the first stage of the reform program. The program includes fellowships abroad for young Chilean faculty members, exchange between the two universities, and library improvement.

The University of Minnesota also received \$518,100 to assist development of a modern agricultural-extension system in Chile. The grant covers technical libraries, consultants, and fellowships to train Chilean extension leaders abroad.

To improve teaching and research in sociology, the Pontifical Catholic University of Chile received \$380,000 for expansion of full-time faculty, visiting professors, and publications.

A total of \$777,250 was provided to develop a corps of high-level Chilean specialists in the planning and development of modern communities. The funds will bring consultants to help Chileans prepare a national plan for long-term growth of urban and rural areas and provide on-the-job training. Other consultants will help design ten experimental community centers—including housing, schools, hospitals, and other facilities—which will serve as prototypes for some 150 centers serving a million people. Grants for research assistance in Chile and training in the United States were made to Harvard and Rice Universities.

For expansion of technical education at Federico Santa Maria Technical University, the Foundation granted \$248,000 to the William Hood Dunwoody Industrial Institute.

A grant in the field of reproductive biology—the Foundation's first in Latin America—was made to the University of Chile. It will assist research and postgraduate training of scientists and other specialists.

Colombia. The Colombian Agricultural Institute, a national agency for improved agricultural teaching, research, and extension, re-

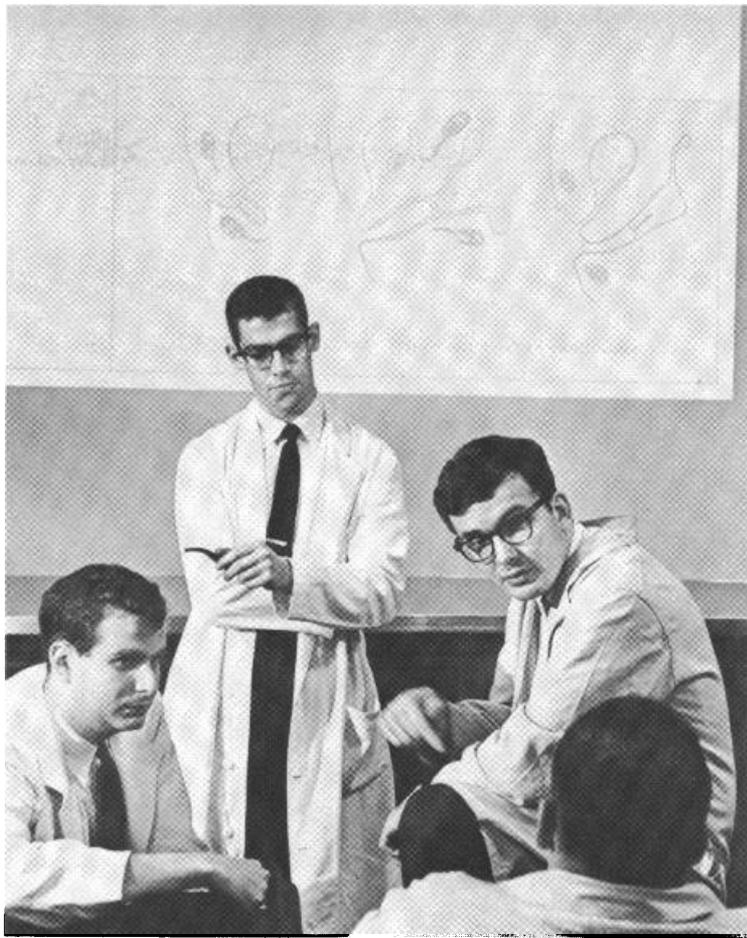
ceived \$410,000 for planning consultants, salary support, and a fellowship program to train its staff and strengthen agricultural faculties at other institutions.

The University of the Valley, which received previous assistance in setting up a general-studies program and improving secondary-school teaching in its region, was granted a total of \$1.6 million in 1964 for a program in industrial management, reform of its engineering curriculum, a new school of education, and establishment of a stronger administrative structure. To help prepare young managers for Colombia's expanding industry, the university will give special courses for executives, using studies of business firms as teaching materials, and a program for regular students leading to the master's degree in industrial administration. Grants for the university's faculties of engineering and education will provide consultants, fellowships, and equipment. In expectation of a sixfold enrollment increase—to 7,000—in the next ten years, aid was given for university planning, fund-raising, and exploration of the area's manpower needs. Another recipient of a grant for organization of a fund-raising program, over-all planning, and management was the University of the Andes.

A \$220,000 grant was made to the National University of Colombia for its graduate program in sociology. And to advance management education in Colombia, the Foundation provided \$195,900 for fellowships in the United States, mainly for study at the Massachusetts Institute of Technology. The objective is to help develop a core of professors of business management in the Colombian universities receiving Foundation support.

Mexico. Having last year aided establishment of a major agricultural center at Chapingo, near Mexico City, the Foundation granted an additional \$755,000 for an administration and extension building.

Population



Research Training in reproductive biology. Students and senior researchers at Jefferson Medical College, one of sixteen medical schools assisted in effort to meet shortage of population scientists.



Ovulation Study: Goats are used in research in England on the central nervous system's role in ovulation.



Family Planning: Field worker interviews mother in Taiwan, one of several areas where Population Council provides technical assistance in fertility control. Council received new \$5 million grant.

International Affairs



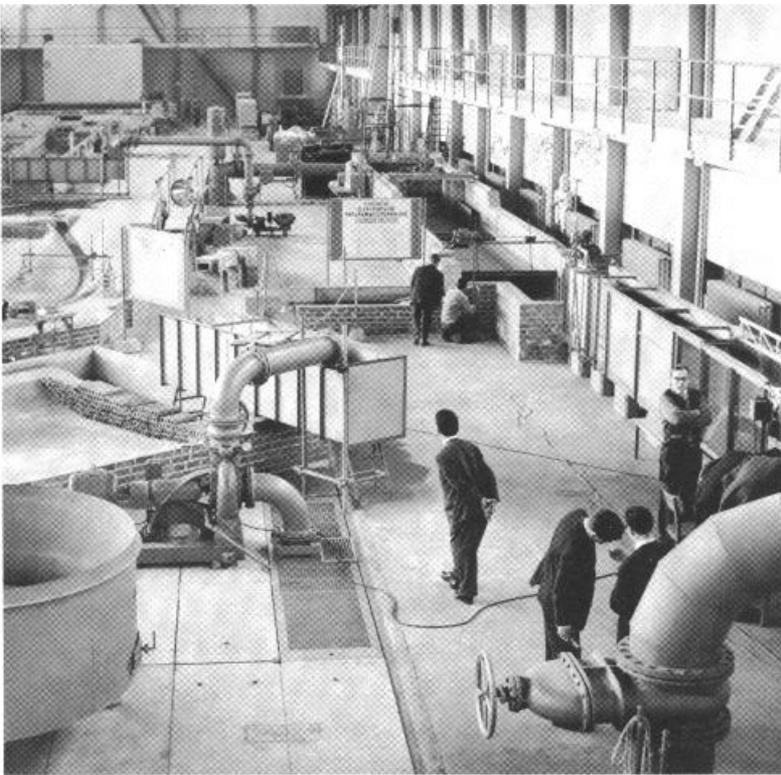
Above, group at Oslo center, one of several European centers assisted in teaching and research related to the United States.



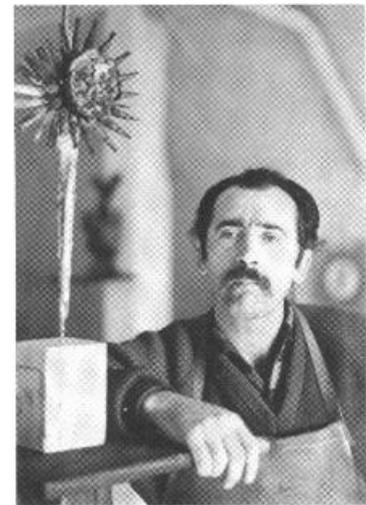
American Studies in Europe: Student at University of Oslo's America Institute views document and Franklin likeness.

Japanese Teachers of English attend class of English Language Education Council in Tokyo under program assisted by a grant.





Program in Berlin: Educational and cultural resources in the city received further assistance. The Technical University (above) is developing ties with Massachusetts Institute of Technology.



African Journalists study newspaper production in Nairobi pressroom during training program sponsored by International Press Institute with assistance from the Foundation.



James B. Conant (*top*) is Foundation adviser in Berlin on education.

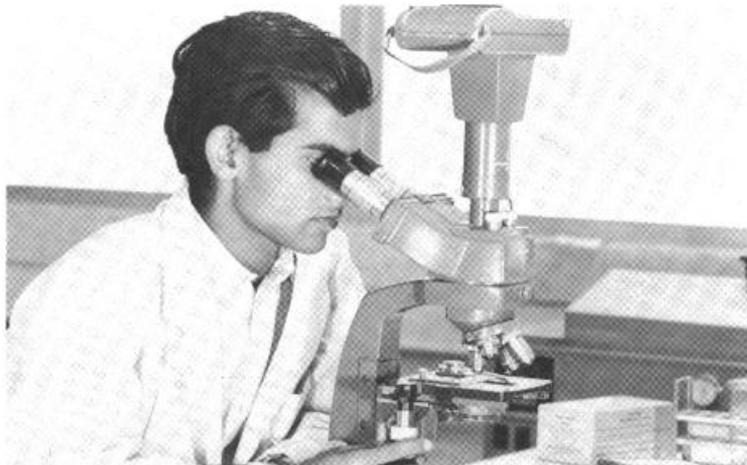
Mario Cravo, Brazilian sculptor, was enabled to work in Berlin.



Overseas Development

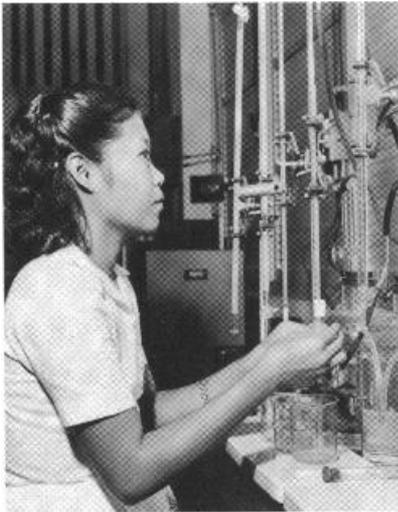
Better Farming Methods: Indian students (*left*) at Uttar Pradesh Agricultural University take soil samples. University received grant for farm-management training and research.

Family Planning: Doctor examines hormone slides at one of eleven Foundation-aided Indian centers doing research on reproductive biology.



Birth-control education was assisted in Singapore.





Agricultural Research: Student at University of Philippines College of Agriculture.

Right, tests at International Rice Research Institute, another grant recipient.



Urban Development in Pakistan: Market in a Karachi suburb where Foundation has supported pilot project in training of town planners.



Technical Training is supported by Foundation in Argentina, Chile, and Mexico. *Right*, student at Argentine automotive training school.



Science and Engineering: Mexico's National Polytechnic Institute received grant for graduate training.

University Development: Peru's National University of San Marcos (*below*) is among institutions receiving Foundation support for modernization through use of new administrative methods.



UNIVERSITY STUDENTS



University of the West Indies students. The university serves entire Caribbean area and has received Foundation aid in several fields.



Urban Development: Street in slum area in Chile, where Foundation supports training of specialists to combat depressed urban conditions.

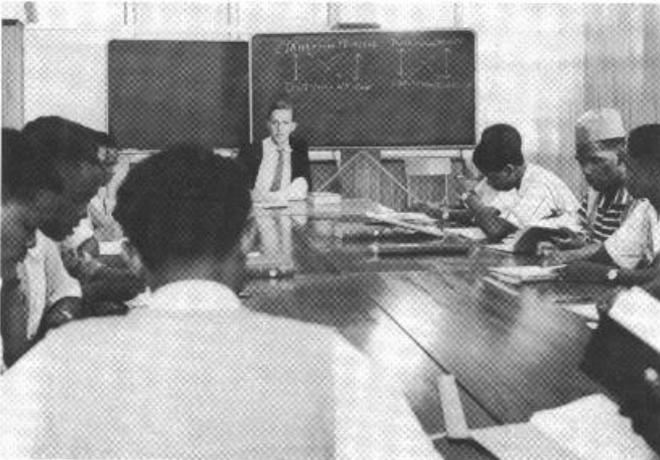
Middle East Science: President Kurdas of Technical University in Turkey shows model of campus.



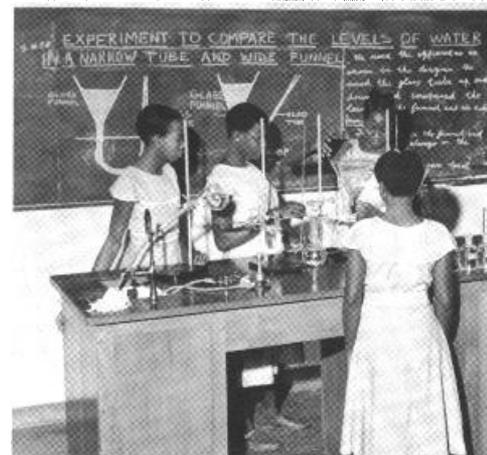


Education in Africa: School superintendent discusses problem with colleagues at Foundation-financed workshop in Kenya on staff development and human relations.

Legal Training is assisted at several African centers, like Tanganyikan unit of University of East Africa (*below*).



Science Teaching in secondary schools is supported in East and West Africa.



continued from page 48

Agricultural extension in the state of Nuevo León was supported by a grant to the Monterrey Institute of Technology and Advanced Studies. And in Northern Mexico the Foundation supported, through a grant to the University of Coahuila, an agricultural school to train young rural extension workers at the subprofessional level.

The Foundation also granted \$363,500 to the Autonomous University of Guadalajara, a private institution, for faculty and curriculum improvement, modernized administration, and fund-raising.

The National Polytechnic Institute received \$375,000 for development of its electrical- and chemical-engineering departments, which are helping train the teachers vital to Mexico's industrial expansion. In other efforts to strengthen the educational base for Mexico's technological development, the Foundation granted funds to Case Institute of Technology to provide science and engineering consultants to the Foundation's Mexico office, and made a grant of \$125,000 to the National Autonomous University of Mexico for improved civil-engineering training.

Peru. The National Engineering University, which prepares most of the country's engineers and architects, received \$570,000 for improved curriculum, staff, and equipment; technical assistance will be provided by the Mid-America State Universities Association. The National University of San Marcos was granted a total of \$805,500 for specialists in university administration from Indiana University, a general-studies program assisted by the University of Kansas, a graduate sciences program, and a university-wide language-teaching service beginning with English and Quechua, the principal Indian language of Peru.

Venezuela. To increase the number of full-time staff in the Faculty of Economics at the Catho-

lic University Andrés Bello, the Foundation granted \$341,000.

Caribbean Area. The University of the West Indies, which serves fourteen territories and an area stretching nearly 1,500 miles from British Honduras to Trinidad, received \$392,600 for help in decentralizing its activities by establishing university centers in the East Caribbean, for children's textbooks, and for planning graduate programs in economics, history, and management training.

The university also received grants totaling \$502,400 for training of public officials, for demographic research needed for education and development planning, for academic planning and staff development, and for a fertility study in Barbados, one of the most densely populated areas of the world.

In the Dominican Republic, the Foundation continued to assist agricultural education by providing specialists and equipment through a grant of \$387,600 to the Association for Development, a group of young business and agricultural leaders. A grant of \$547,500 was made to Texas A & M University for specialists and technical assistance to the association in setting up an agricultural research center. As a first step to improving agricultural marketing, a grant for teaching and research in that subject was made to the Catholic University Mother and Teacher. The Autonomous University of Santo Domingo received further support for its university reform commission.

The Middle East and Africa

In Africa, the Foundation expanded its efforts to help meet critical manpower needs by aiding education, public administration, legal studies, management training, and agriculture.

Grants in the Middle East concentrated on agriculture, economic development, public administration, and English-language training.

The Foundation supported regional foreign-

service training institutes—in Beirut, for Middle Eastern diplomatic officers; and at the University of East Africa, for African officials.

Following through the observations of a UNESCO conference on African higher education which stressed the need for African universities to share their resources more widely, the Foundation made a grant to the International Association of Universities for research on African academic cooperation. The study will examine university degree requirements, and will pay particular attention to such fields as medicine and agriculture, where cooperation is most urgent.

A \$400,000 grant was made to enlist the University of Michigan's Center for Research on Economic Development as a resource for consultation, training, and staffing of the Foundation's African projects. The center will study the development process and will conduct a seminar on development problems for visiting African specialists.

For the fifth year, the Massachusetts Institute of Technology received funds for fellowships designed to recruit young Americans for service with African governments. Thirty-four fellows from business and law schools have served so far (mainly in Nigeria and East Africa) in ministries of finance, justice, commerce, industry, and economics, in development banks, and in similar posts.

Educational Services Incorporated, which is now experimenting with a new elementary mathematics course developed with Foundation support for use in Africa, received a grant to develop materials in elementary science.

The Foundation established on a regular basis a program of workshops which have been held in East and West Africa in such fields as public administration, management training, and the teaching of English. The workshops are short, intensive courses for small groups of trainees who cannot take much time from their jobs.

West Africa. In a major effort to strengthen education in Northern Nigeria, where presently only one child in seven attends primary school, the Foundation granted \$2,110,000 for a teacher-training program at seven colleges. This will include testing and demonstration of such modern instruction methods as team teaching, programmed learning, and language laboratories. Thirty-two consultants will take part in the project, which aims at graduating 8,000 primary-school teachers over four years, thus doubling the present supply; training 300 teachers for teachers' colleges; introducing a new curriculum into both the training colleges and the whole primary system; and revising curriculum and teaching methods at the secondary level.

The Foundation granted \$330,000 to Ahmadu Bello University for development as a leading institution in Nigeria's predominantly Moslem and agricultural Northern Region. The grant will support research and training in rural economics and provide books in Arabic and scholarly works on Islam for the university's Center of Islamic Studies at Kano. As a first step in helping the region improve the number and competence of craftsmen in such fields as automobile repair, building and carpentry, and furniture-making, the Foundation assisted a pilot apprentice-training project at Kaduna.

Having helped establish institutes of public administration in three regions of Nigeria, the Foundation this year made grants in Eastern Nigeria for the expansion of schools of management and civil-service training, and in the Northern Region for more in-service training of civil-service officers, statisticians, and secretarial help. English-language training at civil-service centers in each region was supported through grants to Southern Illinois University totaling \$640,000.

A grant of \$365,000 was made to Franklin Book Programs to help develop an indigenous

publishing industry in Nigeria—which has the largest book-reading public in Africa—and improve the supply of books in key subjects.

Having assisted rural development in Eastern Nigeria last year, the Foundation granted \$330,000 for expansion of rural training in the Midwestern Region. Funds will support training for farm leaders and extension supervisors at farms for young school graduates. The project includes development of a model farm.

Other grants were made to the University of Nigeria for its Faculty of Education, including support for a project in technical education; for the university's Economic Development Institute; to the Nigerian Ministry of Finance, for manpower consultants, research, and an international seminar on manpower problems; to the West African Examinations Council, for development of new tests in technical and commercial subjects; and to the Nigerian Institute of Management, a private institution with members from 300 companies, for seminars and publications.

Of significance to all cocoa-producing countries was a grant for analysis of research data accumulated over ten years on cocoa production in the Cameroun.

In Ghana, the Foundation continued to supply manpower specialists, this year in office training, and assisted a training school and workshop for playwrights at the University of Ghana.

To provide basic material for government planning in Senegal, the Foundation supported research in industrial investment and public finance through a grant to the Institute of Applied Economics, Paris, which has an office in Dakar.

Central Africa. In the Congo, the Foundation gave further support to institutions it has assisted since the early days of the country's independence. Lovanium University, which has provided virtually all the basic data needed by

international agencies concerned with restoring the country's economic stability, received \$330,000 for its Institute of Social and Economic Research. The National School of Law and Administration, whose first graduating class entered public service this year, was granted \$285,000 to continue its training in law and public administration.

In Zambia, formerly Northern Rhodesia, the Foundation assisted the training of magistrates and local court officers at the Staff Training College at Lusaka. In Southern Rhodesia, a further grant was made to the University College of Rhodesia and Nyasaland, to enable forty African students to take a preliminary course qualifying them for college entrance.

East Africa. The University of East Africa, whose development as a federal institution serving Kenya, Tanganyika, and Uganda the Foundation has materially assisted since 1962, received a \$478,000 grant. The new funds will be used for teaching materials suited to African conditions, appointment of Africans to more administrative posts, and recruitment of foreign staff to serve until more Africans are trained. The university was also granted \$382,050 for law-faculty buildings at Dar es Salaam, one of its three constituent colleges, and for seminars on legal problems related to development.

The Foundation provided funds for consultants in education and vocational training, including a planning officer and examination specialist for the University of East Africa, an education consultant for the Kenya government, technical-training experts for the Tanganyikan government, and a personnel specialist for East Africa.

In Tanganyika, which is embarking on a large-scale village-resettlement program, the Foundation made a grant for assistance from Syracuse University in evaluating the progress of the initial settlements. Support was also

given for English-language training at a civil-service training center originally set up with Foundation help. The center has now developed effective courses in office management, accounting, and other subjects.

The Foundation made further grants for the development of Ethiopian faculty at the Haile Selassie I University law school, which is still staffed by foreign personnel.

North Africa. With grants totaling \$571,700, the Foundation helped the Algerian Civil Service Commission set up and develop a national school of administration for the training of civil-service officials. Short-term courses were begun early in the year at centers in Algiers, Constantine, and Oran, and longer courses for top-level officials have been scheduled. To help build up the University of Algiers library, destroyed by fire in 1962, the Foundation granted \$132,500.

In Tunisia, the Foundation made a further grant of \$352,500 to strengthen the English-language teaching program at the Bourguiba Institute of Languages. The funds will be used for teacher-training in Britain and the United States, summer sessions for present teachers, and books and equipment.

United Arab Republic. In the Aswan Governorate, where completion of the High Dam is expected to lead to year-round agricultural cultivation and growth of new industry, the Foundation granted \$600,000 to help set up centers to experiment with new crops in the reclaimed area, and to study mineral resources, industrial possibilities, and manpower. The Foundation also supported an executive conference program to provide three-week courses and evening sessions for top government officials. And a grant was given for the Ministry of Education's Linguistic Unit, which, with American university assistance, trains English-language teachers.

Iraq, Jordan, Lebanon, Saudi Arabia, Syria. Syria's University of Aleppo received further support for its Faculty of Agriculture, which now has some 375 students and graduated its first class in 1964. A \$600,000 grant was made for facilities at a demonstration farm and also to help establish a university science faculty.

In other agricultural activities, the Foundation provided consultants on a regional basis and in Lebanon for research, extension, and farm management.

Foundation assistance in the area also included further support in Iraq of Baghdad College's English-language program, provision of consultants in public administration in Lebanon and economic development in Syria, and summer programs in economic development and budgeting for government officials. Additional consultants were provided for the Saudi Arabian government's effort to improve civil-service performance in office management, personnel policies, training, budgeting, and accounting practices, and also in general administrative organization and procedure.

Turkey. To help develop the Middle East Technical University, where the Foundation has previously supported graduate programs in mathematics and the physical sciences, grants were made to improve the teaching of English, the language in which instruction is given, and to establish a computer center.

A grant of \$250,000 was made to the Scientific and Technical Research Council of Turkey to provide science fellowships abroad. The Economic and Social Studies Conference Board, which brings Turkish business, university, and government leaders together to discuss development problems, received a grant for simultaneous translation facilities.

South and Southeast Asia

The Foundation continued to assist key development institutions in five countries of this

region—India, Pakistan, Indonesia, Malaysia, and the Philippines, where a representative's office was opened this year.

India. Implementing a \$5 million program begun in 1962 to help India reduce its birth rate through intensified family planning, the Foundation granted \$1,246,000 to help five states organize intensive district projects and to assist the central government in setting up a national institute of family planning and an institute of health administration and education. The institutes will be concerned with strengthening the technical content of India's family-planning program and training specialized personnel. Work on family planning in rural communities is being carried out at Gandhigram in Madras, which was granted funds this year to prepare teachers who will train family-planning and health workers.

A third grant in the field of family planning was made to help the Indian government improve collection and analysis of birth and death statistics, so that the progress of family-planning projects can be more effectively measured. The funds will be used to organize a central unit for research and training in collection of population statistics and to establish pilot research units in seven states. The American Public Health Association, with Foundation support, will recruit family-planning specialists for work in India and arrange for training of Indian specialists in the United States.

Supplementing an earlier series of grants in India for research and training in reproductive biology, the Foundation this year assisted the Institute of Obstetrics and Gynecology in a clinical-testing program designed as a bridge between research and field application of new contraceptive devices. The institute, at Madras, will expand its research to include such fields as the applicability of intrauterine devices to Indian conditions, voluntary female

sterilization techniques, and the immunological aspects of reproduction.

Extending its efforts to help India improve food production, the Foundation made two grants, totaling \$1,012,000, for the training of agricultural engineers, who are needed to make and demonstrate better implements and power tools, improve irrigation and drainage systems, and design other farm facilities. One grant went to Ohio State University to help the Punjab Agricultural University establish an undergraduate college of agricultural engineering, and the other to North Carolina State for assistance to the Indian Institute of Technology at Kharagpur. The Foundation also continued to support an agricultural-implements center at the Allahabad Agricultural Institute. The center, which has concentrated on improving seeding, fertilizer, and threshing operations and on increasing the efficiency of animal power, will undertake a tractor-design program tailored to the needs of farmers operating five to twenty acres.

To enable India's growing body of researchers in demography, agriculture, economics, and related fields to make increased use of data analysis techniques, \$1,445,000 was granted for establishment of four electronic computing centers, each of which will serve a number of institutions assisted by the Foundation.

In management training, the Foundation made grants to the Administrative Staff College of India and the Institutes of Management at Ahmedabad and Calcutta. The staff college, which has conducted management courses for nearly 1,000 executives since 1957, will use its new grant of \$800,000 for development of a research and consultation unit on management problems. The Ahmedabad institute, which emphasizes postgraduate business education, will use its grant of \$1,070,000 for consultants from Harvard University, staff study, and fellowships for Indian businessmen at Harvard. The Calcutta institute received \$300,000 for

acquisition of land for a new campus. Another grant was made to improve the effectiveness of the government employment service through staff training and research on manpower problems. And the Foundation provided funds for staff training and consultants to help with the planning of the newly chartered Birla Institute of Technology and Science, a private institution which will be modeled on leading American institutes of technology.

The Government of West Bengal, which since 1961 has received Foundation assistance for establishing the Calcutta Metropolitan Planning Organization, is now placing increased emphasis on regional planning. Funds were provided this year for regional planners to help the C.M.P.O. cooperate with neighboring states in improving conditions in outlying metropolitan centers to help stem the flow of population into Calcutta. The Foundation also supplied additional consultants to the C.M.P.O. in public administration, law, and community services, and construction experts for an experimental rehousing project for slum dwellers.

A grant of \$536,000 was made to help set up a Chinese-studies center at the University of Delhi. The funds will be used for intensive language courses, visiting professors, and fellowships for faculty-training abroad.

The University of Baroda, which now has about 500 students training to be teachers for home-economics colleges, received further assistance for postgraduate training and research in such fields as nutrition, home management, and textile production.

Pakistan. Extending its assistance to small industry, on which Pakistan is relying increasingly for its industrial expansion, the Foundation granted \$536,000 to Stanford Research Institute for strengthening of the East Pakistan Small Industries Corporation. The grant

will support studies of industrial problems and provide advisers to help establish a technical-services center.

Through a further grant of \$1,322,000 to Oklahoma State University, the Foundation continued to support Pakistan's polytechnic and home-economics education programs. Three technical institutes supported by the Foundation over the past ten years—at Karachi, Dacca, and Rawalpindi—now graduate 1,000 students annually. The new grant will help Pakistan plan for twenty-five more institutions and multiply technician output tenfold by 1970. The grant will also provide advisers for home-economics colleges at Karachi, Lahore, and Dacca, provide fellowships for study abroad, and help equip a teaching-materials laboratory at each college.

Pakistan's education-extension program and student-teacher centers, which have developed through six years of Foundation support, received further assistance through a grant to the University of Chicago. The in-service teaching centers will be extended to Pakistan's entire education system, and student-teacher centers, now at two universities, will be set up at eight others.

A grant was made for establishment of a center in East Pakistan to test and produce science and mathematics teaching equipment, following assistance for a similar center in West Pakistan last year.

The Institute of Development Economics, which has done important research on development policies and problems, received further assistance for consultants, doctoral fellowships, and in-service training through a grant to Stanford University.

Through a grant to Syracuse University, the Pakistan Administrative Staff College received additional support. During four years of operation, the college has provided training for senior administrators from public agencies and private industry.

A Foundation-supported program of agricultural development through cooperatives, at Comilla, in East Pakistan, received further assistance. The central government has used the Comilla demonstration as a basis for a province-wide program of local public works (chiefly dikes, roads, and irrigation ditches), and is extending other components of the program beyond the pilot area.

Indonesia. To strengthen institutions the Foundation has fostered since 1956 in the fields of English-language training and teacher education, a further \$1,275,000 was granted. The Research Foundation of State University of New York will use the funds to help the faculties of education at Bandung, Malang, and Medan develop curriculum and staff at several smaller teacher-training institutions, principally in the outer islands. A further grant was also made for development of English-language teaching materials at the upper secondary-school level.

Malaysia. Consultants were provided for Malaysia's central development office and selected ministries to help the country prepare its development program.

To improve research capacity in economics at the University of Singapore, the Foundation granted \$583,000. The funds will be used by the university in the establishment of a center which will deal with questions of demography and manpower, foreign trade and economic integration, and industrialization.

In Singapore, where the rate of population growth—nearly 4 per cent a year—is one of the world's highest, the Foundation provided funds to help the Family Planning Association build and equip a model clinic and training center. The association will also use part of its grant to expand its training program for nurses, midwives, and other clinical, research, and field workers.

Philippines. An additional \$800,000 was granted to the International Rice Research Institute, established jointly by the Ford and Rockefeller Foundations in the Philippines in 1960 to develop and test high-yield varieties of rice. The new funds provide continued support for cooperative research with other Asian agencies and training of Asian research personnel. The institute, which houses some fifty scholars from other rice-growing countries at any one time, has now held five major symposia on rice problems, and has helped test improved varieties of the plant for use in South and Southeast Asia, Africa, and Latin America.

To help strengthen the social sciences at the University of the Philippines, the Foundation granted \$377,500 for library development and \$208,500 to help establish a Population Institute. The University of Chicago will provide consultants to the institute and fellowships for faculty training.

For improved language research and training in the Philippines—whose educational problems are complicated by the use of the national language, known as Pilipino, two "second" languages (English and Spanish), and many regional languages—the Foundation granted \$312,000 to the Philippine Normal College. The funds will be used for faculty development in linguistics, fellowships abroad, and exchange fellowships with the University of California (Los Angeles).

To help upgrade school science teaching, the Foundation granted \$310,000 to the University of the Philippines for the improvement of science curricula at teacher-training institutions and for development of courses and instructional materials.

A complete list of 1964 grants in the Overseas Development program begins on page 137; projects, page 160; appropriations, page 102.

Fellowships

Business Administration and Economics

The following were recipients of three types of fellowships in business administration and economics during fiscal 1964. Candidates were nominated by universities at the invitation of the Foundation, and selections were made with the assistance of advisory committees of faculty members. For the fellowships, the Foundation made grants totaling \$1,518,468 to forty-seven universities, under which the 185 recipients are listed. Included were supplemental funds totaling \$268,000 to thirty participating universities to accelerate the completion of work by doctoral students. Except as otherwise noted, the listed universities are also the nominating institutions and the places where the recipients will work.

Doctoral: *To graduate business students for doctoral study and dissertation research.*

British Columbia, University of

Peter A. Lusztig, *Vancouver, B.C., Canada*
(*For study at Stanford University*)

California, University of (Berkeley)

Hans G. Daellenbach, *Berkeley, Calif.*
Gerald A. Feltham, *Edmonton, Alb., Canada*
Robert F. Minnehan, *Berkeley, Calif.*
Gerald L. Rose, *Berkeley, Calif.*
Nicholas Zvegintzov, *Berkeley, Calif.*

California, University of (Los Angeles)

Nils H. Hakansson, *Los Angeles, Calif.*
William A. Jordan, *Los Angeles, Calif.*

Carnegie Institute of Technology

David M. Ahlers, *Eaton, Ohio*
(*Nominated by University of Washington*)
Wallace B. S. Crowston, *Pittsburgh, Pa.*
Edwin J. Elton, *Milwaukee, Wis.*
Fred W. Glover, *Independence, Mo.*
Jerome E. Hass, *Minneapolis, Minn.*
(*Nominated by University of Pennsylvania*)
David Klahr, *Stamford, Conn.*
Howard W. Pifer III, *Pittsburgh, Pa.*
L. Winston Ring, Jr., *Pittsburgh, Pa.*
Wesley L. Weber, *Pittsburgh, Pa.*
Glenn T. Wilson, *Pittsburgh, Pa.*
Stanley Zions, *Pittsburgh, Pa.*

Chicago, University of

Harvey Babiak, *Vancouver, B.C., Canada*
(*Nominated by University of Western Ontario*)
William H. Beaver, *Hammond, Ind.*
Philip R. Brown, *Marrickville, N.S.W., Australia*
Joel S. Demski, *Pinconning, Mich.*

Melvin N. Greenball, *Chicago, Ill.*

Stephen E. Livernash, *Cambridge, Mass.*

Vahe Nalbandian, *Arlington, Mass.*

Frederick L. Neumann, *Chicago, Ill.*

Francis J. Nourie, *Chicago, Ill.*

Donald E. Sexton, Jr., *Wethersfield, Conn.*

William R. Waters, *Toronto, Ont., Canada*

Robert W. Williamson, *Downers Grove, Ill.*

Robert L. Winkler, *Chicago, Ill.*

David A. Wrend, *Chicago, Ill.*

Columbia University

David S. Abrams, *Great Neck, N.Y.*

Richard C. Aspinwall, Jr., *New York, N.Y.*

George S. Day, *London, Ont., Canada*

(*Nominated by University of Western Ontario*)

Irwin Gray, *Jamaica, N.Y.*

Carl C. Greer, *Forest Hills, N.Y.*

John S. Hoagland, *Wharton, N.J.*

Ronald I. Simon, *New York, N.Y.*

Neil S. Weiss, *Flushing, N.Y.*

Cornell University

James V. Davis, *Detroit, Mich.*

(*Nominated by Vanderbilt University*)

Duquesne University

Daniel M. Poore, *Pittsburgh, Pa.*

(*For study at University of Pittsburgh*)

Harvard University

O. Lee Bodenhamer, *Fayetteville, Ark.*

(*Nominated by University of Arkansas*)

John F. Graham, *Kingsville, Ont., Canada*

Irving H. LaValle, *Brighton, Mass.*

William B. Little, *Victoria, B.C., Canada*
 Robert E. M. Nourse, *London, Ont., Canada*
 (Nominated by University of Western Ontario)
 George Schussel, *Los Angeles, Calif.*
 Louis T. Wells, Jr., *Atlanta, Ga.*

Indiana University

Victor E. Childers, *Rutledge, Mo.*
 Charles W. Dane, *Corvallis, Ore.*
 Paul V. Daverio, *Bloomington, Ind.*
 John R. Grabner, Jr., *Bloomington, Ind.*
 Neil D. Holden, *Cleveland, Ohio*
 John M. Munro, *Vancouver, B.C., Canada*
 Urban B. Ozanne, Jr., *Seattle, Wash.*
 James K. Pinney, *Bloomington, Ind.*
 Donald R. Plane, *Bloomington, Ind.*
 Shannon P. Pratt, *Portland, Ore.*
 (Nominated by University of Oregon)
 Lee A. Tavis, *Palo Alto, Calif.*

Massachusetts Institute of Technology

Gary L. Bergstrom, *Chicago, Ill.*
 Mahesh Bhogilal, *Bombay, India*
 James F. Burns, *Cincinnati, Ohio*
 Michael M. Gold, *Newport, R.I.*
 John R. M. Gordon, *Calgary, Alb., Canada*
 (Nominated by Queen's University)
 Warren H. Hausman, *New Britain, Conn.*
 William W. McKelvey, *Little York, Ill.*
 Kenan E. Sahin, *Aydin, Turkey*
 James A. F. Stoner, *Fort Lauderdale, Fla.*

Michigan State University

Victor M. Cushing, *Beaver Falls, N.Y.*
 (Nominated by Indiana University)
 Allan D. Dale, *East Lansing, Mich.*
 Geraldine F. Dominiak, *Detroit, Mich.*
 David A. Drinkwater, *Chelsea, Mass.*
 John G. Maurer, *Detroit, Mich.*
 Richard A. Stevenson, *Newark, N.Y.*
 (Nominated by Syracuse University)

Michigan, University of

Douglas B. Brown, *Royal Oak, Mich.*
 Arthur E. Carlisle, *Ann Arbor, Mich.*
 Arthur X. Deegan II, *Livonia, Mich.*
 (Nominated by University of Detroit)

Minnesota, University of

Richard G. Woods, *Minneapolis, Minn.*

New York University

Isabel V. Sawhill, *New York, N.Y.*

North Carolina, University of

Donald L. Tuttle, *Miami, Fla.*

Purdue University

Donald B. Rice, Jr., *West Lafayette, Ind.*

Rensselaer Polytechnic Institute

Edward J. Cherian, *Averill Park, N.Y.*

Southern California, University of

Robert A. Richardson, *Alhambra, Calif.*

Stanford University

Donald Erlenkotter, *Kentfield, Calif.*
 Jack E. Gaumnitz, *Stanford, Calif.*
 John R. Kennedy, *Mountain View, Calif.*
 John L. Livingstone, *Stanford, Calif.*
 Daniel L. McDonald, *Vancouver, B.C., Canada*
 (Nominated by University of California, Berkeley)
 Stewart C. Myers II, *Sedgfield, N.C.*
 John P. Seagle, *San Antonio, Tex.*
 Edwin V. Zschau, *Los Altos, Calif.*

Texas, University of

Everett G. Dillman, *Albuquerque, N.M.*
 Gordon L. Nielsen, *Tucson, Ariz.*
 Edward L. Summers, *Houston, Texas*

Washington, University of

Anthony D. D. Birch, *Seattle, Wash.*
 J. Dale Molander, *Seattle, Wash.*
 Fred W. Plotke, *Seattle, Wash.*

Dissertation: *To enable doctoral candidates in economics to devote a full year to the writing of their dissertations.*

Brown University

Keith A. J. Hay, *Ida, Ont., Canada*

Bucknell University

David E. Horlacher, *Milton, Pa.*
 (For study at University of Pennsylvania)

California, University of (Berkeley)

Robert S. Holbrook, *Berkeley, Calif.*
 Richard W. Parks, *Berkeley, Calif.*
 Calvin D. Siebert, *Walnut Creek, Calif.*

Carnegie Institute of Technology

Dale T. Mortensen, *Pittsburgh, Pa.*

Chicago, University of

Giorgio G. Basevi, *Genoa, Italy*
 Ehsan U. Choudhri, *Bahawalpur, Pakistan*
 Victor J. Elias, *Tucumán, Argentina*
 Michael P. Lynch, *Chicago, Ill.*
 Ronald P. Moses, *Montreal, B.C., Canada*

Columbia University

Barry R. Chiswick, *Brooklyn, N.Y.*
 Dean W. Morse, *New York, N.Y.*
 Raymond A. Piccini, *New Hyde Park, N.Y.*

Dartmouth College

Ian A. Stewart, *Hanover, N.H.*
 (For study at Cornell University)

Duke University

Thomas E. Borcharding, *Cincinnati, Ohio*

Florida, University of

Roy W. Niemela, *Gainesville, Fla.*
 (For study at Massachusetts Institute of Technology)

Hartford, University of

Frederick V. Loud, *Hartford, Conn.*
 (For study at Columbia University)

Harvard University

Raymond Lubitz, *New York, N.Y.*
 Richard J. Zeckhauser, *Great Neck, N.Y.*

Manhattan College

Vernon J. Dixon, *Bronx, N.Y.*
 (For study at Fordham University)

Massachusetts Institute of Technology

Fred D. Arditti, *Long Beach, N.Y.*
 T. Paul Schultz, *Chicago, Ill.*

Michigan State University

Francis H. Woehrling, *East Lansing, Mich.*

Michigan, University of

Muriel J. Converse, *Ann Arbor, Mich.*
 Jane A. Lean, *Ann Arbor, Mich.*
 Gordon R. Sparks, *Ann Arbor, Mich.*

Minnesota, University of

Donald W. Katzner, *Baltimore, Md.*

Northwestern University

Irving N. Fisher, *Evanston, Ill.*

Oregon, University of

Edward M. Syring, Jr., *Eugene, Ore.*

Princeton University

Charles E. McLure, Jr., *Van Horn, Texas*

Rochester, University of

Hiroshi Atsumi, *Rochester, N.Y.*
 Vikaschandra S. Chitre, *Rochester, N.Y.*

San Fernando Valley State College

Selig D. Lesnoy, *Northridge, Calif.*
 (For study at University of Michigan)

Southern Methodist University

Michael C. McCracken, *Houston, Texas*

Stanford University

George D. Green, *Daly City, Calif.*
 Paul A. Meyer, *San Antonio, Texas*

Syracuse University

Donald N. DeSalvia, *Syracuse, N.Y.*

Texas, University of

Uwe J. Woltemade, *Austin, Texas*

Virginia, University of

Charles R. Plott, *Frederick, Okla.*

Wisconsin, University of

Leung-Chuen Chau, *Hong Kong*
 Joseph L. Midler, *Madison, Wis.*

Yale University

Noel M. Edelson, *Longmeadow, Mass.*
 Koichi Hamada, *Kamakura, Japan*

Faculty Research: *Fellowships to faculty members in business, economics, government, and psychology for research on economic and business problems.*

Brown University

Mark B. Schupack, *Providence, R.I.*

California, University of (Berkeley)

David A. Alhadeff, *El Cerrito, Calif.*
 Bernard Saffran, *Berkeley, Calif.*

California, University of (Los Angeles)

Jack Hirshleifer, *Pacific Palisades, Calif.*

Carnegie Institute of Technology

William R. Dill, *Pittsburgh, Pa.*
 Michael C. Lovell, *Pittsburgh, Pa.*

- Chicago, University of
Donald V. T. Bear, *Chicago, Ill.*
Arnold R. Weber, *Chicago, Ill.*
- Cornell University
Tom E. Davis, *Ithaca, N.Y.*
- Duke University
Juanita M. Kreps, *Chapel Hill, N.C.*
- Harvard University
Albert O. Hirschman, *New York, N.Y.*
(Nominated by Columbia University)
- Hawaii, University of
Harry T. Oshima, *Honolulu, Hawaii*
- Illinois, University of
Harry C. Triandis, *Champaign, Ill.*
- Indiana University
Gerald C. Fischer, *Buffalo, N.Y.*
- Massachusetts Institute of Technology
Louis Lefebvre, *Cambridge, Mass.*
Zenon S. Zannetos, *Winchester, Mass.*
- Massachusetts, University of
Pao Lun Cheng, *Amherst, Mass.*
- Michigan, University of
Robert M. Stern, *Ann Arbor, Mich.*
- Minnesota, University of
Marvin D. Dunnette, *Minneapolis, Minn.*
Walter W. Heller, *Minneapolis, Minn.*
Robert J. Holloway, *St. Paul, Minn.*
Norman J. Simler, *St. Paul, Minn.*
- Northwestern University
Philip Kotler, *Chicago, Ill.*
Leon N. Moses, *Evanston, Ill.*
- Oregon, University of
David A. Baerncopf, *Eugene, Ore.*
- Pennsylvania State University
Ralph L. Day, *State College, Pa.*
- Pennsylvania, University of
Wilfred Malenbaum, *Merion Station, Pa.*
Douglas W. Vickers, *Norristown, Pa.*
- Pittsburgh, University of
Philip Ross, *Pittsburgh, Pa.*
- Princeton University
Lester V. Chandler, *Princeton, N.J.*
- Purdue University
Charles R. Carr, *West Lafayette, Ind.*
Nathan Rosenberg, *Lafayette, Ind.*
- Research Foundation of State University of
New York
Ching-wen Kwang, *Williamsville, N.Y.*
- Rochester, University of
Edward Zabel, *Rochester, N.Y.*
- Stanford University
Emile Despres, *Portola Valley, Calif.*
- Texas, University of
F. Ray Marshall, *Austin, Texas*
- Texas Western College
Clyde J. Wingfield, *DeKalb, Ill.*
(Nominated by Northern Illinois University)
- Washington, University of
Edward J. Chambers, *Seattle, Wash.*
M. Bruce Johnson, *Seattle, Wash.*
- Wisconsin, University of
William Beranek, *Madison, Wis.*
John M. Culbertson, *Madison, Wis.*
- Yale University
William J. Fellner, *New Haven, Conn.*

International Training and Research

Seven postdoctoral fellowships were awarded during fiscal 1964 to faculty members at universities in the United States—scholars in sociology, history, political science, and geography—for research in Latin America over a two-year period.

- William M. Denevan, *Madison, Wis.*, University of Wisconsin
Richard R. Fagen, *Stanford, Calif.*, Stanford University
Harold B. Johnson, Jr., *Palm Springs, Calif.*, Yale University
- Herbert S. Klein, *Chicago, Ill.*, University of Chicago
Neill W. Macaulay, Jr., *Gainesville, Fla.*, University of Florida
Roger Walker, *St. Louis, Mo.*, Washington University
Maurice Zeitlin, *Madison, Wis.*, University of Wisconsin

The Arts

The following recipients of fellowships during fiscal 1964 were nominated at the invitation of the Foundation by persons professionally engaged in the field concerned. Selections were made with the assistance of panels of judges.

Administrative Interns: *Fellowships to assist the development of managerial personnel in the performing arts through internships with theaters, orchestras, and opera and ballet companies.*

Recipient

Judith A. Blaumanis, *Buffalo, N.Y.*
 Joanne C. Combs, *Kettering, Ohio*
 Joyce O. Cross, *Faribault, Minn.*
 Peter F. Donnelly, Jr., *Lynn, Mass.*
 Noel S. Dowling, *Brooklyn, N.Y.*
 Robert C. Feingold, *Chicago, Ill.*
 David Tausig Frank, *Harrisburg, Pa.*
 John E. Gibbens, *Eugene, Ore.*
 Norman R. Gregory, *Paoli, Ind.*
 Robert E. Gustavson, *Minneapolis, Minn.*
 Edward C. Hankenson, *Magee, Miss.*
 Ruth Marie Hider, *Binghamton, N.Y.*
 James E. Howland, *Buffalo, N.Y.*
 Ellen C. Kaplan, *Kansas City, Mo.*
 Harvey Lichtenstein, *Brooklyn, N.Y.*
 Warren Logan, *New York, N.Y.*
 David Lunney, *New York, N.Y.*
 H. G. McNally, Jr., *Houston, Texas*
 Kenneth R. Meine, *New Castle, Pa.*
 James M. Norcop, *Los Angeles, Calif.*
 John R. Reel, *Washington, D.C.*
 Peter Troxell, *Pasadena, Calif.*
 Norman E. Womack, *San Diego, Calif.*
 Suzanne K. Zoss, *Youngstown, Ohio*

Place of Internship

Philharmonic-Symphony Society, *New York, N.Y.*
 Mummers Theatre, *Oklahoma City, Okla.*
 Denver Symphony Orchestra, *Denver, Colo.*
 Seattle Repertory Theatre, *Seattle, Wash.*
 Arena Stage, *Washington, D.C.*
 Alley Theatre, *Houston, Texas*
 Actor's Workshop, *San Francisco, Calif.*
 Pittsburgh Symphony Orchestra, *Pittsburgh, Pa.*
 Kansas City Lyric Theatre, *Kansas City, Mo.*
 American Shakespeare Festival Theatre and Academy, *Stratford, Conn.*
 San Francisco Opera, *San Francisco, Calif.*
 New York City Opera, *New York, N.Y.*
 Buffalo Philharmonic Orchestra, *Buffalo, N.Y.*
 Minnesota Theater Company, *Minneapolis, Minn.*
 New York City Ballet, *New York, N.Y.*
 Play House, *Cleveland, Ohio*
 Arena Stage, *Washington, D.C.*
 Minnesota Theater Company, *Minneapolis, Minn.*
 Detroit Symphony Orchestra, *Detroit, Mich.*
 Seattle Symphony Orchestra, *Seattle, Wash.*
 Cleveland Symphony Orchestra, *Cleveland, Ohio*
 Arena Stage, *Washington, D.C.*
 New York City Opera, *New York, N.Y.*
 Oklahoma City Symphony Orchestra, *Oklahoma City, Okla.*

Creative Film Makers: *Fellowships to enable film makers to produce short creative films or to study the cinematic art.*

Kenneth Anger, *Los Angeles, Calif.*
 Jordan Belson, *San Francisco, Calif.*
 James Blue, *Portland, Ore.*
 Bruce Conner, *Brookline, Mass.*
 Carmen D'Avino, *New York, N.Y.*
 Daniel Drasin, *Brooklyn, N.Y.*

Edmund Emshwiller, *Wantagh, N.Y.*
 Hilary T. Harris, *New York, N.Y.*
 Helen Levitt, *New York, N.Y.*
 Kent Mackenzie, *Glendale, Calif.*
 John R. McDermott, *Westport, Conn.*
 Stanley Vanderbeek, *New York, N.Y.*

The following program was conducted by application rather than by nomination. Candidates were selected with the assistance of a panel composed of professionals in the arts.

Critics, Reporters, and Editors: *Fellowships to enable the following to extend their professional experience in the visual and performing arts.*

Robert Brustein, *New York, N.Y.*, drama critic
Maxine Cushing Gray, *Seattle, Wash.*, arts and education editor

T. E. Kalem, *New York, N.Y.*, drama critic
Stanley Kauffmann, *New York, N.Y.*, film critic

Jules Langsner, *Los Angeles, Calif.*, educator and critic

Esther McCoy, *Santa Monica, Calif.*, architectural writer

Eric Salzman, *New York, N.Y.*, music critic

Franz Schulze, *Chicago, Ill.*, art critic

Jerry Tallmer, *New York, N.Y.*, reporter and critic

Wolf Von Eckardt, *Washington, D.C.*, architectural critic

Peter B. Yates, *Los Angeles, Calif.*, music writer

Contemporary-Art Purchases: *The Foundation purchased thirty-one paintings and sculptures by the following artists from exhibitions at the Art Institute of Chicago; the Pennsylvania Academy of Fine Arts, Philadelphia; and the Silvermine Guild of Artists, New Canaan, Conn. These institutions retained half of the purchases for their permanent collections; the rest were presented by the artists to museums, art centers, colleges, and universities throughout the country.*

Richard Anuszkiewicz, *New York, N.Y.*, painter

Revington Arthur, *Glenbrook, Conn.*, painter

Manuel Ayaso, *New York, N.Y.*, painter

Wolfgang Behl, *Hartford, Conn.*, sculptor

Pat Berger, *Los Angeles, Calif.*, painter

Kenneth Campbell, *New York, N.Y.*, sculptor

John Cavanaugh, *Washington, D.C.*, sculptor

John Day, *New York, N.Y.*, painter

Jan Doubrava, *New York, N.Y.*, painter

Dorothea Greenbaum, *Princeton, N.J.*, sculptor

Milton Hebal, *New York, N.Y.*, sculptor

Patrick Kelly, *Athens, Ohio*, sculptor

Irving Kriesberg, *New York, N.Y.*, painter

William Lasansky, *Iowa City, Iowa*, sculptor

Andrew J. Libertone, *Edgewood, Md.*, sculptor

Michael Lowe, *New York, N.Y.*, painter

John Gregory Marshall, *Easton, Conn.*, sculptor

John Mason, *Los Angeles, Calif.*, sculptor

Ira Matteson, *Philadelphia, Pa.*, sculptor

James McGarrell, *Bloomington, Ind.*, painter

Paul J. Nonay, *Rowayton, Conn.*, painter

Jules Olitski, *Shaftsbury, Vt.*, painter

Elizabeth Osborne, *Philadelphia, Pa.*, painter

Anthony Padovano, *New York, N.Y.*, sculptor

Robert Ranieri, *New York, N.Y.*, sculptor

John Risley, *Middletown, Conn.*, sculptor

Raymond Saunders, *New York, N.Y.*, painter

Rhoda Sherbell, *Westbury, N.Y.*, sculptor

Syd Solomon, *East Hampton, N.Y.*, painter

Harvey Weiss, *Norwalk, Conn.*, sculptor

Engineering Education

Eight residencies in industry were awarded in fiscal 1964 to young engineering teachers, enabling them to spend a year to fifteen months gaining experience at high levels of industrial decision-making. The recipients, their universities, and the companies in which they will serve residencies are:

Robert E. Bailey, *Purdue University,*

Atomics International

Creighton A. Depew, *University of Washington,*

Du Pont Company

William L. Gamble, *University of Illinois,*

Bechtel Corporation

Geza L. Gyorey, *University of Michigan,*

General Electric Company

Barrett Hazeltine, *Brown University,*

Raytheon Company

Edward F. Leonard, *Columbia University,*

Esso Research and Engineering Company

Robert S. Pepper, *University of California (Berkeley),*

Sprague Electric Company

Philip A. Thompson, *Rensselaer Polytechnic Institute,*

General Electric Company

Financial Statements

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Financial Review

The Ford Foundation manages its funds solely in furtherance of philanthropic activities, according to criteria of prudent, efficient management and fiduciary responsibility.

The balance sheet of the Foundation, a Michigan nonprofit corporation, at September 30, 1964, together with other financial statements, begins on page 76.

Income

The Foundation's income in fiscal 1964 was \$146,943,393, or \$6,631,480 more than in fiscal 1963. The increase mainly is due to a rise in the per-share dividend on Ford Motor Company stock. Although the Foundation sold and otherwise disposed of 4,152,269 shares during the year, Ford Motor Company stock remains its principal asset, accounting for 62.8 per cent of income in fiscal 1964. Dividends from Ford Motor Company stock were \$92,274,114. Income from other investments totaled \$54,933,583.

Expenses

Administrative expenses totaled \$6,640,430. Investment expenses, which totaled \$264,304

in fiscal 1964, are not included in this figure but are deducted from investment income.

Grants and Project Expenditures

The total of grants approved and of expenditures on projects administered by the Foundation was \$234,903,971 in fiscal 1964, or \$94,601,008 more than net income after expenses. The cumulative excess of expenses, grants, and project expenditures over income since the establishment of the Foundation in 1936 was thus increased to \$693,378,665, as shown in the table below.

Sources and Application of Funds

Financial data in other sections of this review and in the financial statements are based upon the accrual method of accounting. Under this method, income in a given fiscal year is included when earned even if not collected, and grants and incurred expenses are included even if not paid within the period. To depict the sources and use of funds, the table on page 74 summarizes generally the movements of cash during fiscal 1964.

Income, Expenses, Grants, and Project Expenditures 1936-1964 (in millions)

Fiscal Years	Income	Grants Approved, Project Expenditures, and Administrative Expenses	Excess (Deficiency) of Income
1936-1950	\$116.2	\$ 37.6	\$ 78.6
1951-1955	303.8	257.5	46.3
1956-1960	573.4	1,091.8	(518.4)
1961	130.5	152.7	(22.2)
1962	136.6	233.4	(96.8)
1963	140.3	226.6	(86.3)
1964	147.0	241.6	(94.6)
Totals	\$1,547.8	\$2,241.2	(\$693.4)

<i>Sources of funds</i>	<i>(in millions)</i>
Investment income, less investment expenses	\$145.7
Excess of proceeds of sales and maturities of securities, over the cost of other securities purchased	70.5
Decrease in cash balances	.7
	<u>\$216.9</u>
 <i>Application of funds</i>	
Payments related to program activities:	
Grant recipients	\$199.6
Foundation-administered projects	9.8
Partial costs of new premises	.7
Administrative expenses	6.8
	<u>\$216.9</u>

Payments on grants and projects in fiscal 1964 amounted to \$209.4 million. This exceeded income by \$63.7 million. The cumulative total of such program payments since 1936 amounts to \$1,827,637,673. Cumulative program payments at any given date are less than the total of grants approved and project expenditures, since grants frequently are scheduled for payment over varying periods in future years. As indicated, investment income was not sufficient to meet the total payment obligations the Foundation had assumed. The difference of \$70.5 million in cash requirements was made up by disposing of securities, as indicated in the second item in the table.

New Commitments

The Foundation's new program activity in a given year is most significantly expressed in terms of new commitments. These consist of trustee-approved appropriations — funds earmarked for stated purposes, out of which grants may be made and Foundation-administered projects financed — and grants and projects approved specifically by the trustees or officers. (Grants and projects approved out of appropriations of previous years are not included in new commitments.) New commitments during fiscal 1964 totaled \$249,386,060.

This amount consisted of grants, \$142,605,808; projects, \$62,000; and appropriations, \$105,524,358, all net after \$1,193,894 in reduction of previous years' commitments.

Reserve for Appropriations

Portions of appropriations not yet converted to grants, and projects approved but not expended, are not charged against income and thus are not shown in the Income Fund Statement; however, they are planned commitments for which reserves are set aside. These reserves amounted to \$125,803,705 at September 30, 1964, as shown in the balance sheet on page 77. To meet the commitments represented by the reserves and by the unpaid balance on grants, the Foundation maintains adequate short-term securities.

Net Worth and Ford Stock Dispositions

The net worth of the Foundation at the close of the fiscal year was \$2,400,762,144 at book value compared with \$2,287,676,966 the previous year.

The change in net worth results from the following increases and decreases.

Decreases consisted of the excess of grants, projects, and expenses over income — \$94,601,008 — and of \$13,288,194 added to the Reserve for Appropriations for future grants and projects.

Increases were:

— \$138,851,268 due to an adjustment in carrying value of Ford Motor Company stock held by the Foundation from \$30 to \$33 per share.* (The Foundation held 46,283,756 shares of Ford Motor Company Class A nonvoting stock at the end of the 1964 fiscal year, which is 41.8 per cent of the capital stock of the Company.)

— \$75,056,586 resulting from sale to a group of underwriters at \$48.90 a share, of 4,000,000 shares of Class A nonvoting Ford

*This increase was made in accordance with a policy of adjusting the carrying value of the Ford stock on September 30 of each year to reflect the stockholders' approximate equity as indicated by the financial statements of the Ford Motor Company at December 31 of the preceding year.

stock, carried at \$30 per share, which were converted into common stock for sale by the underwriters to the public.

— \$3,508,996 resulting from exchange at market value with two other institutions of 152,269 shares of Ford stock, carried at \$30 per share, for other securities.

— \$3,557,530 from net gains on sales of other securities.

Other Investments

Other than Ford Motor Company stock, the investment portfolio at September 30, 1964 was as follows:

	Cost	Market Value
U. S. Government and U. S. Government Agency obligations	\$502,356,298	\$502,141,049
Other bonds and notes	474,975,614	474,503,612
Fixed and special deposits	64,695,878	64,695,343
Common stocks	284,730,335	347,790,749
Preferred stocks	5,250,406	5,590,838
Total	\$1,332,008,531	\$1,394,721,591

Included in "other bonds and notes" are approximately \$360 million in loans for investment purposes made directly by the Foundation to corporate borrowers, sometimes in participation with other investors. (The direct-placement obligations acquired by the Foundation generally are not readily marketable, and the effective yield is higher than those of general-market bonds.) In addition, as of September 30, 1964, the Foundation has made

commitments for future direct placements totaling approximately \$13 million.

Maturities of investment obligations and deposits were as follows:

Years	Face Amounts
1964-1969	\$656,134,000
1970-1974	265,030,000
1975-1984	95,641,000
1985 and later	30,817,000
Total	\$1,047,622,000

The large proportion of short maturities is dictated by the need to meet payments of grants and other commitments.

The common stock portfolio increased by \$78,465,919 as a result of continued purchases under the Foundation's program to diversify its assets. At September 30, 1964, the Foundation held common stock with a total book cost of \$284,730,335 in 126 corporations.

In the handling of its investments the Foundation has been ably assisted by William R. Biggs, adviser to the Finance Committee, who has served the Foundation since 1955.

Foundation Premises

Of the amount shown in the balance sheet under this title, \$4,144,364 represents the costs to September 30, 1964 of site acquisition and preparation, planning, and construction of the building being erected at 321 East 42nd Street to serve as Foundation headquarters, and \$7,200 represents partial architectural costs for Foundation offices to be constructed in New Delhi, India.

Thomas H. Lenagh

Opinion of Independent Accountants

*To the Board of Trustees of
The Ford Foundation*

In our opinion, the accompanying statements present fairly the financial position of The Ford Foundation at September 30, 1964 and its income, expenditures and changes in fund balances for the year, in conformity with generally accepted accounting principles applied on a basis consistent with that of the

preceding year. Our examination of these statements was made in accordance with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

Price Waterhouse and Co.

November 20, 1964
New York, N.Y.

The Ford Foundation

Balance Sheet

September 30, 1964

Assets

Cash		\$3,313,662
Accrued Interest and Dividends Receivable		11,844,866
Investments (at cost) (pages 80-99)		
Bonds and notes	\$977,331,912	
Fixed and special deposits	64,695,878	
Common and preferred stocks	289,980,741	
Total (approximate market value \$1,394,721,591)	<u>1,332,008,531</u>	1,332,008,531
Ford Motor Company Nonvoting Class A Stock		
46,283,756 shares carried at \$33 a share*		1,527,363,948
Receivables and Other Assets		
For securities sold but not delivered	\$3,065,123	
Other	464,369	3,529,492
Foundation Premises (at cost)		4,151,564
		<u><u>\$2,882,212,063</u></u>

*The carrying value of Ford Motor Company Class A Stock of \$33 per share represents the approximate equity per share as indicated by the financial statements of the Ford Motor Company at December 31, 1963. (See the Principal Fund Statement, page 79.) The Class A Stock is convertible or exchangeable, under limited conditions, into Ford Motor Company Common Stock, which had a market value per share of 57⁷/₈ on September 30, 1964.

Liabilities, Reserves, and Fund Balances

Unpaid Grants (pages 104-158)		\$349,678,917
Accounts Payable		
For securities purchased but not received	\$5,465,727	
Other	501,570	5,967,297
	<hr/>	
Reserves		
Appropriations for grants and projects (pages 100-103)	\$114,499,148	
Unexpended balance of projects (pages 159-162)	11,304,557	125,803,705
	<hr/>	
Fund Balances (page 79)		2,400,762,144
		<hr/>
		<u>\$2,882,212,063</u>

Income Fund Statement

for the year ended September 30, 1964

Income

Dividends, including \$92,274,114 on Ford Motor Company Class A Stock	\$100,108,250	
Interest, including \$47,622 direct- placement commitment fees	47,099,447	
	<u>\$147,207,697</u>	
Less — Investment expenses	264,304	<u>\$146,943,393</u>

Grants and Projects

Grants approved (pages 104-158)	\$225,136,327	
Project expenditures (pages 159-162)	9,767,644	\$234,903,971
	<u>9,767,644</u>	

Administrative Expenses

	Compensation and Employee Benefits	Other Expenses	
Program	\$3,105,644	\$491,349	
General administration	1,576,677	1,466,760	
	<u>\$4,682,321</u>	<u>\$1,958,109</u>	6,640,430
Total — Grants, projects, and expenses			<u>\$241,544,401</u>

Excess of grants, projects, and expenses
over income for the year

(\$94,601,008)

Income Fund Deficiency
at September 30, 1963

(\$598,777,657)

Cumulative excess of grants, projects,
and expenses over income from
establishment (1936) to September 30, 1964

(\$693,378,665)

Principal Fund Statement

for the year ended September 30, 1964

Principal Fund Balance at September 30, 1963		\$2,998,970,134
Excess of net proceeds of disposition of 4,152,269 shares of Ford Motor Company stock over the carrying value at September 30, 1963	\$78,565,582	
Excess of net proceeds of sales of other securities over carrying value	3,557,530	
Increase arising from adjustment authorized by the Board of Trustees in the carrying value as of September 30, 1964, of 46,283,756 shares of Ford Motor Company Class A Stock from \$30 to \$33 per share, representing the approximate equity per share as indicated by the December 31, 1963 financial statements of the Company	138,851,268	220,974,380
Principal Fund Balance at September 30, 1964		<u>\$3,219,944,514</u>

Summary of Fund Balances

Principal Fund, as above		\$3,219,944,514
Excess of grants, projects, and expenses over income from establishment (1936) to September 30, 1964 (page 78)		(693,378,665)
Appropriated for future grants and projects		<u>\$2,526,565,849</u> <u>(125,803,705)</u>
Balances at September 30, 1964		<u>\$2,400,762,144</u>

Investments

at September 30, 1964

(In general, bonds and notes purchased at a premium are carried at cost less amortization of premiums. Other securities are carried at cost, or in the case of U. S. Treasury Bills and other non-interest-bearing securities at cost plus accrued discount from date of purchase to September 30, 1964.)

Bonds and Notes

	FACE AMOUNT (in thousands)	COST (see note above)	MARKET (approximate)
U. S. Government			
Treasury Bills	\$12,000	\$11,843,671	\$11,838,934
Treasury Notes			
Series C 3 $\frac{7}{8}$ %, May 15, 1965	32,000	32,000,000	32,025,000
Series D 3 $\frac{7}{8}$ %, Aug. 13, 1965 (stamped)	3,500	3,490,500	3,501,641
Series B 3 $\frac{1}{2}$ %, Nov. 15, 1965	20,000	19,956,925	19,918,750
Series B 3 $\frac{7}{8}$ %, Feb. 15, 1966	28,000	28,019,285	27,886,250
Series C 3 $\frac{7}{8}$ %, Feb. 15, 1966	7,500	7,500,000	7,492,969
Series A 4%, Aug. 15, 1966	3,000	3,003,510	3,005,625
Series B 3 $\frac{7}{8}$ %, Feb. 15, 1967	10,000	9,905,156	9,915,625
Series A 3 $\frac{3}{4}$ %, Aug. 15, 1967	15,000	14,971,875	14,901,563
Treasury Bonds			
3 $\frac{7}{8}$ %, May 15, 1968	10,000	9,956,441	9,956,250
3 $\frac{3}{4}$ %, Aug. 15, 1968	20,000	20,000,000	19,787,500
4%, Oct. 1, 1969	10,500	10,489,648	10,480,313
4%, Aug. 15, 1970	24,000	23,825,313	23,902,500
2 $\frac{1}{2}$ %, Mar. 15, 1971-66	12,000	11,429,063	11,932,500
3 $\frac{7}{8}$ %, Nov. 15, 1971	33,000	32,904,062	32,505,000
4%, Feb. 15, 1972	20,000	20,075,873	19,825,000
4%, Aug. 15, 1972	15,000	14,943,750	14,878,125
4%, Aug. 15, 1973	21,000	20,805,156	20,724,375
4 $\frac{1}{8}$ %, Nov. 15, 1973	15,000	14,906,657	14,943,750
4%, Feb. 15, 1993-88	5,000	4,936,250	4,846,875
	<u>\$316,500</u>	<u>\$314,963,135</u>	<u>\$314,268,545</u>
U. S. Government Agencies			
The Thirteen Banks for Cooperatives			
Consolidated Collateral Trust Debentures			
3.90%, Dec. 1, 1964	\$2,000	\$2,000,000	\$2,000,000
4%, Apr. 1, 1965	5,000	5,000,000	5,000,000

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
The Federal Home Loan Banks			
Consolidated Bonds and Notes			
Series A 3½%, Oct. 15, 1964	5,000	4,985,156	4,998,438
Series A 4.05%, Jan. 15, 1965	5,000	5,000,000	5,001,563
Series B 4.15%, Feb. 15, 1965	5,000	5,001,065	5,001,563
Series D 4¼%, May 17, 1965	3,000	3,000,000	3,000,938
Series E 3.95%, July 15, 1965	5,000	5,000,000	4,995,313
Series A 3¾%, Sept. 15, 1965	9,000	8,996,604	8,971,875
Series A 4½%, Aug. 15, 1966	9,000	9,000,000	9,005,625
Series B 4¼%, Nov. 15, 1966	8,300	8,310,574	8,325,938
The Twelve Federal Intermediate Credit Banks			
Consolidated Collateral Trust Debentures			
3.90%, Nov. 2, 1964	5,000	5,000,000	4,998,438
3.95%, June 1, 1965	3,000	2,999,531	2,998,125
The Twelve Federal Land Banks			
Consolidated Federal Farm Loan Bonds			
4%, Oct. 20, 1964	5,000	5,000,391	5,000,000
4¼%, Apr. 20, 1965	4,000	4,001,382	4,006,250
4%, Dec. 20, 1965	15,000	14,850,000	15,000,000
3⅝%, Feb. 21, 1966	12,000	11,921,906	11,910,000
4¼%, July 20, 1966	3,000	3,000,000	3,007,500
4%, May 22, 1967	10,000	10,033,313	9,987,500
4½%, Oct. 23, 1967	11,500	11,519,476	11,500,000
4¼%, Mar. 20, 1968	2,000	1,998,687	2,000,000
4%, June 20, 1968	3,000	3,005,431	2,986,875
5½%, Feb. 20, 1970	4,250	4,272,653	4,425,313
4½%, Feb. 20, 1978-72	5,000	4,997,000	4,912,500
Federal National Mortgage Association			
Secondary Market Operations Debentures			
Series C 3⅞%, Dec. 11, 1964	5,000	5,000,000	5,000,000
Series B 3¾%, Mar. 10, 1966	8,500	8,504,377	8,457,500
Series A 4½%, Dec. 12, 1966	10,000	9,984,211	10,018,750
Series A 4⅝%, Apr. 10, 1970	2,000	2,038,906	2,035,000
Series B 4½%, Sept. 10, 1971	10,000	9,987,500	10,125,000
Series A 5½%, Feb. 10, 1972	4,000	3,985,000	4,180,000
Series B 4⅝%, June 12, 1972	9,000	9,000,000	9,022,500
	<u>\$187,550</u>	<u>\$187,393,163</u>	<u>\$187,872,504</u>
Transportation			
ACF Industries			
Equipment Trust Series A 4.20%, due annually, Apr. 15, 1965-68†	\$1,600	\$1,600,000	\$1,600,000*
American Locomotive & Equipment Corp.			
Secured Note 5½%, due quarterly, Oct. 1, 1964-July 1, 1973†	1,603	1,632,441	1,632,441*
Atchison, Topeka & Santa Fe Railway Co.			
Conditional Sale Agreements			
4%, due semi-annually, Jan. 15, 1965-July 15, 1965†	2,141	2,140,500	2,140,500*
4.30%, due annually, Mar. 1, 1967-72†	16,532	16,531,905	16,531,905*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Atlanta & West Point Railroad Co.			
Conditional Sale Agreement 3%, due monthly, Oct. 19, 1964-67† (guaranteed by Atlantic Coast Line Railroad Co. and Louisville & Nashville Railroad Co.)	81	79,155	79,155*
Atlantic Coast Line Railroad Co. and Louisville & Nashville Railroad Co.			
Conditional Sale Agreements 3%, due monthly, Oct. 19, 1964-67†	203	197,626	197,626*
Atlantic Coast Line Railroad Co. and Louisville & Nashville Railroad Co. (operating Clinchfield Railroad Co.)			
Participation in Conditional Sale Agreement 4½%, due quarterly, Sept. 1, 1967-June 1, 1973†	2,010	2,010,000	2,010,000*
Chesapeake & Ohio Railway Co.			
Participation in Conditional Sale Agreement 5%, due annually, Dec. 1, 1964-76†	5,200	5,200,000	5,200,000*
Continental Air Lines			
Series B Secured Note 6½%, due semi-annually, Dec. 31, 1964-72†	1,917	1,916,640	1,916,640*
Series C Secured Note 6¼%, due semi-annually, Dec. 31, 1967-72†	1,000	1,000,000	1,000,000*
Fruit Growers Express Co.			
Equipment Trust of 1955 Series T 3.40%, due annually, Aug. 1, 1965-70†	600	581,745	581,745*
Equipment Trust of 1964 Series GG 4.35%, due annually, Mar. 15, 1965-69†	2,490	2,490,000	2,490,000*
Great Northern Railway			
Second Equipment Trust of 1960 4⅞%, due semi-annually, Mar. 1, 1965-Sept. 1, 1969	1,000	995,811	1,010,125
Kanawha-Ohio Corp.			
Participation in Conditional Sale Agreement 4.40%, due annually, June 1, 1965-72† (guaranteed by Chesapeake & Ohio Railway Co.)	3,200	3,200,000	3,200,000*
Lexington & Eastern Railway Co.			
First Mortgage Bond 5%, Apr. 1, 1965	250	251,168	250,000
Louisiana & Arkansas Railway Co.			
Conditional Sale Agreement 4⅞%, due semi-annually, Jan. 15, 1965-69†	4,547	4,546,800	4,546,800*
Louisville & Nashville Railroad Co.			
Equipment Trust Series CC 4%, due annually, July 1, 1966-67	611	610,534	606,405
Conditional Sale Agreements 3.20%, due quarterly, Dec. 15, 1964-Sept. 15, 1966†	205	201,385	201,385*
3.35%, due monthly, Oct. 19, 1964-Apr. 19, 1971†	568	552,755	552,755*
New York, New Haven & Hartford Railroad Co.			
Equipment Trust of 1960 5½%, due annually, June 1, 1965-75† (guaranteed by U. S. Government)	2,933	2,933,333	2,933,333*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
North American Car Corp.			
Equipment Trust 1963 Series			
4.20%, Sept. 1, 1965†	500	500,000	500,000*
4.30%, Sept. 1, 1966†	500	500,000	500,000*
4.35%, Sept. 1, 1967†	500	500,000	500,000*
4.40%, Sept. 1, 1968†	500	500,000	500,000*
Northern Pacific Railway Co.			
Serial Equipment Trust 3 $\frac{7}{8}$ %, due annually, June 14, 1966-68	722	716,183	712,072
Pennsylvania Railroad Co.			
Participation in Conditional Sale Agreements			
4 $\frac{1}{2}$ %, due semi-annually, Mar. 1, 1968-Sept. 1, 1969†	2,275	2,274,805	2,274,805*
4 $\frac{7}{8}$ %, due semi-annually, Mar. 1, 1970-Sept. 1, 1972†	3,412	3,412,207	3,412,207*
St. Louis-San Francisco Railway Co.			
Participation in Conditional Sale Agreement			
5 $\frac{1}{4}$ %, due semi-annually, Feb. 1, 1965-Aug. 1, 1965†	129	128,550	128,550*
Seaboard Air Line Railroad Co.			
Equipment Trust Series P 2 $\frac{7}{8}$ %, due annually, Nov. 1, 1964-65	844	803,469	834,864
Southern Pacific Co.			
Participation in Conditional Sale Agreements			
4.35%, due annually, Feb. 1, 1965-69†	8,333	8,333,333	8,333,333*
3.25%-3.30%, due annually, Apr. 1, 1965-71†	3,496	3,495,596	3,495,596*
Equipment Trust Series 11 4 $\frac{1}{4}$ %, due annually, Feb. 1, 1966-70	2,500	2,483,657	2,483,750
Union Pacific Railroad Co.			
Conditional Sale Agreement 4 $\frac{1}{8}$ %, due semi-annually, Dec. 1, 1964-June 1, 1970†	9,726	9,726,089	9,726,089*
Wabash Railroad Co.			
Equipment Trust Series G 3%, Apr. 1, 1965	542	521,361	537,258
	<u>\$82,670</u>	<u>\$82,567,048</u>	<u>\$82,619,339</u>
Public Utility			
American Telephone & Telegraph Co.			
Debentures			
2 $\frac{3}{4}$ %, Dec. 1, 1970	\$1,110	\$1,017,038	\$1,007,325
2 $\frac{3}{4}$ %, Feb. 1, 1971	1,350	1,227,700	1,231,875
3 $\frac{7}{8}$ %, July 1, 1990	6,900	7,043,908	6,279,000
Buffalo Niagara Electric Corp.			
First Mortgage 2 $\frac{3}{4}$ %, Nov. 1, 1975	850	731,000	722,500
Detroit Edison Co.			
General and Refunding Mortgage Series L			
3.20%, Jan. 15, 1973	1,500	1,488,750	1,368,750
Duke Power Co.			
First and Refunding Mortgage Series			
2.65%, Sept. 1, 1977†	3,000	2,796,476	2,796,476*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
El Paso Natural Gas Co.			
Promissory Notes 3¾%, due annually, May 4, 1965-69†	5,000	4,508,160	4,508,160*
First Mortgage Pipe Line Bond 5½%, due semi-annually, Dec. 1, 1964-Apr. 1, 1980†	1,950	1,950,000	1,950,000*
Houston Lighting & Power Co.			
First Mortgage 2⅞%, Nov. 1, 1974	300	260,640	262,125
Illinois Bell Telephone Co.			
First Mortgage Series B 3%, June 1, 1978	400	319,500	341,000
Laclede Gas Light Co.			
First Mortgage 3½%, Feb. 1, 1965	1,295	1,288,308	1,275,575
Mississippi Power Co.			
First Mortgage 3⅞%, Sept. 1, 1971	2,000	1,967,500	1,835,000
New York Telephone Co.			
Refunding Mortgage Series C 3%, Oct. 15, 1964	3,000	2,911,425	3,000,000
Northern Natural Gas Co.			
Sinking Fund Debenture 4⅞%, Nov. 1, 1977	805	805,000	803,994
Peoples Gas Light & Coke Co.			
First and Refunding Mortgage Series E 3¼%, Aug. 1, 1966	2,000	1,965,150	1,985,000
Philadelphia Electric Co.			
First and Refunding Mortgage 2¾%, Nov. 1, 1967	5,000	4,762,942	4,762,500
Public Service Co. of New Hampshire			
Secured Note 5⅞%, Oct. 1, 1965†	3,500	3,500,000	3,500,000*
Public Service Electric & Gas Co.			
First and Refunding Mortgage 3⅞%, Oct. 1, 1965	6,000	5,723,584	5,932,500
Southern California Gas Co.			
First Mortgage Series B 3⅞%, June 1, 1981	1,750	1,773,520	1,631,875
United Gas Corp.			
First Mortgage & Collateral Trust Bond 4½%, Mar. 1, 1977	1,485	1,508,098	1,473,863
West Shore Pipe Line Co.			
Promissory Note Series B 5%, due semi-annually, Jan. 1, 1969-July 1, 1987†	7,600	7,600,000	7,600,000*
Wisconsin Electric Power Co.			
First Mortgage 3⅞%, Apr. 15, 1986	2,000	2,026,964	1,830,000
	<u>\$58,795</u>	<u>\$57,175,663</u>	<u>\$56,097,518</u>
Industrial			
Babcock & Wilcox Co.			
Promissory Note 3⅞%, due annually, June 1, 1965-74†	\$1,763	\$1,763,000	\$1,763,000*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Bethlehem Steel Corp.			
Consolidated Mortgage Sinking Fund Series I 2¾%, July 15, 1970	1,350	1,201,281	1,231,875
Boothe Leasing Corp.			
Senior Secured Note 6%, due semi-annually, Oct. 1, 1966-Apr. 1, 1971†	3,000	3,000,000	3,000,000*
Broadstock Fixture Corp.			
Promissory Note 6%, due semi-annually, Feb. 1, 1965-Aug. 1, 1976†	5,098	5,097,602	5,097,602*
Brown Engineering Co.			
Senior Notes			
6%, due semi-annually, Feb. 1, 1965-74† (with warrants to purchase 21,000 shares common stock)	1,188	1,187,500	1,187,500*
6%, due semi-annually, Aug. 1, 1974-Feb. 1, 1977†	784	750,000	750,000*
Capital Cities Broadcasting Corp.			
Promissory Note 5¾%, due semi-annually, Apr. 1, 1971-Oct. 1, 1972† (with warrants to purchase 75,000 shares common stock)	7,500	7,500,000	7,500,000*
Champion Paper & Fibre Co.			
Debenture ¾%, July 15, 1965	561	510,510	552,585
Chesebrough-Pond's			
Promissory Note 5%, due annually, Aug. 1, 1967-76†	2,500	2,500,000	2,500,000*
Chris-Craft Industries and Chris-Craft Corp.			
Joint and Several Promissory Note 5¾%, due annually, Oct. 10, 1967-78† (with warrants to purchase 34,453 shares Chris-Craft Industries common stock)	5,000	5,000,000	5,000,000*
Cities Service Co.			
Sinking Fund Debenture 3%, Jan. 1, 1977	2,000	1,737,500	1,720,000
Coastal States Gas Producing Co.			
Sinking Fund Debenture 5½%, Mar. 1, 1980† (with warrants to purchase 60,000 shares common stock)	2,000	2,000,000	2,000,000*
Computer 309			
Secured Note 4½%, due monthly, Nov. 1, 1964-Dec. 1, 1967†	707	707,030	707,030*
DeLaval Turbine			
Subordinated Note 6%, due annually, May 1, 1969-77†	2,500	2,500,000	2,500,000*
Ethyl Corp.			
Subordinated Promissory Note 5¾%, due annually, Nov. 1, 1979-82†	3,000	2,332,436	2,332,436*
Hilton Hotels Corp.			
Mortgage Note 6¾%, due semi-annually, Oct. 1, 1964-80†	821	821,000	821,000*
Kaiser Aluminum & Chemical Corp.			
First Mortgage 4¼%, due annually, Apr. 1, 1965-81†	1,600	1,600,000	1,600,000*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

86	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
J. J. Newberry Co.			
Subordinated Note 5¼%, due annually, Oct. 1, 1967-81† (with warrants to purchase 25,000 shares common stock)	2,500	2,500,000	2,500,000*
Newcount Corp.			
Senior Promissory Note 6%, due quarterly, Dec. 1, 1964-June 1, 1980†	4,493	4,492,916	4,492,916*
Parktown Corp.			
Promissory Note 5¾%, due quarterly, Oct. 1, 1964-Jan. 1, 1975†	4,129	4,129,054	4,129,054*
Rapid-American Corp.			
Secured Note 5¾%, due annually, June 1, 1967-76† (with warrants to purchase 50,000 shares common stock)	5,000	5,000,000	5,000,000*
Safeway Stores			
Debenture Series A 4%, Nov. 1, 1964	635	635,071	633,413
Shell Caribbean Petroleum Co.			
Bonds 4%, due semi-annually, Jan. 1, 1965-Oct. 1, 1968†	929	877,905	877,905*
Southern Nitrogen Co.			
Subordinated Note 6%, due annually, July 1, 1967-Jan. 1, 1979†	2,700	2,700,000	2,700,000*
Southwest Forest Industries			
General Mortgage Sinking Fund Bond 6¼%, due annually, July 1, 1965-80† (with warrants to purchase 23,210 shares common stock)	3,960	3,960,000	3,960,000*
Stonehaven Properties			
Secured Note 5½%, due quarterly, Oct. 11, 1964-Apr. 11, 1967†	691	690,665	690,665*
Superior Oil Co.			
Debenture 3¾%, July 1, 1981	1,600	1,600,000	1,496,000
Tidewater Oil Co.			
Sinking Fund Debenture 3½%, Apr. 1, 1986	1,500	1,500,000	1,297,500
United Artists Corp.			
Subordinated Note 6%, due annually, Feb. 1, 1967-76† (with warrants to purchase 32,307 shares common stock)	1,500	1,500,000	1,500,000*
Veterans Broadcasting Co.			
First Mortgage Note 6%, due annually, Nov. 14, 1964-71† (with warrants to purchase 7,500 shares common stock)	2,500	2,500,000	2,500,000*
West Covina Fixture Corp.			
Note 6%, due semi-annually, Jan. 9, 1965-July 9, 1977†	1,878	1,877,794	1,877,794*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
White Motor Co.			
Promissory Notes 5¼%, due annually, Feb. 1, 1965-66†	1,650	1,651,151	1,651,151*
	<u>\$77,037</u>	<u>\$75,822,415</u>	<u>\$75,569,426</u>
Financial and Real Estate			
Algonquin Realty			
Secured Note 5¾%, due semi-annually, Jan. 1, 1965-July 1, 1982†	\$7,268	\$7,268,000	\$7,268,000*
American Acceptance Corp.			
Subordinated Note 6¼%, due annually, July 1, 1965-72†	860	842,800	842,800*
Approved Bancredit Corp.			
Senior Subordinated Note 6%, due semi-annually, Nov. 1, 1964-73† (guaranteed by Albee Homes, with warrants to purchase 73,486 shares Albee Homes common stock)	2,850	2,850,000	2,850,000*
Associates Investment Co.			
Senior Promissory Note 3%, Dec. 1, 1964†	1,500	1,474,502	1,474,502*
Notes			
Dec. 16, 1964	2,000	1,983,639	1,984,167
Dec. 23, 1964	3,000	2,973,198	2,974,063
Brooks Properties			
Promissory Notes			
5½%, due quarterly, Oct. 12, 1964-Apr. 12, 1976†	1,104	1,103,536	1,103,536*
5⅞%, due quarterly, Oct. 12, 1964-Apr. 12, 1976†	2,134	2,119,524	2,119,524*
C.I.T. Financial Corp.			
Promissory Note 4½%, Nov. 1, 1965†	10,000	10,024,372	10,024,372*
Dial Finance Co.			
Senior Note 5¾%, due annually, July 1, 1966-75†	1,500	1,500,000	1,500,000*
Family Finance Corp.			
Senior Promissory Note 5%, Feb. 1, 1969†	4,500	4,500,000	4,500,000*
Financial General Corp.			
Collateral Trust Bond 6%, due annually, June 1, 1965-76†	2,880	2,880,000	2,880,000*
General Acceptance Corp.			
Note, Jan. 4, 1965	2,000	1,978,889	1,978,889
Senior Note 4⅞%, Oct. 1, 1968†	2,000	2,000,000	2,000,000*
General Development Corp.			
Promissory Note 6%, due annually, Aug. 15, 1966-73† (with warrants to purchase 65,000 shares common stock)	5,000	5,000,000	5,000,000*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

88	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
General Finance Corp.			
Senior Promissory Notes			
5%, due annually, July 1, 1965-67†	5,000	5,000,000	5,000,000*
5%, Feb. 1, 1968†	4,500	4,500,000	4,500,000*
Giant Realty			
First Mortgage 6%, due semi-annually, Nov. 1, 1964-May 1, 1987†	3,128	3,128,432	3,128,432*
Interstate Finance Corp.			
Senior Promissory Note 5 $\frac{7}{8}$ %, due semi-annually, Feb. 1, 1965-Aug. 1, 1968†	2,000	2,000,000	2,000,000*
Interstate Securities Co.			
Notes 4 $\frac{5}{8}$ %, due annually, July 1, 1965-66†	3,000	3,000,000	3,000,000*
Senior Note 5%, Feb. 1, 1967†	2,000	2,000,000	2,000,000*
Junior Subordinated Note 6 $\frac{1}{4}$ %, due annually, May 1, 1969-78†	1,000	1,000,000	1,000,000*
Irving Trust Co.			
Bankers Acceptances Nov. 2, 1964	2,000	1,993,333	1,992,896
Local Loan Co.			
Senior Promissory Note 5 $\frac{3}{8}$ %, due annually, Dec. 1, 1964-65†	2,000	2,000,000	2,000,000*
Marine Midland Properties Corp.			
Promissory Note Series A 4 $\frac{5}{8}$ %, due semi-annually, Jan. 1, 1965-July 1, 1971†	1,887	1,886,937	1,886,937*
Roman Catholic Archbishop of Los Angeles			
Secured Note 4%, due annually, Mar. 22, 1965-67†	600	586,593	586,593*
Rosenthal & Rosenthal			
Senior Note 5 $\frac{7}{8}$ %, due annually, Apr. 1, 1967-73†	2,000	2,000,000	2,000,000*
Sears Roebuck Acceptance Corp.			
Debenture 5%, July 15, 1982	1,000	979,368	1,030,000
Second Union Properties of Delaware			
Participation in Secured Note 4 $\frac{1}{4}$ %, June 30, 1966†	3,000	3,000,000	3,000,000*
Singer Credit Corp.			
Promissory Notes			
4.35%, Oct. 1, 1965†	2,000	2,000,000	2,000,000*
4.35%, Apr. 1, 1966†	2,000	2,000,000	2,000,000*
State Loan & Finance Corp.			
Senior Promissory Note 4 $\frac{3}{4}$ %, Mar. 15, 1969†	3,000	3,000,000	3,000,000*
Thorp Finance Corp.			
Promissory Note Series A 5 $\frac{3}{4}$ %, due annually, July 1, 1965-72†	2,400	2,400,000	2,400,000*
Tri-Continental Corp.			
Debenture 3 $\frac{7}{8}$ %, Mar. 1, 1966	1,000	995,620	987,500
	<u>\$92,111</u>	<u>\$91,968,743</u>	<u>\$92,012,211</u>

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Canadian			
Aircraft Properties			
First Mortgage Bond 6½%, due quarterly, Oct. 10, 1964-Jan. 10, 1987†	\$2,447	\$2,446,899	\$2,446,899*
Aluminum Co. of Canada			
Sinking Fund Debenture 4½%, Apr. 1, 1980	489	498,780	489,000
Atlantic Acceptance Corp.			
Note 5%, Dec. 16, 1965†	2,000	2,000,000	2,000,000*
Subordinated Note 6%, due annually, Oct. 1, 1964-81† (with warrants to purchase 50,000 shares common stock)	3,360	3,360,000	3,360,000*
Canada, Government of (payable in Canadian funds)			
Bonds			
5½%, Apr. 1, 1976	10,000	9,547,500	9,500,000
5%, June 1, 1988	5,000	4,478,625	4,468,750
Canadian Pacific Railway Co.			
Collateral Trust 3½%, Oct. 1, 1966 (payable in Canadian funds)	450	456,633	405,000
Credit Foncier Franco-Canadien			
Dollar Promissory Notes			
5¼%, Dec. 1, 1964†	1,000	1,000,000	1,000,000*
5¼%, Oct. 1, 1965†	1,000	1,000,000	1,000,000*
5¼%, Aug. 1, 1966†	1,000	1,000,000	1,000,000*
Delta Acceptance Corp.			
Note, Dec. 21, 1964	3,000	2,970,469	2,764,509
Senior Note Series E 6½%, due semi-annually, Nov. 15, 1964-May 15, 1967†	2,100	2,100,000	2,100,000*
Export Finance Corp. of Canada			
Promissory Note 4¼%, Mar. 1, 1965	3,000	3,000,000	2,996,250
Industrial Acceptance Corp.			
Secured Notes			
Jan. 11, 1965	3,000	2,964,937	3,000,000
4⅝%, Feb. 5, 1965	5,000	5,000,000	4,993,750
4⅜%, Mar. 8, 1965	1,000	1,000,000	998,750
Montreal, City of			
Sinking Fund Debenture Local Improvements			
5⅜%, June 15, 1980	1,708	1,702,876	1,742,160
5½%, May 15, 1981	1,995	1,995,000	2,044,875
Montreal Metropolitan Corp.			
Sinking Fund Debenture Boulevard Construction 5⅝%, Feb. 1, 1985	1,823	1,804,770	1,877,690
New Brunswick, Province of			
Sinking Fund Debenture 5⅜%, Feb. 1, 1985	1,198	1,193,807	1,233,940

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†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Ottawa, City of			
Serial Debentures 4¾%, due annually, Aug. 1, 1965-72†	2,050	2,050,000	2,050,000*
Trafalgar, Ontario, Township of			
Debentures, 6¼%, due annually, May 1, 1965-76† (payable in Canadian funds)	690	699,246	641,976*
	<u>\$53,310</u>	<u>\$52,269,542</u>	<u>\$52,113,549</u>
International Bank for Reconstruction and Development			
3¾%, Oct. 1, 1964	\$1,000	\$1,000,000	\$998,750
3¾%, May 15, 1968	3,650	3,579,200	3,595,250
3½%, Jan. 1, 1969	3,000	2,927,406	2,917,500
3½%, Oct. 15, 1971	4,000	3,850,953	3,820,000
4½%, Jan. 1, 1977	3,000	3,000,000	3,022,500
4¼%, May 1, 1978	1,500	1,495,957	1,477,500
4¼%, Jan. 15, 1979	3,000	3,009,989	2,962,500
5%, Feb. 15, 1985	3,000	3,000,000	3,150,000
Participation Certificates in Loans			
Australia, Commonwealth of			
4¼%, due annually, Sept. 1, 1967-68†	4,766	4,491,341	4,491,341*
Belgium, Kingdom of			
4⅞%, Aug. 15, 1967†	2,000	1,976,722	1,976,722*
Cassa Per Il Mezzogiorno (guaranteed by Republic of Italy)			
5½%, Feb. 15, 1969†	1,441	1,441,000	1,441,000*
5½%, Aug. 15, 1969†	3,107	3,107,000	3,107,000*
Credit National Pour Faciliter La Réparation des Dommages Causés Par La Guerre (guaranteed by Republic of France)			
4¼%, May 1, 1965†	2,500	2,423,500	2,423,500*
Denmark, Kingdom of			
5¼%, Aug. 1, 1966†	202	202,000	202,000*
4¼%, Feb. 1, 1967†	1,516	1,452,934	1,452,934*
5¼%, Feb. 1, 1967†	215	215,000	215,000*
East Africa High Commission (guaranteed by United Kingdom)			
4¾%, due semi-annually, Jan. 15, 1967-July 15, 1969†	4,534	4,400,206	4,400,206*
Israel, State of			
5%, Feb. 15, 1967†	200	200,000	200,000*
5%, Aug. 15, 1967†	200	200,000	200,000*
Japan Development Bank (guaranteed by Government of Japan)			
4¾%, Nov. 15, 1964†	927	927,000	927,000*
4¾%, Jan. 15, 1965†	1,242	1,242,000	1,242,000*
Mifalei Yam Hamelah B.M. (guaranteed by State of Israel)			
5%, Nov. 15, 1966†	350	350,000	350,000*
5%, May 15, 1967†	250	250,000	250,000*

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

*Carried at maturity value less foreign exchange discount.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Mortgage Bank of Finland Oy (guaranteed by Republic of Finland) 5½%, due semi-annually, Apr. 15, 1966-68†	1,000	1,000,000	1,000,000*
Nochi Kaihatsu Kikai Kodan (guaranteed by Government of Japan) 4¾%, Nov. 1, 1964†	152	152,000	152,000*
Northern Rhodesia (Zambia) (guaranteed by United Kingdom) 4¾%, due semi-annually, Feb. 1, 1967-Aug. 1, 1969†	3,033	2,943,123	2,943,123*
Norway, Kingdom of 4¾%, Feb. 1, 1966†	685	673,424	673,424*
4¾%, Apr. 15, 1966†	725	712,204	712,204*
4¾%, Aug. 1, 1966†	701	687,751	687,751*
Société Anonyme des Mines de Fer de Mauritanie (guaranteed by Republic of France) 5½%, due semi-annually, Jan. 1, 1973-July 1, 1975†	5,000	5,000,000	5,000,000*
Southern Rhodesia (guaranteed by United Kingdom) 4¾%, May 1, 1967†	667	649,591	649,591*
4¾%, due annually, Nov. 1, 1967-69†	2,000	1,937,531	1,937,531*
	<u>\$59,563</u>	<u>\$58,497,832</u>	<u>\$58,578,327</u>
Foreign			
Alabama Trading Co. (Japan) (Affiliate of Taiyo Fishery Co.) Secured Note 7½%, Oct. 15, 1965† (with option to purchase 3,676,470 shares Taiyo Fishery Co. capital stock)	\$3,000	\$3,000,000	\$3,000,000*
Allgemeine Elektrizitäts-Gesellschaft (West Germany) Senior Dollar Promissory Note 6½%, due annually, Apr. 1, 1965-74†	5,000	5,000,000	5,000,000*
Argentine Republic External Loan Bonds 6½%, July 1, 1973	1,000	950,000	812,500
Austria, Republic of Promissory Note 6%, due annually, Dec. 1, 1967-69†	2,000	2,000,000	2,000,000*
Belgium, Kingdom of External Loan Sinking Fund Bond Series AA 6%, due semi-annually, Oct. 15, 1964-Apr. 15, 1974†	1,000	985,000	985,000*
Commercial Bank of Copenhagen Dollar Notes 6%, due annually, May 1, 1966-69†	2,000	2,000,000	2,000,000*
Compagnie Centrale de Financement (France) Guaranteed Dollar Promissory Note 6½%, due annually, Feb. 1, 1971-74†	3,700	3,700,000	3,700,000*
Denmark, Kingdom of External Loan Bonds 5¼%, Mar. 1, 1978	1,000	987,500	1,010,000

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92	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Finland, Republic of			
External Loan Bond 6%, Mar. 15, 1973	1,000	987,500	995,000
Industrias Unidas de Nuevo Laredo, S.A. (Mexico)			
Secured Promissory Notes 8½%, due quarterly, Jan. 1, 1965-Apr. 1, 1965†	834	834,000	834,000*
Kokusai Denshin Denwa Co. (Japan)			
Guaranteed Dollar Notes 6¾%, due semi-annually, June 1, 1965-77†	5,000	5,000,000	5,000,000*
New Zealand, Government of			
Bond 5¾%, Oct. 15, 1976	964	939,900	1,002,560
Nissei Sangyo Co. (Japan)			
Promissory Notes, due quarterly, (guaranteed by Hitachi, Ltd. and Sanwa Bank)			
Nov. 6, 1964†	58	57,313	57,313*
Dec. 18, 1964†	11	11,235	11,235*
Dec. 24, 1964†	2	2,307	2,307*
Oct. 7, 1964-Jan. 7, 1965†	63	63,011	63,011*
Oct. 29, 1964-Jan. 29, 1965†	147	145,699	145,699*
Nov. 30, 1964-Mar. 1, 1965†	6	5,864	5,864*
Oct. 8, 1964-Apr. 8, 1965†	6	5,624	5,624*
Oct. 19, 1964-Apr. 19, 1965†	44	43,288	43,288*
Nov. 2, 1964-May 3, 1965†	66	65,864	65,864*
Nov. 13, 1964-May 13, 1965†	20	19,499	19,499*
Nov. 30, 1964-May 31, 1965†	78	76,749	76,749*
Dec. 11, 1964-June 11, 1965†	34	33,685	33,685*
Oct. 12, 1964-July 12, 1965†	255	250,696	250,696*
Oct. 19, 1964-July 19, 1965†	21	20,692	20,692*
Oy Tampella Ab (Finland)			
Dollar Promissory Note 6½%, Dec. 31, 1968† (guaranteed by Ab Nordiska Foreningsbanken)	1,000	1,000,000	1,000,000*
Rand Selection Corp. (Union of South Africa)			
Debenture 5½%, June 14, 1968† (guaranteed by Barclay's Bank, D.C.O.)	5,000	5,000,000	5,000,000*
Schering A. G. (West Germany)			
Promissory Notes 5½%, due semi-annually, Dec. 31, 1964-June 30, 1966†	2,000	1,987,668	1,987,668*
Westminster Investing Corp. (England)			
Participation in loan 5%, Mar. 1, 1966† (guaranteed by Martins Bank, England)	2,000	2,000,000	2,000,000*
	<u>\$37,309</u>	<u>\$37,173,094</u>	<u>\$37,128,254</u>
Convertible Notes and Debentures			
American Optical Co.			
4.40%, Oct. 1, 1980	\$350	\$376,564	\$458,500
Avis, Inc.			
6%, Apr. 1, 1970	800	917,402	960,000

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†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Baxter Laboratories 4%, Apr. 1, 1982	400	408,538	430,000
Boeing Airplane Co. 4½%, July 1, 1980	1,000	1,146,652	1,410,000
Cerro Corp. 5½%, Jan. 1, 1979	550	625,216	814,000
City Products Corp. 5%, June 1, 1982	1,000	1,003,787	1,290,000
Consolidated Electrodynamics Corp. 4½%, June 1, 1984	325	333,176	329,063
Control Data Corp. 3¾%, Feb. 1, 1989	850	867,000	896,750
Douglas Aircraft Co. 4%, Feb. 1, 1977	450	456,750	374,625
First National Bank of Atlanta 3½%, July 31, 1989	387	386,500	416,025
General American Oil Co. of Texas 4¾%, May 1, 1984	500	544,470	557,500
General Development Corp. 6%, May 1, 1975	700	763,875	582,750
General Foam Co. 6%, Oct. 1, 1981	300	294,050	281,250
Georgia-Pacific Corp. 4½%, Sept. 1, 1976†	800	800,000	800,000*
High Voltage Engineering Corp. 4¾%, May 1, 1973†	750	735,000	735,000*
Hitachi, Ltd. (Japan) 6½%, Sept. 30, 1977†	3,000	3,000,000	3,000,000*
Hooker Chemical Co. 5%, Sept. 15, 1984	600	717,554	732,000
Hunt Foods and Industries 4⅜%, July 1, 1986	950	1,090,509	947,625
International Silver Co. 5%, Aug. 1, 1981	200	227,508	348,000
Kawecki Chemical Co. 4⅞%, May 1, 1976	350	360,143	339,500
Keystone Steel & Wire Co. 4½%, Oct. 1, 1981	300	304,500	324,750

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94	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
J. Ray McDermott & Co. 5%, Aug. 1, 1972	800	875,124	914,000
Mitsubishi Electric Corp. (Japan) 6½%, due semi-annually, Sept. 30, 1972-78†	500	500,000	500,000*
Pan American World Airways 4½%, Jan. 15, 1984	1,000	1,241,975	1,228,750
Stouffer Foods Corp. 4¼%, Oct. 1, 1981	300	298,788	316,500
Xerox Corp. 4%, May 1, 1984	920	1,226,196	1,398,400
	<u>\$18,082</u>	<u>\$19,501,277</u>	<u>\$20,384,988</u>
Total — Bonds and Notes	<u>\$982,927</u>	<u>\$977,331,912</u>	<u>\$976,644,661</u>

Fixed and Special Deposits

Fixed Deposits

Banca Nazionale del Lavoro (Italy) 5¼%, due semi-annually, Jan. 15, 1965-66†	\$1,875	\$1,875,000	\$1,875,000*
Bank of London and Montreal (Nassau Branch) 5¼%, due annually, Feb. 4, 1967-68†	3,000	3,000,000	3,000,000*
Bank of Nova Scotia (Canada) 4¾%, Oct. 3, 1966† 5¼%, due annually, Mar. 10, 1967-71†	2,500 6,500	2,500,000 6,500,000	2,500,000* 6,500,000*
Bankers Trust Co. 4%, Jan. 15, 1965	3,000	3,000,180	2,999,880
Chase Manhattan Bank 4%, Oct. 13, 1964	5,000	5,000,203	5,000,139
First National Bank of Boston 4%, Oct. 30, 1964	2,000	2,000,127	2,000,093
Marine Trust Co. of Western N.Y. (Buffalo) 4%, Jan. 29, 1965	3,000	3,000,000	3,000,071
Morgan Guaranty Trust Co. 4%, Nov. 16, 1964 4%, Nov. 25, 1964	3,000 2,000	3,000,165 2,000,135	3,000,049 2,000,043
State Bank of India (New Delhi) 4%, Oct. 17, 1964 (Rupees 2,300,000) 4%, Feb. 6, 1965 (Rupees 8,200,000) 4%, Aug. 5, 1965 (Rupees 3,600,000)	483 1,722 756	483,000 1,722,000 756,000	483,000* 1,722,000* 756,000*
Toronto Dominion Bank 4.60%, Mar. 8, 1967†	3,000	3,000,000	3,000,000*
	<u>\$37,836</u>	<u>\$37,836,810</u>	<u>\$37,836,275</u>

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

	FACE AMOUNT (in thousands)	COST	MARKET (approximate)
Special Deposits			
Brooklyn Savings Bank	\$1,054	\$1,054,266	\$1,054,266*
Buffalo Savings Bank	2,108	2,108,398	2,108,398*
Dime Savings Bank of Brooklyn	1,045	1,045,192	1,045,192*
Dry Dock Savings Bank	4,217	4,217,036	4,217,036*
Greater New York Savings Bank	6,849	6,848,843	6,848,843*
Long Island City Savings Bank	2,636	2,635,648	2,635,648*
New York Bank for Savings	6,853	6,852,515	6,852,515*
South Brooklyn Savings Bank	1,570	1,570,366	1,570,366*
Union Square Savings Bank	527	526,804	526,804*
	<u>\$26,859</u>	<u>\$26,859,068</u>	<u>\$26,859,068</u>
Total — Fixed and Special Deposits	<u>\$64,695</u>	<u>\$64,695,878</u>	<u>\$64,695,343</u>

Common Stocks

	SHARES	COST	MARKET (approximate)
Bank, Insurance, and Finance			
Aetna Life Insurance Co.	23,000	\$2,584,792	\$4,209,000
American Express Co.	39,500	1,996,763	1,846,625
American Security & Trust Co. and affiliate, American Security Corp.	30,000	832,803	1,725,000
Atlantic Acceptance Corp.	25,000	485,469	406,250
Bank of America N.T. & S.A.	43,000	2,380,392	3,015,375
Chase Manhattan Bank	23,000	1,569,313	1,828,500
Crocker-Citizens National Bank	50,000	2,271,060	2,487,500
Federal Insurance Co.	27,500	1,821,586	2,048,750
First National Bank of Atlanta	32,000	1,729,831	2,152,000
First National Bank of Chicago	50,000	2,994,866	2,850,000
First National City Bank (N.Y.)	11,500	1,283,231	1,449,000
Georgia International Life Insurance Co.	75,000	750,000	2,662,500
Insurance Co. of North America	26,300	2,504,042	2,393,300
Life Insurance Co. of Virginia	19,000	1,032,329	1,249,250
Morgan Guaranty Trust Co.	21,500	2,359,640	2,553,125
National State Bank of Newark	37,000	1,603,663	1,392,125
Travelers Insurance Co.	104,000	3,094,337	4,719,000
Trust Co. of Georgia	2,000	221,700	280,000
United Virginia Bankshares	13,500	609,214	725,625
Wachovia Bank & Trust Co.	83,500	2,539,917	3,120,813
Western Bancorporation	73,000	2,552,563	3,120,750
Whitney Holding Corp.	28,500	1,495,638	1,496,250
		<u>\$38,713,149</u>	<u>\$47,730,738</u>

*Shown at cost—market quotation not available.

	SHARES	COST	MARKET (approximate)
Chemicals			
Dow Chemical Co.	44,000	\$2,810,156	\$3,256,000
duPont of Canada	34,500	1,023,910	1,877,780
E. I. duPont de Nemours & Co.	15,000	2,669,190	4,083,750
Eastman Kodak Co.	29,000	2,873,279	3,878,750
Ethyl Corp. warrants	48,000	667,564	667,564*
Hercules Powder Co.	76,000	3,004,208	3,296,500
Monsanto Co.	45,000	2,623,078	3,825,000
Union Carbide Corp.	43,000	5,045,737	5,541,625
		<u>\$20,717,122</u>	<u>\$26,426,969</u>
Construction			
Bestwall Gypsum Co.	59,000	\$1,983,398	\$2,109,250
Flintkote Co.	98,000	2,011,979	2,376,500
General Portland Cement Co.	34,000	1,002,820	790,500
Gustin-Bacon Manufacturing Co.	46,500	1,253,196	866,063
Ideal Cement Co.	78,000	2,010,175	1,745,250
Johns-Manville Corp.	45,000	2,355,820	2,430,000
United States Gypsum Co.	20,000	1,830,614	1,675,000
		<u>\$12,448,002</u>	<u>\$11,992,563</u>
Consumer Products			
Avon Products	10,000	\$1,400,806	\$1,555,000
Campbell Soup Co.	30,000	905,000	1,053,750
Coca-Cola Co.	18,000	1,547,372	2,430,000
Corn Products Co.	43,000	1,909,435	2,456,375
General Cigar Co.	41,500	1,496,147	2,780,500
General Foods Corp.	32,000	2,127,525	2,900,000
Gillette Co.	66,000	2,007,018	1,815,000
Great Atlantic & Pacific Tea Co.	71,000	3,086,781	2,831,125
Owens-Illinois Glass Co.	23,000	2,048,445	2,484,000
Procter & Gamble Co.	25,000	1,785,381	2,118,750
Ralston Purina Co.	39,000	1,243,824	1,243,125
Safeway Stores	49,000	3,007,647	3,368,750
Unilever N.V.	86,000	2,763,477	3,526,000
		<u>\$25,328,858</u>	<u>\$30,562,375</u>
Drugs			
Merck & Co.	52,500	\$1,441,547	\$2,264,063
Smith, Kline & French Laboratories	35,000	2,057,078	2,126,250
Sterling Drug	95,000	2,531,168	2,576,875
Upjohn Co.	55,000	2,498,623	2,811,875
		<u>\$8,528,416</u>	<u>\$9,779,063</u>

*Shown at cost—market quotation not available.

Electronics, Electrical Equipment, and Business Machines

Fairchild Camera & Instrument Corp.	13,000	\$1,010,012	\$307,125
General Electric Co.	42,000	3,101,511	3,753,750
International Business Machines Corp.	17,500	6,066,796	7,638,750
International Telephone & Telegraph Co.	28,000	1,566,274	1,582,000
Litton Industries	32,000	1,971,140	2,368,000
Philips' Incandescent Lamp Works Co.	61,500	2,996,086	2,736,750
Schlumberger, Ltd.	32,000	2,017,901	2,296,000
Texas Instruments	11,000	1,521,954	915,750
Westinghouse Electric Corp.	64,000	2,489,046	2,528,000
		<u>\$22,740,720</u>	<u>\$24,126,125</u>

Metals

Aluminium Ltd.	350,000	\$10,980,191	\$10,718,750
Aluminum Co. of America	23,000	1,589,558	1,506,500
International Nickel Co. of Canada	61,000	3,801,463	5,207,875
Newmont Mining Corp.	43,000	1,650,479	1,967,250
Republic Steel Corp.	18,000	1,019,767	875,250
United States Steel Corp.	41,000	2,984,312	2,521,500
		<u>\$22,025,770</u>	<u>\$22,797,125</u>

Oil and Gas

Amerada Petroleum Corp.	44,000	\$2,342,420	\$3,663,000
Barber Oil Corp.	500	43,939	45,125
Commonwealth Oil Refining Co.	55,000	533,250	501,875
Continental Oil Co.	21,000	1,136,299	1,551,375
Gulf Oil Corp.	47,000	1,903,350	2,790,625
Marathon Oil Co.	49,000	2,126,742	3,148,250
Panhandle Eastern Pipe Line Co.	47,000	2,846,479	3,689,500
Permian Corp.	53,000	1,494,370	655,875
Royal Dutch Petroleum Co.	131,000	4,764,086	6,058,750
Shell Oil Co.	69,500	2,910,884	3,587,938
Sinclair Oil Corp.	17,500	811,232	815,938
Socony Mobil Oil Co.	33,000	1,912,407	2,800,875
Standard Oil Co. of California	34,000	2,003,009	2,188,750
Standard Oil Co. (N.J.)	381,600	23,733,186	32,913,000
Texaco	67,500	3,872,700	5,644,688
		<u>\$52,434,353</u>	<u>\$70,055,564</u>

Paper and Publishing

Crown Zellerbach Corp.	50,000	\$2,518,055	\$2,950,000
Holt, Rinehart & Winston	31,500	1,005,211	819,000

	SHARES	COST	MARKET (approximate)
International Paper Co.	126,000	3,885,029	4,567,500
Pocket Books	60,000	744,053	330,000
Prentice-Hall	36,500	1,205,786	1,026,563
Weyerhaeuser Co.	45,000	1,525,027	1,783,125
		<u>\$10,883,161</u>	<u>\$11,476,188</u>
Public Utility			
American Electric Power Co.	59,000	\$1,807,217	\$2,714,000
American Telephone & Telegraph Co.	97,000	5,257,455	6,680,875
Arizona Public Service Co.	62,500	2,075,024	2,234,375
Baltimore Gas & Electric Co.	63,000	1,987,431	2,354,625
Central & South West Corp.	35,000	1,419,249	1,771,875
Consolidated Edison Co. of New York	22,000	1,928,822	2,103,750
Delaware Power & Light Co.	43,000	1,949,477	2,504,750
Duke Power Co.	69,000	2,002,329	5,019,750
Florida Power & Light Co.	30,000	1,915,034	2,497,500
Gulf States Utilities Co.	42,000	1,509,449	1,974,000
Houston Lighting & Power Co.	57,500	2,038,732	2,925,313
Kansas Power & Light Co.	43,000	1,919,101	2,601,500
Louisville Gas & Electric Co.	67,000	1,995,701	2,495,750
Northern Illinois Gas Co.	51,000	2,082,010	2,499,000
Oklahoma Gas & Electric Co.	91,000	1,761,538	2,809,625
Pacific Gas & Electric Co.	105,000	2,964,373	3,399,375
Public Service Co. of Colorado	82,000	2,003,448	2,757,250
Southern California Edison Co.	56,500	1,825,864	1,928,063
Southern Co.	52,500	2,749,014	3,386,250
Tampa Electric Co.	76,000	1,604,716	1,995,000
Texas Utilities Co.	32,000	1,463,511	2,000,000
Virginia Electric & Power Co.	58,000	2,095,750	2,842,000
		<u>\$46,355,245</u>	<u>\$61,494,626</u>
Retail Trade			
Montgomery Ward & Co.	28,000	\$1,047,354	\$1,113,000
J. C. Penney Co.	42,500	1,773,970	2,544,688
Sears Roebuck & Co.	47,500	3,196,445	5,795,000
		<u>\$6,017,769</u>	<u>\$9,452,688</u>
Others			
ACF Industries	34,000	\$1,468,028	\$2,873,000
American Commercial Lines	45,000	1,522,671	1,687,500
American Hospital Supply Corp.	78,000	1,785,904	1,794,000
American Machine & Foundry Corp.	30,000	994,585	562,500
Automatic Retailers of America	37,500	1,508,658	1,368,750
Brown Engineering Co.	22,200	148,000	316,350
Corning Glass Works	12,300	2,158,390	2,669,100
International Silver Co.	47,000	1,640,913	2,238,375

	SHARES	COST	MARKET (approximate)
Minnesota Mining & Manufacturing Co.	16,000	941,324	906,000
Polaroid Corp.	12,200	1,945,347	2,037,400
United Aircraft Corp.	50,000	2,404,637	2,950,000
United Air Lines	50,000	2,019,313	2,493,750
		<u>\$18,537,770</u>	<u>\$21,896,725</u>
Total — Common Stocks		<u>\$284,730,335</u>	<u>\$347,790,749</u>

Preferred Stocks

Associated Transport 6% Cumulative Convertible	4,000	\$292,000	\$452,000
Atlantic Acceptance Corp. 6% Convertible Second Preference Shares Series A†	45,000	1,000,000	1,000,000*
Delta Acceptance Corp. 5½% Cumulative Redeemable Sinking Fund First Preference Shares Series B† (with warrants to purchase 34,500 shares common stock)	11,500	1,113,775	1,113,775*
H. J. Heinz Co. \$3.50 Second Cumulative Convertible	2,500	253,500	262,813
Newmont Mining Corp. 4% Cumulative Convertible	3,000	261,931	381,000
Southern Nitrogen Co. 5½% Convertible Series A†	13,500	1,350,000	1,350,000*
Texas Eastern Transmission Corp. 5½% Subordinate Convertible	5,000	492,028	545,000
United Aircraft Corp. 4% Cumulative Convertible Series 1956	5,000	487,172	486,250
Total — Preferred Stocks		<u>\$5,250,406</u>	<u>\$5,590,838</u>
Total — Investments		<u>\$1,332,008,531</u>	<u>\$1,394,721,591</u>

Summary of Investments

Bonds and Notes	\$977,331,912	\$976,644,661
Fixed and Special Deposits	64,695,878	64,695,343
Common Stocks	284,730,335	347,790,749
Preferred Stocks	5,250,406	5,590,838
Total — Investments	<u>\$1,332,008,531</u>	<u>\$1,394,721,591</u>

*Shown at cost—market quotation not available.

†Acquired on a direct negotiated basis.

Statement of Appropriations

for the year ended September 30, 1964

(Appropriations are funds earmarked by approval of the trustees for subsequent grants and projects. The first and fourth columns show the balances of appropriations at the end of the respective fiscal years. The column in color shows appropriations approved during fiscal 1964. The third column shows the total grants and projects approved in 1964 from this year's or previous appropriations.)

	BALANCE Sept. 30, 1963	changes during the fiscal year NEW APPRO- PRIATIONS (Reductions)	GRANTS & PROJECTS APPROVED (Reductions)	BALANCE Sept. 30, 1964
Education in the United States				
Activation of television channels and networks; experiments in instructional television	\$1,475,374	(\$945)	\$52,667	\$1,421,762
Comprehensive school-improvement programs	10,500	2,289,000	435,000	1,864,500
Continuing adult education	125,000		100,000	25,000
Experiments in higher education for gifted students		3,000,000		3,000,000
Management training for small colleges	200,000		200,000	
Strengthening preparation of college teachers	2,155,007	(197,207)	187,000	1,770,800
Strengthening preparation of schoolteachers	1,073,450	550,000	1,073,000	550,450
Studies of the economics of education		(4,569)	(4,569)	
Summer programs for deprived students		150,000	150,000	
Vocational and technical education	343,000		343,000	
	<u>\$5,382,331</u>	<u>\$5,786,279</u>	<u>\$2,536,098</u>	<u>\$8,632,512</u>
Economic Development and Administration				
American Association of Homes for the Aging	\$37,950		\$37,950	
Economic studies of unpredictable changes		\$500,000		\$500,000
Graduate and faculty-research fellowships in economics and business administration	1,623,812	1,600,000	1,448,883	1,774,929
Graduate research seminars in economics		(186)	(186)	
Health economics and administration	245,000			245,000
Improvement of housing for older persons displaced by urban renewal	215,000		214,739	261
International business and economics research		617,000		617,000
Joint Council on Economic Education	248,750			248,750
Program on improved economic growth	362,500	600,000	444,128	518,372
Strengthening of business education	1,117,664	1,699,940	1,460,375	1,357,229
Studies of the utilization of manpower	206,000		112,250	93,750
Summer seminars for college economics teachers	142,259	(17,819)	124,440	
Training of overseas economists	65,000			65,000
	<u>\$4,263,935</u>	<u>\$4,998,935</u>	<u>\$3,842,579</u>	<u>\$5,420,291</u>

	BALANCE Sept. 30, 1963	changes during the fiscal year NEW APPRO- PRIATIONS (Reductions)		GRANTS & PROJECTS APPROVED (Reductions)	BALANCE Sept. 30, 1964
Public Affairs					
Career-education awards for government officials	\$1,250,000				\$1,250,000
Experiment in computer use for legal research	150,000				150,000
Graduate-student internships in state legislatures	158,972			\$88,000	70,972
National legal-aid and defender program	2,400,000			2,300,000	100,000
New York work-study program for school dropouts	340,000			304,000	36,000
North Carolina education, anti-poverty program	3,000,000				3,000,000
Pennsylvania-New Jersey-Delaware Metropolitan Project	185,000				185,000
Programs on human problems in urban gray areas	6,861,311	\$3,997,949		333,949	10,525,311
Research and action programs on juvenile delinquency	553,000	(1,241)		89,759	462,000
Research and experiments in legal education	3,500,000	(114)		(114)	3,500,000
Southeastern Michigan Metropolitan Community Research Corporation	350,000				350,000
Strengthening police administration and training		1,500,000		1,460,000	40,000
Studies in social-welfare policy and practice	400,000	(375,000)		25,000	
Studies in urban renewal	3,625	(303)		(14,084)	17,406
Survey of the administration of criminal justice	895,000				895,000
Technical assistance in nonprofit housing		2,250,000			2,250,000
Urban extension projects in universities		675,000			675,000
	<u>\$20,046,908</u>	<u>\$8,046,291</u>		<u>\$4,586,510</u>	<u>\$23,506,689</u>
Humanities and the Arts					
American resident theater program	\$2,940,000			\$204,300	\$2,735,700
Development of ballet performance and training	7,940,000			7,806,750	133,250
Development of civic opera companies	272,375				272,375
Experiments, demonstrations, and studies in the creative arts	921,100	\$1,247,800		1,224,300	944,600
Fellowships and grants-in-aid	2,205,240			1,046,575	1,158,665
Independent art schools and music conservatories	2,000,000	10,000,000		2,000,000	10,000,000
Monographs on living American artists	325,000				325,000
Production of new American operatic works	300,000				300,000
Publication of American museum catalogues	279,040			127,123	151,917
Research and training in archaeology		2,000,000			2,000,000
Training program for fine-arts museum personnel	1,000,000	1,000,000		1,000,000	1,000,000
Translations of foreign literature	1,500,000				1,500,000
	<u>\$19,682,755</u>	<u>\$14,247,800</u>		<u>\$13,409,048</u>	<u>\$20,521,507</u>
International Training and Research					
Expansion of Latin-American studies in United States universities	\$1,500,000	\$1,450,000		\$1,500,000	\$1,450,000
Foreign Area Training Fellowships		(6,444)		(6,444)	
Indian Law Institute		(2,241)		(2,241)	

	BALANCE Sept. 30, 1963	changes during the fiscal year		BALANCE Sept. 30, 1964
		NEW APPRO- PRIATIONS (Reductions)	GRANTS & PROJECTS APPROVED (Reductions)	
International studies in undergraduate colleges	7,000	2,500,000	1,775,000	732,000
Overseas professional service fellowships		3,000,000		3,000,000
Research on foreign areas and world problems		500,000	500,000	
	<u>\$1,507,000</u>	<u>\$7,441,315</u>	<u>\$3,766,315</u>	<u>\$5,182,000</u>
Science and Engineering				
Development of engineering design courses		\$1,500,000	\$288,000	\$1,212,000
European astronomical observatory in the Southern Hemisphere	\$1,000,000		1,000,000	
Forgivable loans to doctoral engineering students	3,170,000		1,551,644	1,618,356
Residencies in industry for engineering professors		60,000		60,000
Summer study for engineering faculty	400,000		300,000	100,000
University of Tennessee and Oak Ridge National Laboratory cooperative program	750,000		200,000	550,000
	<u>\$5,320,000</u>	<u>\$1,560,000</u>	<u>\$3,339,644</u>	<u>\$3,540,356</u>
International Affairs				
Activities to strengthen Atlantic partnership and international cooperation	\$45,490		\$27,479	\$18,011
Aid to Berlin educational and artistic institutions	638,000		435,000	203,000
Center for Human Sciences, Paris	475,000		185,000	290,000
Cultural-exchange program with Eastern Europe		\$846,019	794,519	51,500
Eisenhower Exchange Fellowships	120,000			120,000
Establishment of Atlantic Institute	150,000		50,000	100,000
Foreign Policy Association and World Affairs Center	25,000			25,000
Institute for Advanced Studies and Scientific Research, Vienna	750,000		250,000	500,000
Programs in Australia, Canada, and Japan	191,000	600,000	253,012	537,988
Research on Pitman Initial Teaching Alphabet		300,000	100,000	200,000
Rural Development College, Denmark	225,000		225,000	
Strengthening the press in Latin America	225,000		75,000	150,000
United Nations International School		7,500,000		7,500,000
	<u>\$2,844,490</u>	<u>\$9,246,019</u>	<u>\$2,395,010</u>	<u>\$9,695,499</u>
Population				
Evaluation and experimental programs		\$300,000		\$300,000
Reproductive-biology research and training	\$91,800	3,000,000	\$2,335,972	755,828
	<u>\$91,800</u>	<u>\$3,300,000</u>	<u>\$2,335,972</u>	<u>\$1,055,828</u>
Overseas Development				
General program	\$34,698,870	\$49,813,342	\$51,978,536	\$32,533,676
Family-planning and health program in India	4,355,000		2,371,800	1,983,200
	<u>\$39,053,870</u>	<u>\$49,813,342</u>	<u>\$54,350,336</u>	<u>\$34,516,876</u>

	BALANCE Sept. 30, 1963	changes during the fiscal year NEW APPROPRIATIONS (Reductions)	GRANTS & PROJECTS APPROVED (Reductions)	BALANCE Sept. 30, 1964
Miscellaneous and Concluded Programs				
Awards to Foundation-selected American and foreign scholars and leaders for travel and study	\$470,000	\$605,000	\$520,000	\$555,000
Behavioral sciences and mental health		(8,562)	(8,562)	
Expansion of services of voluntary hospitals		(12,061)	(12,061)	
Local philanthropic services in the Michigan area	90,000	500,000	510,000	80,000
National Fund for Medical Education	2,396,861		726,825	1,670,036
Planning and evaluation of Foundation programs	152,000		29,446	122,554
	<u>\$3,108,861</u>	<u>\$1,084,377</u>	<u>\$1,765,648</u>	<u>\$2,427,590</u>
Totals — Appropriations	<u>\$101,301,950</u>	<u>\$105,524,358</u>	<u>\$92,327,160†</u>	<u>\$114,499,148</u>

†This total includes grants of \$82,530,519 and projects of \$9,796,641. In addition to grants made out of appropriations, other grants made during the year totaled \$142,605,808 net. Thus, the grand total of grants during fiscal 1964 is \$225,136,327, as given on page 158.

Statement of Grants

for the year ended September 30, 1964

(The first and last columns show the unpaid balances of grants at the end of the respective fiscal years. The column in color shows grants approved in 1964. The third column shows payments on old and new grants during the 1964 fiscal year.)

Special Programs

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
College and University Development				
Comprehensive development of selected private universities				
Brandeis University	\$4,000,000			\$4,000,000
Brown University	5,575,828		\$2,298,702	3,277,126
Denver, University of	3,045,194		2,267,585	777,609
Johns Hopkins University	2,903,756		2,903,756	
New York University		\$25,000,000	4,000,000	21,000,000
Notre Dame, University of		6,000,000		6,000,000
Southern California, University of	5,500,000		5,136,233	363,767
Stanford University	16,103,318		16,103,318	
Tulane University		6,000,000	1,500,000	4,500,000
Comprehensive development of selected private liberal-arts colleges				
Albion College	1,550,000		377,074	1,172,926
Amherst College	1,468,796		1,468,796	
Antioch College	1,140,000			1,140,000
Austin College	1,275,000		6,807	1,268,193
Beloit College	1,250,000			1,250,000
Berea College	1,555,000		443,855	1,111,145
Bowdoin College	2,200,000			2,200,000
Bryn Mawr College	1,850,000		12,342	1,837,658
Carleton College	1,139,996		577,196	562,800
Coe College	1,100,000		51,678	1,048,322
Colby College	1,400,000		734,040	665,960
Colgate University		2,200,000	605,000	1,595,000
Colorado College	1,545,000		538,820	1,006,180
Cornell College	1,100,000			1,100,000
Denison University	1,089,479			1,089,479
Earlham College	1,050,000		483,111	566,889
Goucher College	723,638		723,638	
Grinnell College	1,522,036		787,755	734,281
Hamilton College	1,401,674		991,579	410,095
Hofstra University	850,000		216,793	633,207
Kalamazoo College	1,700,000			1,700,000
Knox College	1,300,000			1,300,000
Lafayette College	1,400,000			1,400,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Lake Forest College	1,500,000			1,500,000
Lawrence University of Wisconsin	1,500,000		295,268	1,204,732
Middlebury College		1,700,000	450,000	1,250,000
Mills College		2,200,000	400,000	1,800,000
Mount Holyoke College	1,880,000		980,492	899,508
Oberlin College	1,500,000			1,500,000
Occidental College	1,810,000		1,192,429	617,571
Oklahoma City University	1,675,000		13,822	1,661,178
Reed College	900,000		200,199	699,801
St. Catherine, College of	700,000			700,000
St. Lawrence University	1,500,000			1,500,000
St. Olaf College		2,200,000		2,200,000
St. Thomas, College of (Minn.)	1,150,000			1,150,000
St. Xavier College	1,016,677		414,262	602,415
Smith College	1,950,000			1,950,000
Stetson University	1,050,000			1,050,000
Swarthmore College	1,518,103		631,042	887,061
University of the South	1,845,000			1,845,000
Vassar College		2,500,000	500,000	2,000,000
Wabash College	1,113,887		970,469	143,418
Whitman College	1,068,000		6,703	1,061,297
Williams College	1,925,000			1,925,000
Wooster, College of	1,600,000			1,600,000
Faculty development and undergraduate scholarships at selected Negro colleges				
Atlanta University Center		3,000,000	3,000,000	
Bennett College		1,100,000	1,100,000	
Bishop College		1,500,000	1,500,000	
Dillard University		1,300,000	1,300,000	
Fisk University		1,300,000	1,300,000	
Hampton Institute		1,500,000	1,500,000	
Knoxville College		1,000,000	1,000,000	
LeMoyne College		1,000,000	1,000,000	
Tuskegee Institute		1,300,000	1,300,000	
United Negro College Fund				
Capital campaign for member colleges	5,000,000		2,361,347	2,638,653
Noncommercial Television				
Development of local educational stations				
Community Television of Southern California (KCET, Los Angeles)		500,000		500,000
Educational Broadcasting Corporation (WNDT, New York)	212,000		212,000	
Greater Washington (D.C.) Educational Television Association (WETA)		516,510		516,510
National Educational Television and Radio Center				
Programming for noncommercial television stations		6,000,000		6,000,000
Totals — Special Programs	\$99,152,382	\$67,816,510	\$63,856,111	\$103,112,781

Education in the United States

Fund for the Advancement of Education

Studies and experiments to improve education	\$2,000,000	\$2,000,000	
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Advancement of Educational Opportunity

Atlanta University

Reading-teacher training for Negro schools	125,000	125,000	
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George Peabody College for Teachers

Cooperative center to improve schools attended primarily by Negroes	500,000	500,000	
Southern Education Reporting Service information program on school desegregation	\$215,000	215,000	

Harvard University

Research on <i>de facto</i> school segregation	270,000	80,000	\$190,000
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National Merit Scholarship Corporation

National Achievement Scholarship Program	7,000,000	7,000,000	
National Merit Scholarship Program	12,500,000	1,000,000	11,500,000

Southern Association of Colleges and Schools

Regional counseling program for talented youngsters from deprived families	150,000		150,000
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Summer programs for deprived students

Cheyney State College	21,000	21,000	
Jackson State College	10,000	10,000	
National Association of Independent Schools	50,000	15,000	35,000
Palmer Memorial Institute	24,000	24,000	
St. Louis City School District	60,000	60,000	
Yale University	25,000	25,000	

School and College Improvement

California, University of (Los Angeles)

Improvement of use of programmed learning	556,000	66,000	490,000
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Comprehensive improvement programs in individual school systems

Bennington (Vt.) South Supervisory Union	237,000	96,000	141,000
Broward County (Fla.) Board of Public Instruction	385,000		385,000
California, University of (Santa Barbara County Schools)	340,000	155,000	185,000
Englewood (N.J.) Board of Education	250,000	84,000	166,000
Milton (Pa.) Area Joint Schools	224,000	68,000	156,000
Newton (Mass.) Public School System	84,000	84,000	
Norwalk (Conn.) Board of Education	86,200	86,200	
Puerto Rico Department of Education	425,000	198,210	226,790
Richmond (Va.) School Board	280,000	180,000	100,000
Union Free School District No. 12 (Brentwood, N.Y.)	219,000	116,000	103,000
University City (Mo.) School District	161,000	91,000	70,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Cooperative programs to improve education in small rural schools				
Arizona State Department of Public Instruction	26,000		26,000	
Colorado State Department of Education	128,000		64,000	64,000
Nevada State Department of Education	64,000		32,000	32,000
New Mexico State Department of Education	31,000			31,000
Utah State Department of Public Instruction	31,000			31,000
Dade County (Fla.) Board of Public Instruction				
English teaching for Spanish-speaking pupils	139,000			139,000
Educational Services Incorporated				
Revision of school curricula	795,000		397,500	397,500
Experiments in liberal-arts education				
Goddard College	32,000		32,000	
Hofstra University	68,000		34,000	34,000
Maintenance of educational standards in Alaska following 1964 earthquake				
Alaska Department of Education		24,000	19,000	5,000
Alaska Methodist University		160,000	160,000	
Alaska, University of		220,000	220,000	
Anchorage Independent School District		484,000	339,000	145,000
Board of National Missions (United Presbyterian Church)		20,000	20,000	
Cordova Public School District		13,000	9,000	4,000
Kodiak Independent School District		45,000	32,000	13,000
Seward School District		34,000	24,000	10,000
Oregon State Department of Education				
Statewide program to improve schools and preparation of teachers	1,330,000			1,330,000
Prince Edward Free School Association				
School operations in Prince Edward County, Va.	250,000		250,000	
Public Education Association				
Programs to use laymen as school volunteers		353,000	96,000	257,000
Teacher Education				
Greenwood Fund				
John Hay Fellows Program for advanced study by high-school teachers	1,688,000		1,020,000	668,000
Harvard University				
Development of Graduate School of Education		1,300,000	850,000	450,000
National program to strengthen preparation of teachers for colleges and universities				
Arizona, University of	165,000			165,000
Brown University	72,000			72,000
California, University of (Santa Barbara)	23,000		23,000	
Chicago, University of	750,000		225,000	525,000
Cincinnati, University of	66,000		35,000	31,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Colorado, University of	156,000		85,000	71,000
Cornell University	249,000		72,090	176,910
Denver, University of	155,000		50,000	105,000
Duke University	210,000		45,000	165,000
Emory University	172,000			172,000
Florida State University	220,000		43,400	176,600
Florida, University of	85,000			85,000
Georgia, University of	84,000		26,500	57,500
Indiana University	19,000			19,000
Iowa, State University of	20,000		10,000	10,000
Kansas State University	55,000		55,000	
Louisville, University of	78,000			78,000
Michigan, University of	60,000			60,000
Missouri, University of	105,000		45,000	60,000
Monterey Institute of Foreign Studies		137,000	41,000	96,000
Nebraska, University of	297,500		57,500	240,000
New Hampshire, University of	56,000		56,000	
New Mexico, University of	71,000		44,000	27,000
New York University	343,000			343,000
North Carolina, University of	49,500			49,500
North Carolina, University of (Woman's College)	34,000		15,000	19,000
Rice University	162,000		54,000	108,000
St. Louis University	80,000		40,000	40,000
Southern Methodist University	145,000			145,000
Stanford University	145,000		63,000	82,000
Stetson University	88,000			88,000
Tufts University	60,000		60,000	
Tulane University	548,000		220,000	328,000
Utah, University of	102,000		51,000	51,000
Vanderbilt University	48,000			48,000
Virginia, University of	219,000			219,000
Washington University	175,000		10,000	165,000
Washington, University of	95,000		66,000	29,000
Wyoming, University of	165,700		46,000	119,700
National program to strengthen preparation of teachers for elementary and secondary schools				
Brown University	349,000		349,000	
California, University of (Berkeley)		253,000	61,900	191,100
California, University of (Los Angeles)	600,000			600,000
Carnegie Institute of Technology	228,350		90,000	138,350
Colgate University		130,000	130,000	
Colorado State College		192,000	82,000	110,000
Converse College	280,000		30,000	250,000
Emory University	315,000			315,000
Fairleigh Dickinson University	240,000			240,000
George Washington University	267,000			267,000
Hawaii, University of	132,000		62,000	70,000
Indiana University	747,200			747,200
Kansas City, University of	100,000	(245,321)	(145,321)	
Kansas State University	24,000		24,000	
Marshall University	25,000		25,000	
Miami University (Ohio)	58,150			58,150
Middlebury College	15,000		15,000	
Missouri, University of		245,321	215,321	30,000
Northwestern University	195,000		65,000	130,000
Notre Dame, University of	118,275			118,275

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Oberlin College	14,136			14,136
Pittsburgh, University of	175,000		100,000	75,000
Reed College	59,000		20,000	39,000
Syracuse University		378,000	86,000	292,000
Vanderbilt University		120,000		120,000
Webster College	388,000		58,000	330,000
Wisconsin, University of	400,000			400,000
Woodrow Wilson National Fellowship Foundation				
Fellowships for prospective college teachers	9,000,000			9,000,000
Vocational Education				
American Institute for Research				
Research on vocational and technical education	297,000		193,500	103,500
City College of San Francisco Hotel and Restaurant Foundation				
High-school studies for food-service work		75,000	38,000	37,000
Cogswell Polytechnical College				
Pretechnical curriculum in high schools in San Francisco area	95,000		70,000	25,000
Newton (Mass.) Public School System				
Establishment of vocational curricula in comprehensive high schools		430,000		430,000
Oklahoma State University				
Vocational and educational rehabilitation program for high-school dropouts		185,000	90,000	95,000
Stout State University				
Industrial arts studies for Wisconsin schools		65,000	65,000	
Wisconsin, University of				
New research center on vocational education		820,000		820,000
Educational Management and Economics				
American Council on Education				
Administrative internships in higher education		4,750,000		4,750,000
Services to advance higher education	1,200,000		400,000	800,000
Educational data processing systems				
Iowa, State University of		750,000	150,000	600,000
New England School Development Council		490,000	299,000	191,000
Experiments in criteria for college admission				
Brown University	80,000			80,000
Williams College	112,500		12,500	100,000
Institute of International Education				
Awards to Foundation-selected American and foreign scholars and leaders for travel and study		35,000	35,000	

110	changes during the fiscal year			UNPAID Sept. 30, 1964
	UNPAID Sept. 30, 1963	GRANTS (Reductions)	PAYMENTS (Refunds)	
Knox College				
Management training for officials of small colleges		200,000	200,000	
Michigan State University				
Study to improve curriculum and use of resources		440,000	194,200	245,800
Ontario Curriculum Institute				
Research on school and university curricula		350,000	100,000	250,000
Continuing Education				
Oklahoma, University of				
University Council on Education for Public Responsibility		100,000	100,000	
Radcliffe College				
Scholarships and career guidance for women at Institute for Independent Study		250,000	250,000	
Educational Television				
American Association of Colleges for Teacher Education				
Nationally televised physics course		(27,517)	(27,517)	
Development of instructional television				
Maine Department of Education	20,000		14,000	6,000
Midwest Program on Airborne Television Instruction	1,394,000		1,394,000	
Washington County (Md.) Board of Education				
Report on instructional-television experiment		40,000	40,000	
Totals — Education in the United States	<u>\$42,004,511</u>	<u>\$24,146,483</u>	<u>\$22,347,983</u>	<u>\$43,803,011</u>

Economic Development and Administration

Research on Economic Problems

American Economic Association

Preparation of volume of economic abstracts	\$30,000		\$30,000	
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Analysis of economic growth and technology

Carnegie Institute of Technology		(\$3,872)	(3,872)	
Chicago, University of	105,000		35,000	\$70,000
Harvard University	85,000		30,000	55,000
Massachusetts Institute of Technology	162,000			162,000
Michigan, University of		159,000	75,000	84,000
National Planning Association		96,500	96,500	
Princeton University	150,000		73,700	76,300
Yale University	173,000		44,000	129,000

111	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Brookings Institution				
National research program in public finance	650,000		250,000	400,000
Research and education on public issues	2,000,000	110,500	610,500	1,500,000
Chicago, University of				
Activities in health economics and administration	100,000		58,000	42,000
Columbia University				
Research on economic effect of arms control	92,000		46,000	46,000
Michigan, University of				
Research and training on consumer behavior	30,000		30,000	
National Bureau of Economic Research				
Study of productivity in service industries	247,000		125,000	122,000
Queen's University at Kingston				
Canadian Institute of Economic Research	46,005		20,000	26,005
Resources for the Future, Inc.				
Research and education on natural resources	7,000,000		1,400,000	5,600,000
Research and training in urban economics		900,000		900,000
Social Science Research Council				
Industry research based on census data		(3,232)	(3,232)	
Wisconsin, University of				
Computer simulation of national economy	134,000		134,000	
Development of Human Resources				
Columbia University				
Training of successful businessmen and professionals for nonprofit fields	75,000		25,000	50,000
National Industrial Conference Board				
Study of Negro employment		195,000	195,000	
Princeton University				
Interuniversity study of human resources in industrializing countries	150,000			150,000
Research on use of the nation's manpower				
American Friends Service Committee	20,000		20,000	
California, University of (Berkeley)	233,000		118,000	115,000
National Industrial Conference Board		112,250	112,250	
Wisconsin, University of	90,000			90,000
International Economics				
American Economic Association				
Interuniversity service on foreign-student selection		83,000		83,000

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Economic-growth studies of advanced nations				
Brookings Institution		82,000	82,000	
George Washington University		(1,923)	(1,923)	
National Institute of Economic and Social Research (London)	56,207	(1,032)	26,723	28,452
Social Science Research Council	205,000		30,000	175,000
Graduate training programs in economic development for foreign students				
Institute of International Education	250,000		75,000	175,000
Vanderbilt University	309,300		28,000	281,300
Williams College	500,000		500,000	
Yale University	150,000		50,000	100,000
International Economic Association				
Education in less-developed countries	35,000		35,000	
Business Education				
California, University of (Los Angeles)				
Western Management Science Center	466,000			466,000
Graduate business-school development				
Columbia University	150,000	797,898	847,898	100,000
New York University	352,000		101,248	250,752
North Carolina, University of	40,000		12,600	27,400
Northwestern University	87,000		87,000	
Pennsylvania, University of	318,000			318,000
Purdue University	100,000		100,000	
Western Ontario, University of		315,000	63,000	252,000
Preparation of business-teaching materials				
American Association of Collegiate Schools of Business	13,000			13,000
Southern Regional Education Board	45,000		45,000	
Research in business administration by senior professors and doctoral students				
Columbia University		25,000	25,000	
Illinois, University of		25,000	25,000	
Michigan State University		25,000	25,000	
Pennsylvania, University of		50,000	50,000	
Princeton University		25,000	25,000	
Yale University		25,000	25,000	
Research in finance, management, marketing, and organizational behavior				
California, University of (Berkeley)	596,007		100,000	496,007
Carnegie Institute of Technology	360,000	400,000		760,000
Chicago, University of	460,000	200,000	50,000	610,000
Harvard University	900,000		150,000	750,000
Massachusetts Institute of Technology	510,000		30,000	480,000
Stanford University	600,000		400,000	200,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Summer workshops in business administration				
California, University of (Berkeley)		(2,901)	(2,901)	
Chicago, University of		64,900	64,900	
Harvard University		120,000	120,000	
Indiana University		94,124	94,124	
New York University		52,500	52,500	
Pittsburgh, University of		47,100	47,100	
Economic Education				
Clergy Economic Education Foundation				
Economic education for clergymen	100,000		50,000	50,000
Graduate training in economics				
Brown University	145,000			145,000
Harvard University	25,000		25,000	
Massachusetts Institute of Technology	150,000		50,000	100,000
Indiana University				
Residence program in labor education	52,500		30,000	22,500
Joint Council on Economic Education				
Preparation of economics material for high schools	25,000			25,000
Program to advance economic understanding	825,000		150,000	675,000
Summer seminars for teachers of economics in liberal-arts colleges				
Chicago, University of		23,500	23,500	
Cornell University		23,500	23,500	
Duke University		20,000	20,000	
Harvard University		23,000	23,000	
Northwestern University		(3,092)	(3,092)	
Rice University		(4,008)	(4,008)	
Syracuse University		(2,459)	(2,459)	
Texas, University of		21,500	21,500	
Washington, University of		22,500	22,500	
Fellowships in Economics and Business Studies				
Doctoral, Dissertation, and Faculty Research Fellowships: 1961-65				
British Columbia, University of		4,770	4,770	
Brown University		18,067	18,067	
Bucknell University		7,619	7,619	
California, University of (Berkeley)		68,083	68,083	
California, University of (Los Angeles)		20,118	20,118	
Carnegie Institute of Technology		109,785	109,785	
Chicago, University of		149,225	149,225	
Columbia University		66,035	66,035	
Cornell University		17,468	17,468	
Dartmouth College		5,850	5,850	
Duke University		17,156	17,156	
Duquesne University		7,108	7,108	
Florida, University of		9,708	9,708	
Hartford, University of		6,343	6,343	

	changes during the fiscal year			UNPAID Sept. 30, 1964
	UNPAID Sept. 30, 1963	GRANTS (Reductions)	PAYMENTS (Refunds)	
Harvard University		56,473	56,473	
Hawaii, University of		18,048	18,048	
Illinois, University of		8,550	8,550	
Indiana University		79,103	79,103	
Manhattan College		6,188	6,188	
Massachusetts Institute of Technology		99,021	99,021	
Massachusetts, University of		14,326	14,326	
Michigan State University		38,554	38,554	
Michigan, University of		42,408	42,408	
Minnesota, University of		70,585	70,585	
New York University		6,140	6,140	
North Carolina, University of		6,310	6,310	
Northwestern University		39,390	39,390	
Oregon, University of		13,585	13,585	
Pennsylvania State University		13,513	13,513	
Pennsylvania, University of		32,183	32,183	
Pittsburgh, University of		10,863	10,863	
Princeton University		29,750	29,750	
Purdue University		33,325	33,325	
Rensselaer Polytechnic Institute		8,190	8,190	
Research Foundation of State University of New York		14,417	14,417	
Rochester, University of		22,011	22,011	
San Fernando Valley State College		7,412	7,412	
Southern California, University of		5,875	5,875	
Southern Methodist University		7,713	7,713	
Stanford University		81,208	81,208	
Syracuse University		5,258	5,258	
Texas, University of		39,262	39,262	
Texas, University of (Texas Western College)		12,760	12,760	
Virginia, University of		5,742	5,742	
Washington, University of		39,377	39,377	
Williams College		(1,340)	(1,340)	
Wisconsin, University of		39,847	39,847	
Yale University		35,200	35,200	
Problems of the Aging				
Brandeis University				
Evaluation of local services for older persons	120,000		50,000	70,000
Economic and social studies of health problems of the aged				
Michigan, University of	140,000		70,000	70,000
Rochester, University of	115,000		90,000	25,000
National Council on the Aging				
American Association of Homes for the Aging		157,950	82,950	75,000
General support of council's activities	230,000		70,000	160,000
Pilot projects to resettle older persons displaced by urban renewal				
Community Welfare Council of San Antonio		50,000	50,000	
Pennsylvania, University of	161,246	25,000	25,000	161,246
Providence (R.I.), City of		35,000	35,000	
San Francisco Council of Churches		50,000	50,000	
United Neighborhood Houses of New York		55,000	55,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Training, curriculum, and teaching materials in aging				
American Public Welfare Association	540,000		130,000	410,000
Council on Social Work Education	96,000		32,000	64,000
Family Service Association of America	65,341		65,341	
Russell Sage Foundation	350,000		60,000	290,000
University College London				
Research on employment of the aged	62,000		21,000	41,000
Totals — Economic Development and Administration	<u>\$21,276,606</u>	<u>\$5,937,785</u>	<u>\$9,647,429</u>	<u>\$17,566,962</u>

Public Affairs

Community Development

Action, Inc.

Technical assistance to nonprofit housing groups and local development funds	\$24,400	\$573,846	\$23,246	\$575,000
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California Institute for Local Self Government

Liaison with community-development programs	20,625		20,625	
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Comprehensive projects on the human problems of transitional areas

Action for Boston Community Development, Inc.	1,500,000		733,225	766,775
Community Progress, Inc. (New Haven, Conn.)	1,056,925	75,000	932,925	199,000
North Carolina Fund	4,000,000		533,800	3,466,200
Oakland, California, City of	928,315		444,315	484,000
Philadelphia Council for Community Advancement	1,429,000		779,657	649,343

National Association of Social Workers' Research and Education Fund

Study and discussions of social welfare		25,000	25,000	
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School-community projects to improve education in depressed urban neighborhoods

Chicago Board of Education	147,000			147,000
Cleveland Board of Education	44,100		44,100	
Detroit Board of Education	76,800	(2,051)	74,749	
Philadelphia Board of Education	40,000		40,000	
San Francisco Unified School District	50,000		50,000	
Syracuse City School District	91,000		75,000	16,000
Washington (D.C.) Board of Education	85,000	5,000	90,000	

United Planning Organization (Washington, D.C.)

Planning of a community-development program		261,000	261,000	
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Youth Opportunities

Canadian Education Association

Study of U.S. programs for disadvantaged children	25,000		25,000	
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	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Columbia University				
Study of New York City day-care program		9,300	9,300	
Experiments to reduce juvenile delinquency				
Chicago Boys Clubs	352,435		167,000	185,435
Los Angeles County Probation Department	25,800			25,800
Metropolitan Youth Development Council (Seattle)		91,000	91,000	
Phoenix Welfare Foundation	147,000		147,000	
United Community Fund of San Francisco	452,000			452,000
Y.M.C.A. of Metropolitan Chicago	41,275		31,275	10,000
Experiments and research in treatment and rehabilitation of juvenile delinquents				
Copenhagen, University of	67,000		67,000	
National Council on Crime and Delinquency	205,000		205,000	
New Jersey Board of Control, Department of Institutions and Agencies	25,000		25,000	
Mobilization for Youth, Inc.				
Improvement of educational and job opportunities for youth in a New York City neighborhood	707,000		237,000	470,000
National Child Labor Committee				
Symposium on youth employment		25,000	25,000	
New York City Board of Education				
Work-study program to reduce dropouts		304,000	134,000	170,000
Preschool educational programs for culturally disadvantaged children				
Baltimore Department of Education	44,000			44,000
New York Medical College, Flower and Fifth Avenue Hospitals	80,000	383,500	91,500	372,000
Pennsylvania Department of Public Instruction	410,000		114,000	296,000
Research on delinquency prevention and control				
Michigan, University of	85,380		85,380	
Rutgers University		(1,241)	(1,241)	
Social Science Research Council		(14,447)	(14,447)	
Southern California, University of	558,841		171,600	387,241
Syracuse University	602,148		142,120	460,028
Youth Research, Inc.	210,000		54,350	155,650
Administration of Justice				
American Law Institute				
Preparation of a model code on prearraignment	172,000			172,000
Study of Federal and state court jurisdiction	103,000			103,000
Association of the Bar of the City of New York Fund				
Study of the effect of local radio and television coverage on the right to a fair trial		25,000	25,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Experiments and research in legal services for indigent persons accused of crimes				
American Bar Foundation	15,000			15,000
Institute of Judicial Administration	57,500	266,000	167,500	156,000
National Legal Aid and Defender Association		4,300,000	1,519,075	2,780,925
Georgetown University				
Experimental project for persons unable to afford bail; internships in criminal law	345,000		65,000	280,000
Illinois State Bar Association Foundation				
Study of use of impartial medical testimony	13,000			13,000
Improvement of juvenile-court procedures				
National Council on Crime and Delinquency		100,000		100,000
National Juvenile Court Foundation		730,000		730,000
Pittsburgh, University of				
Experiment with computers in legal research	116,374		71,760	44,614
Police administration and training				
International Association of Chiefs of Police		400,000	116,200	283,800
Louisville, University of	40,000	500,000	90,000	450,000
Northwestern University		300,000	60,000	240,000
Wisconsin, University of		260,000		260,000
Legal Education				
Howard University				
Law-school development and scholarships		1,800,000		1,800,000
Improving the role of law and justice in social problems				
Association of American Law Schools		228,000	100,000	128,000
Walter E. Meyer Research Institute of Law	500,000		71,000	429,000
Research and training in law and public affairs				
American Bar Foundation	350,000		100,000	250,000
Law Faculty Fellowships	81,418		62,365	19,053
National Legal Aid and Defender Association	225,000		100,000	125,000
Notre Dame, University of	31,000			31,000
Pennsylvania, University of	114,040			114,040
Vanderbilt University	38,000			38,000
Teacher-training in law schools				
Columbia University	100,000		25,000	75,000
Harvard University	150,000		50,000	100,000
New York University	52,500		52,500	
Wisconsin, University of		(3,700)	(3,700)	
Minorities and Race Relations				
Association of the Bar of the City of New York Fund				
Study of delays in enforcement of civil rights		25,000	25,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
California, University of (Los Angeles)				
Study of social, political, and economic conditions of Mexican-Americans		450,000	137,000	313,000
Howard University				
Fellowships to prepare Negroes for careers in foreign-affairs agencies	600,000		27,700	572,300
Morgan State College				
Development of Negro public leadership	175,000		41,000	134,000
National Conference of Christians and Jews				
Education on religious problems in public affairs	197,000		197,000	
National Urban League				
Placement of young Negroes in career jobs	55,000			55,000
United States Conference of Mayors				
Community advisory service on racial problems		388,500	129,500	259,000
Urban and Regional Affairs				
American Law Institute				
Research and model laws for zoning and land use	500,000		100,000	400,000
American Public Works Association				
Study of public-works research problems		(1,862)	(1,862)	
Development of urban extension, research, and education programs				
ACTION-Housing, Inc. (Pittsburgh)	190,000	150,000	75,000	265,000
California, University of (Berkeley)	53,250			53,250
Delaware, University of	250,000		250,000	
Missouri, University of	35,000		35,000	
National 4-H Club Foundation of America		2,350	2,350	
Oklahoma, University of		5,000	5,000	
Purdue University	37,419		37,419	
Wisconsin, University of		250,000	250,000	
Institute of International Education				
Conference on socially handicapped families		16,000	16,000	
Institute of Public Administration				
Clearinghouse for research on urban problems		(13,457)	(13,457)	
Comparative urban research and training based on Calcutta planning project	332,509		101,671	230,838
Local philanthropic support of community research and experiments				
Cleveland Foundation	750,000		750,000	
Kansas City Association of Trusts and Foundations	550,000		250,000	300,000
Texas, University of (Hogg Foundation)	500,000		125,000	375,000
Massachusetts Institute of Technology				
Joint Center for Urban Studies (with Harvard)	400,000			400,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
National Association of Counties Research Foundation				
Research, reporting, and advisory services	200,000		80,000	120,000
National Association of Housing and Redevelopment Officials				
Seminars on public-housing design		25,000	25,000	
National Municipal League				
Information services on legislative apportionment	50,000		50,000	
Research, studies, and education on urban and regional problems				
American Institute for Municipal Research, Education, and Training				
California, University of (Berkeley)	200,000	(17,259)	(17,259)	75,000
Canadian Council on Urban and Regional Research	360,000		125,000	360,000
Chicago, City of		8,000	8,000	
Council of the Southern Mountains	250,000		80,000	170,000
Florida State University		200,000	45,000	155,000
Governmental Affairs Institute		25,000	25,000	
North Carolina, University of	34,000			34,000
Oahu Development Conference		10,000	10,000	
Pennsylvania, University of	134,879			134,879
Pittsburgh Regional Planning Association		4,500	4,500	
Pratt Institute		25,000	25,000	
Regional Plan Association		750,000	236,000	514,000
Rutgers University		3,625	3,625	
Southeastern Michigan Metropolitan Community Research Corporation	150,000		150,000	
Upper Midwest Research and Development Council	150,000		150,000	
Urban Land Institute		25,000	25,000	
Washington (D.C.) Center for Metropolitan Studies	150,000		75,000	75,000
Wilkes College	35,000			35,000
Research and Training on Government				
American Assembly				
Arden House meeting and regional conferences		85,000	85,000	
American Political Science Association				
Fellowships to Congressional staff members for study and research at universities	471,000		57,000	414,000
Program for local political reporters	50,000		50,000	
Citizens Union Research Foundation				
Report on problems of corruption in government	15,000		15,000	
Dartmouth College				
Survey of education for public service	25,000	(25,000)		
Fellowships and internships in public service				
American Political Science Association	119,500			119,500
California, University of (Berkeley)	54,125		54,125	
Hawaii, University of	45,640			45,640

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Hunter College	40,000		20,000	20,000
Illinois, University of	96,033		24,033	72,000
Indiana University	78,000		20,000	58,000
Kansas, University of	95,000		19,000	76,000
Michigan State University	146,500		22,500	124,000
New York City Board of Higher Education	54,000		54,000	
Ohio State University	102,500		39,500	63,000
Oklahoma State Legislative Council	87,800		19,500	68,300
Puerto Rico, University of	86,000		26,000	60,000
Texas Legislative Council		88,000	15,600	72,400
Washington, University of	60,200			60,200
Wisconsin, State of, Legislative Council	180,000			180,000
Institute of International Education				
Awards to Foundation-selected American and foreign scholars and leaders for travel and study		100,000	100,000	
National Center for Education in Politics				
Education in public affairs for college students	150,000		90,000	60,000
National Institute of Public Affairs				
Career-education program for Federal employees	972,000		234,000	738,000
Preparation of Woodrow Wilson papers				
Princeton University		165,923	165,923	
Woodrow Wilson Foundation		(165,923)	(165,923)	
Princeton University				
Textbook on state and local government	19,000			19,000
Research professorships in governmental affairs				
California, University of (Berkeley)	75,000		37,500	37,500
Columbia University	75,000			75,000
Harvard University	50,000		41,600	8,400
Princeton University	62,500			62,500
Yale University	50,000			50,000
Social Science Research Council				
National senior research program in government		375,000	375,000	
Totals — Public Affairs	<u>\$25,633,731</u>	<u>\$13,593,604</u>	<u>\$13,644,724</u>	<u>\$25,582,611</u>

Humanities and the Arts

Experiments and Development in the Theater

American Federation of Arts

Catalogue of experimental theater designs	\$13,000	\$13,000
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American Place Theatre

Production of new plays	225,000	\$225,000
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	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Arts of the Theatre Foundation				
Development of portable theater structure		75,000	10,000	65,000
Cooperative program among nonprofit theater companies				
Carnegie Institute of Technology	\$141,500		141,500	
Theatre Communications Group		795,000		795,000
Phelps-Stokes Fund				
Study of theater opportunities for Negro artists		16,500	16,500	
Resident theater program				
Actor's Workshop, San Francisco	168,500		98,500	70,000
Alley Theatre, Houston	2,100,000		1,000,000	1,100,000
American Shakespeare Festival Theatre and Academy, Stratford (Conn.)	143,000	196,800	143,000	196,800
California, University of (Theatre Group)	500,000			500,000
Drama, Inc., Milwaukee (Fred Miller Theatre)	50,000			50,000
Minnesota Theatre Company Foundation, Minneapolis (Tyrone Guthrie Theatre)	102,000			102,000
Mummers Theatre, Oklahoma City	1,250,000		700,000	550,000
Stratford Shakespearean Festival of Canada	48,000		24,000	24,000
Washington (D.C.) Drama Society (Arena Stage)				
Demonstration in resident repertory theater	45,254	(454)	44,800	
Development Programs in the Arts				
Ballet training and resources				
Boston Ballet Company		144,000	48,000	96,000
City Center of Music and Drama (N.Y.)		2,000,000	200,000	1,800,000
Houston Foundation for Ballet		173,750	34,750	139,000
National Ballet Society (Washington, D.C.)		400,000	80,000	320,000
San Francisco Ballet Company		644,000		644,000
School of American Ballet		3,925,000	325,000	3,600,000
School of the Pennsylvania Ballet Company		345,000	95,000	250,000
Utah Ballet Society		175,000	35,000	140,000
Development of civic opera				
Baltimore Civic Opera Co.	120,000		24,000	96,000
Central City Opera House Association (Colo.)	175,000			175,000
Chautauqua Opera Association (N.Y.)	100,000		20,000	80,000
Cincinnati Summer Opera Association	100,000		20,000	80,000
Fort Worth Civic Opera Association	100,000		40,000	60,000
Houston Grand Opera Association	150,000		30,000	120,000
Kansas City Lyric Theatre (Mo.)	75,000		15,000	60,000
New Orleans Opera House Association	150,000		30,000	120,000
Opera Association of New Mexico	170,000		68,000	102,000
Opera Guild of Miami	100,000		20,000	80,000
Opera Society of Washington (D.C.)	177,625		70,250	107,375
Spring Opera of San Francisco	125,000		75,000	50,000
Symphony Society of San Antonio	185,000		80,000	105,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Music Educators National Conference				
Advancement of creative aspects of music in public schools	1,202,000		246,000	956,000
New York Pro Musica Antiqua				
Production of early music and musical dramas	327,000		11,000	316,000
Scholarships for students in independent art and music schools				
Art Academy of Cincinnati		25,000	5,000	20,000
Art Association of Indianapolis		20,000		20,000
Art Institute of Chicago		160,000	32,000	128,000
Art Students' League of New York		140,000	28,000	112,000
Atlanta Art Association		20,000		20,000
California College of Arts and Crafts		45,000	9,000	36,000
California Institute of the Arts				
Chouinard Art School		20,000	4,000	16,000
School of Music		20,000	4,000	16,000
Cleveland Institute of Art		55,000		55,000
Cleveland Institute of Music		40,000	8,000	32,000
Columbus Gallery of Fine Arts		20,000	4,000	16,000
Cooper Union		30,000	5,000	25,000
Corcoran Gallery of Art		25,000	5,000	20,000
Cranbrook Academy of Art		30,000	6,000	24,000
Dayton Art Institute		20,000	4,000	16,000
Juilliard School of Music		170,000	34,000	136,000
Kansas City Art Institute		55,000	11,000	44,000
Layton School of Art		20,000	4,000	16,000
Manhattan School of Music		150,000	30,000	120,000
Mannes College of Music		40,000	8,000	32,000
Maryland Institute		25,000	5,000	20,000
Memphis Academy of Arts		20,000		20,000
Minneapolis Society of Fine Arts		50,000	10,000	40,000
Museum of Fine Arts (Boston)		95,000	19,000	76,000
New England Conservatory of Music		75,000	15,000	60,000
Otis Art Institute		20,000	4,000	16,000
Peabody Conservatory of Music		65,000	13,000	52,000
Pennsylvania Academy of Fine Arts		55,000	11,000	44,000
Philadelphia Museum of Art		75,000	15,000	60,000
Portland Art Association		35,000		35,000
Pratt Institute		95,000	19,000	76,000
Rhode Island School of Design		150,000	30,000	120,000
San Francisco Art Institute		75,000	15,000	60,000
San Francisco Conservatory of Music		20,000	4,000	16,000
Society of Arts and Crafts (Detroit)		20,000	4,000	16,000
Worcester Art Museum		20,000	4,000	16,000
Training of fine-arts museum personnel				
New York University		225,000	225,000	
Yale University		356,500	356,500	
Young Audiences, Inc.				
Professional music performances in schools		582,000		582,000

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Experiments and Demonstrations				
American Federation of Arts				
Residence program in regional museums and art centers for American artists	114,700		57,300	57,400
Catalogues of fine-arts museums collections				
Art Association of Indianapolis		10,000	10,000	
Cleveland Museum of Art		12,500	12,500	
Harvard University		9,562	9,562	
Library of Congress		12,500	12,500	
Museum of Modern Art (N.Y.)		12,500	12,500	
Nelson Gallery Foundation		10,212	10,212	
New York Historical Society		11,137	11,137	
Smithsonian Institution		(1,288)	(1,288)	
Sterling and Francine Clark Art Institute		12,500	12,500	
Walters Art Gallery		12,500	12,500	
Worcester Art Museum		25,000	25,000	
City Center of Music and Drama (New York)				
Production of contemporary operas	105,000	250,000	125,000	230,000
Columbia University				
Experiments with computers in music publishing	85,600		85,600	
International Council of Museums				
Study of European artists and institutions		90,000		90,000
Minneapolis Society of Fine Arts				
Curriculum experiment at Minneapolis School of Art	11,850			11,850
Museum of Modern Art (New York)				
Film on Ludwig Mies van der Rohe		(11,534)	(11,534)	
Tamarind Lithography Workshop				
Experiment in lithographic art	266,000		133,000	133,000
Development of Individual Talent				
Grants-in-aid and fellowships				
Administrative interns	118,300	142,675	130,065	130,910
Arts reporters, editors, and critics		90,000	40,200	49,800
Choral directors	12,025		12,025	
Composers associated with secondary schools	11,345	(2,600)	8,745	
Concert soloists	87,850		51,250	36,600
Opera singers	19,375		19,375	
Poets and fiction writers associated with theaters and opera companies	151,025		52,750	98,275
Other talented individuals in the arts	150,000	7,500	18,800	138,700
Institute of International Education				
Awards to Foundation-selected American and foreign scholars and leaders for travel and study		30,000	30,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Marlboro School of Music				
Grants-in-aid to professional instrumentalists		105,000	35,000	70,000
Performances of works commissioned for concert artists receiving grants-in-aid				
Denver Symphony Society	1,000			1,000
Houston Symphony Society	1,000		1,000	
Indiana State Symphony Society	2,000			2,000
Philharmonic-Symphony Society of New York	1,000		1,000	
Pittsburgh Symphony Society	1,000			1,000
Seattle Symphony Orchestra	1,000		1,000	
Southern California Symphony Association	2,000			2,000
The Humanities				
American Council of Learned Societies				
Program to advance scholarship in the humanities	4,536,000		567,000	3,969,000
American Historical Association				
Bibliographies of British civilization	22,000			22,000
Cooperative program with regional liberal-arts colleges to strengthen the humanities				
Duke University	400,000		140,000	260,000
North Carolina, University of	400,000		140,000	260,000
Council on Library Resources				
Research on library problems	5,000,000		1,000,000	4,000,000
Folger Shakespeare Memorial Library				
National Shakespeare Anniversary Committee		200,000	200,000	
Fordham University				
Conference on philosophy of Teilhard de Chardin		25,000	25,000	
National Archives Trust Fund Board				
Publication of papers of Adams family and of Franklin, Hamilton, Jefferson, and Madison		2,000,000		2,000,000
University-presses scholarly publication in the humanities and social sciences				
Cornell University	26,000		13,000	13,000
Duke University	28,000		13,000	15,000
Illinois, University of	20,000			20,000
Indiana University	13,000		13,000	
Louisiana State University	26,000		13,000	13,000
Minnesota, University of	5,000		5,000	
North Carolina, University of	26,000		19,900	6,100
Rutgers University	26,000		13,000	13,000
Syracuse University	26,000		26,000	
Texas, University of	26,000		13,000	13,000
Wisconsin, University of	20,000		10,000	10,000
Totals — Humanities and the Arts	\$19,546,949	\$15,344,260	\$7,837,399	\$27,053,810

UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
	GRANTS (Reductions)	PAYMENTS (Refunds)	

International Training and Research

Education for Development Assistance

Georgetown University

Conference on problems of French-speaking Africa	\$25,000	\$25,000	
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Johns Hopkins University

Research on international trade policy and economic development	42,000	42,000	
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Massachusetts Institute of Technology

Case studies on industrial-management problems in economic development	\$150,000	50,000	\$100,000
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Midwest Universities Consortium for International Activities

Program to expand campus international studies and technical assistance abroad	3,500,000	3,500,000	
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Pennsylvania State University

Interuniversity fellowships for Peace Corps veterans and others with similar service	200,000	500,000	700,000
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Syracuse University

Interuniversity program of internships in African and South Asian governments	225,000	150,000	75,000
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Training and research to strengthen American technical assistance

American Society for Public Administration	90,000	250,000	90,000	250,000
Pittsburgh, University of	122,600	400,000	64,500	458,100
Syracuse University	100,000		75,000	25,000
Texas A & M University	7,369		7,369	

Resources for International Programs

Education and World Affairs

Agency to strengthen the role of higher education in international affairs	1,600,000	1,600,000	
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Expansion of international-studies programs

Illinois, University of	800,000	800,000	
Michigan State University	1,250,000	1,250,000	
Minnesota, University of	1,250,000		1,250,000
Pittsburgh, University of	1,500,000	1,500,000	

Non-Western studies in undergraduate colleges

Chicago, University of	60,000	60,000	
Great Lakes Colleges Association	500,000	500,000	
Michigan State University	250,000	250,000	
Michigan, University of	110,000	110,000	
New York, University of the State of	500,000	500,000	
Regional Council for International Education	225,000	225,000	
University Center in Virginia	130,000	130,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Area and International Studies				
Aid for graduate students of world affairs				
Northwestern University		(3,395)	(3,395)	
Princeton University		(2,438)	(2,438)	
American Universities Field Staff				
Reporting service in international affairs	360,000		180,000	180,000
Association for Asian Studies				
Research conferences on modernization of Japan	74,700		25,700	49,000
Boston University				
Strengthening of African studies	86,000	500,000	202,000	384,000
Chungang Educational Foundation (Seoul)				
Research on modern Korea	89,000		89,000	
Colorado, University of				
<i>Journal of Central European Affairs</i>		(3,600)	(3,600)	
Cornell University				
Report on Indonesian economic and social forces		32,000	32,000	
Development of Latin-American studies				
Chicago, University of		150,000	150,000	
Columbia University		125,000	125,000	
Cornell University		550,000	550,000	
Library of Congress		250,000	250,000	
Texas, University of		575,000	575,000	
Harvard University				
Studies of taxation and economic development	85,000		85,000	
Hawaii, University of				
Expansion of Asian and Pacific studies program		300,000	300,000	
Illinois, University of				
Cooperative studies with Keio University on Japanese industrialization	280,000		55,000	225,000
International House of Japan				
Conferences, studies, and translations		4,200	4,200	
Oregon, University of				
Political studies of smaller European nations		132,000	132,000	
Research program for American scholars in India				
American Institute of Indian Studies		500,000	200,000	300,000
Pennsylvania, University of	400,000	(500,000)	(100,000)	
Research programs on modern China				
American University	120,600		21,400	99,200
George Washington University	104,000			104,000
National Central Research Institution (Taiwan)	95,640		33,900	61,740
Oriental Library (Tokyo)	102,500		33,700	68,800
Social Science Research Council	132,000		38,000	94,000

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Smith College				
Research on the Transkei area of South Africa	50,000		50,000	
Social Science Research Council				
Foreign Area Fellowships for study of Western Europe		400,000	400,000	
Interuniversity studies of Latin America	300,000		300,000	
Research in international studies		(6,967)	(6,967)	
Stanford University				
Research on Portuguese Africa	27,500		27,500	
Training and research in international studies				
Chicago, University of	18,800		18,800	
Cornell University	10,000	(11,673)	(1,673)	
Duke University	210,000		75,000	135,000
Northwestern University	30,000		30,000	
Stanford University	35,000		35,000	
Languages and Linguistics				
Graduate training in linguistics				
American Council of Learned Societies	52,000	330,000	167,000	215,000
Georgetown University	254,950		68,725	186,225
Indiana University				
Statewide program in language teaching	520,000		99,150	420,850
Interuniversity programs on Chinese and Japanese language training				
Purdue Research Foundation	192,000		64,000	128,000
Stanford University	191,000	300,000	300,000	191,000
Princeton University				
Interuniversity program in Middle Eastern languages	200,000		50,000	150,000
Programs in English as a second language				
California, University of (Los Angeles)		310,000	310,000	
Teachers College (Columbia University)	74,000		37,000	37,000
Foreign Students and International Exchange				
American Council of Learned Societies				
Publication of <i>Current Digest of the Soviet Press</i>	25,000		25,000	
Council on World Affairs (Cleveland)				
Study of foreign-student community relations		10,000	10,000	
Exchange of African and American scholars				
Chicago, University of	170,000		170,000	
United States—South Africa Leader Exchange Program, Inc.	120,000		60,000	60,000
Indiana University				
Inter-University Committee on Travel Grants	302,700	1,500,000	135,700	1,667,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Institute of International Education				
Exchange of students, scholars, and other persons	1,050,000	25,000	375,000	700,000
Selection and orientation programs for foreign students				
Association of American Law Schools		500,000	167,000	333,000
Boston University	145,000		58,200	86,800
California, University of (Los Angeles)		50,000	50,000	
Foreign Student Service Council of Greater Washington, D.C.		50,000	50,000	
Institute of International Education		25,000	25,000	
Regional Council for International Education		90,000	90,000	
International Legal Studies				
American Association of Law Libraries				
<i>Index to Foreign Legal Periodicals</i>		45,500	45,500	
American Foreign Law Association				
Conference on international trade regulation	20,000		20,000	
Columbia University				
Interuniversity research on Communist law	103,400		55,000	48,400
International Law Association (England)				
Research on treaty obligations of new nations		75,000		75,000
New York University				
Study of Common Market patent system		59,500	59,500	
Training in international legal studies				
Academy of International Law (The Hague)	63,070		31,050	32,020
American Society of International Law	181,000		81,000	100,000
Duke University		(1,150)	(1,150)	
Loyola University	145,000		70,000	75,000
Southern Methodist University		25,000	25,000	
Totals — International Training and Research	<u>\$8,914,829</u>	<u>\$17,675,977</u>	<u>\$17,526,671</u>	<u>\$9,064,135</u>

Science and Engineering

Development of Science and Technology Centers

Case Institute of Technology	\$1,974,949		\$1,751,108	\$223,841
Illinois Institute of Technology		\$5,000,000		5,000,000

Engineering Curricula and Teaching

Curriculum development and experiments

California, University of (Los Angeles)	290,000		290,000	
Case Institute of Technology	50,450		50,450	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Cincinnati, University of	80,000		60,000	20,000
Dartmouth College		150,000	150,000	
Massachusetts Institute of Technology	1,930,000		450,000	1,480,000
McMaster University		138,000		138,000
Polytechnic Institute of Brooklyn	220,000		170,000	50,000
Pratt Institute		23,500	23,500	
Rensselaer Polytechnic Institute		335,000		335,000
Forgivable loans to doctoral engineering students committed to teaching careers				
Arizona, University of		50,000	50,000	
California Institute of Technology		50,000	50,000	
California, University of (Berkeley)		50,000	50,000	
California, University of (Los Angeles)		50,000	50,000	
Case Institute of Technology		40,000	40,000	
Columbia University		40,000	40,000	
Harvard University		25,000	25,000	
Illinois, University of		75,000	75,000	
Iowa State University		30,000	30,000	
Iowa, State University of		40,000	40,000	
Kansas, University of		50,000	50,000	
Lehigh University		25,000	25,000	
Maryland, University of		25,000	25,000	
Massachusetts Institute of Technology		100,000	100,000	
Michigan, University of		50,000	50,000	
Minnesota, University of		60,000	60,000	
Northwestern University		75,000	75,000	
Oklahoma State University		75,000	75,000	
Oklahoma, University of		50,000	50,000	
Pennsylvania State University		45,000	45,000	
Pittsburgh, University of		25,000	25,000	
Polytechnic Institute of Brooklyn		25,000	25,000	
Purdue University		75,000	75,000	
Rensselaer Polytechnic Institute		30,000	30,000	
Rutgers University		25,000	25,000	
Southern California, University of		25,000	25,000	
Stanford University		60,000	60,000	
Texas A & M University		25,000	25,000	
Utah, University of		25,000	25,000	
Virginia Polytechnic Institute		75,000	75,000	
Washington University		40,000	40,000	
Washington, University of		40,000	40,000	
Wisconsin, University of		51,644	51,644	
Yale University		25,000	25,000	
Strengthening engineering faculties				
Florida, University of	280,000		280,000	
Georgia Institute of Technology	280,000		280,000	
North Carolina State	340,000		340,000	
Texas, University of	450,000		450,000	
Toronto, University of	325,000			325,000
Summer study for engineering teachers				
California, University of (Los Angeles)		100,000		100,000
Massachusetts Institute of Technology		100,000	100,000	
Michigan, University of		100,000	100,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Science Education and Research				
Chicago, University of				
Facilities for the biological and physical sciences	5,000,000		5,000,000	
Commonwealth Scientific and Industrial Research Organization (Australia)				
Construction of radioheliograph in Australia	303,250		100,000	203,250
European Organization for Astronomical Research in the Southern Hemisphere				
Construction of European Southern Observatory		1,000,000	1,000,000	
Graduate training in atmospheric science and oceanography				
California Institute of Technology	47,000		47,000	
California, University of (La Jolla)	41,192		41,192	
California, University of (Los Angeles)	97,000			97,000
Chicago, University of	14,400		14,400	
Colorado, University of	30,000		30,000	
Columbia University	12,200			12,200
Harvard University	40,000			40,000
Johns Hopkins University	60,850		20,300	40,550
Minnesota, University of	15,000		15,000	
Wisconsin, University of	16,030		16,030	
Woods Hole Oceanographic Institution	42,000			42,000
Marine Biological Laboratory				
Classroom, research, and housing facilities		2,500,000	300,000	2,200,000
Postdoctoral training in marine systematics	192,000		48,000	144,000
New York University				
Courant Institute of Mathematical Sciences	500,000		500,000	
Princeton University				
Development of astrophysical sciences department		685,000		685,000
Graduate training in plasma physics	100,598		50,775	49,823
Radiation measurement and standards research				
International Society of Radiology	111,000		74,000	37,000
Medical Research Council (London)	180,000		50,000	130,000
Tennessee, University of				
Cooperative teaching program with Oak Ridge National Laboratory		200,000	200,000	
Tulane University				
Advanced graduate education in mathematics		575,000	575,000	
Wisconsin, University of				
Biotron for research on plants and animals	1,700,000			1,700,000
Yale University				
Construction of Southern Hemisphere astrograph	500,000		450,000	50,000

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Professional Studies and Facilities				
Columbia University				
Study of background of engineering faculties		3,000	3,000	
Massachusetts Institute of Technology				
Study of possible professional obsolescence		21,000	21,000	
National Academy of Sciences				
Enlargement of headquarters building	250,000			250,000
United Engineering Trustees				
Construction of center in New York City	219,186		187,729	31,457
Totals — Science and Engineering	<u>\$15,692,105</u>	<u>\$12,482,144</u>	<u>\$14,790,128</u>	<u>\$13,384,121</u>

International Affairs

Atlantic Cooperation

Canadian studies of international relations

Canadian Institute of International Affairs	\$160,000		\$40,000	\$120,000
Humanities Research Council of Canada		\$85,000	43,000	42,000
Social Science Research Council of Canada		85,000	43,000	42,000

Council on Foreign Relations

Atlantic studies and research on China	537,560		510,012	27,548
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Institute for Strategic Studies (London)

Analyses of weapons and international relations	70,000		52,500	17,500
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Research and exchanges in the physical sciences

European Organization for Nuclear Research (CERN) (Geneva)	50,000		50,000	
Institute for Theoretical Physics (Copenhagen)	120,000		60,000	60,000
Organization for Economic Cooperation and Development (Paris)	400,000		160,000	240,000

Research and public education on Atlantic cooperation and European integration

Atlantic Council of the United States		50,000	50,000	
British Society for International Understanding	12,500			12,500
Ditchley Foundation (England)		100,000	100,000	
European Community Institute for University Studies (Belgium)		300,000	100,000	200,000
Governmental Affairs Institute		50,000	50,000	
National Foundation of Political Science (Paris)		160,000		160,000
Political and Economic Planning (London)	44,020		44,020	

Studies of foreign trade and antitrust laws

Association of the Bar of the City of New York Fund		75,000	75,000	
Frankfurt, University of	25,000		25,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Training and research on national economies				
Association for the Industrial Development of Southern Italy (Rome)	390,000		110,000	280,000
Center of Economic Research (Athens)	22,100		22,100	
Economic Research Institute (Dublin)	56,000		56,000	
Naples, University of	31,000		31,000	
European Education, Research, and Culture				
Advanced social-science studies				
Center of Human Sciences (Paris)		185,000	185,000	
Institute for Advanced Studies and Scientific Research (Vienna)		250,000	250,000	
Marc Bloch Association (European Center of Sociology, Paris)	60,000		30,000	30,000
American Council of Learned Societies				
American studies in European universities	900,000		900,000	
Association of American Universities				
Meetings of American and German educators		35,000	35,000	
Berlin artistic and educational programs				
Free University of Berlin		100,000	100,000	
German Academic Exchange Service		250,000	250,000	
Institute of International Education		60,000	60,000	
Massachusetts Institute of Technology		500,000		500,000
Birmingham, University of				
Research and training at Shakespeare Institute		100,000	100,000	
California, University of (Berkeley)				
Agricultural-economics center at University of Naples	23,750		23,750	
Center of Economic Research (Athens)	44,189		25,000	19,189
Cornell University				
English-language teaching in Italy	124,345		108,655	15,690
Development of academic programs				
Athens College (Greece)	28,835		28,835	
Institute of Social Studies (The Hague)		25,000	25,000	
Dublin, University of				
Development of Trinity College library		280,000	280,000	
International Musicological Society				
Inventory of musical sources		150,000	50,000	100,000
International-studies centers				
Foundation for the Graduate Institute of International Studies (Geneva)	280,000		90,000	190,000
Johns Hopkins University (School for Advanced International Studies, Bologna)	350,000		116,000	234,000
St. Antony's College (Oxford University)	11,680		11,680	

133	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Legal-studies programs				
British Institute of International and Comparative Law Leyden, University of		290,000 95,000	57,481 19,000	232,519 76,000
London, University of				
Research on Pitman Initial Teaching Alphabet		100,000	100,000	
Oxford University				
Library resources of Commonwealth Forestry Institute		75,000	75,000	
United Nations Educational, Scientific and Cultural Organization (UNESCO)				
International Institute for Educational Planning	100,000		100,000	
The Western Pacific				
Agricultural Development Council				
English Language Education Council in Tokyo	100,000		100,000	
Australian research in world affairs and development assistance				
Australian Institute of International Affairs	46,700		27,700	19,000
Australian National University	175,000		25,000	150,000
Committee for Economic Development of Australia	75,000		75,000	
International Christian University (Tokyo)				
Graduate School of Public Administration	142,667			142,667
Japanese educational advancement				
Japan Broadcasting Corporation		13,012	13,012	
Teachers College (Columbia University)		145,000	145,000	
Kyoto University				
Center of Southeast Asian Studies	259,450		138,450	121,000
Strengthening Japanese-American understanding				
American Studies Foundation (Tokyo)		53,500	53,500	
Dartmouth College		35,000	35,000	
Resources for Less-Developed Areas				
Educational improvement in less-developed areas				
Asian Productivity Organization (Tokyo)		320,000	125,000	195,000
Centre for Educational Television Overseas (London)	400,000		400,000	
International African Institute (London)	124,200		68,460	55,740
Manchester, University of	145,000		50,000	95,000
Rural Development College (Denmark)		227,667		227,667
Franklin Book Programs				
Advisory services for publishing industries in Asia, Africa, and Latin America	700,000		300,000	400,000
Governmental Affairs Institute				
Study group on European aid to Latin America		25,000	25,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Programs for foreign journalists				
Columbia University (American Press Institute)	137,099	418,000	277,099	278,000
Inter-American Press Association Technical Center		75,000	75,000	
International Press Institute (Zurich)	100,000	300,000	100,000	300,000
Research and training in economic development				
Institute of Applied Economics (Paris)	17,000		17,000	
London School of Economics and Political Science	52,000		52,000	
London, University of	47,000			47,000
Mediterranean Social Sciences Research Council (Paris)		75,000		75,000
National Conference on International Economic and Social Development	20,000		20,000	
Research, training, and conferences to aid less-developed areas				
Council on World Tensions	150,000		150,000	
Institute for Policy Studies		7,800	7,800	
Institute of Race Relations (London)	14,600			14,600
International Assistance Committee (Denmark)		(2,667)	(2,667)	
Overseas Development Institute (London)	40,000		40,000	
Royal Institute of International Affairs		125,000	29,225	95,775
St. Antony's College (Oxford University)		225,000		225,000
Swiss Foundation for the Study of International Relations	300,000		100,000	200,000
International Understanding				
American Council of Learned Societies				
International scholarly meetings in the United States		250,000	250,000	
Provision of American books to Indian scholars		(2,128)	(2,128)	
Awards to Foundation-selected American and foreign scholars and leaders for travel and study				
Governmental Affairs Institute		100,000	100,000	
Institute of International Education		255,000	105,000	150,000
Brookings Institution				
Research on the United Nations and its agencies	192,000		108,000	84,000
Conferences on international problems				
American Council on Germany		12,000	12,000	
Carnegie Endowment for International Peace		175,000		175,000
Governmental Affairs Institute		10,000	10,000	
Wilton Park (England)	40,000		20,000	20,000
Education in world affairs				
Council on Foreign Relations		2,000,000	1,000,000	1,000,000
Foreign Policy Association	350,000		350,000	
Salzburg Seminar in American Studies	25,000		25,000	
International cultural exchanges				
Broadcasting Foundation of America		50,000	50,000	
National Educational Television and Radio Center		(50,000)	(50,000)	
Carnegie Hall International		165,000	75,000	90,000

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
National Academy of Sciences				
International scientific cooperation	130,000		130,000	
Research in international economics and finance				
Basel, University of		50,000	50,000	
Committee for Economic Development		750,000	150,000	600,000
Princeton University		25,000	25,000	
Visits to United States by specialists and leaders				
Eisenhower Exchange Fellowships	60,000		60,000	
Governmental Affairs Institute	40,000	(77,785)	(37,785)	
Institute of International Education	185,000		120,000	65,000
Washington Institute of Contemporary Arts	106,000		53,000	53,000
Western Relations with Eastern Europe				
Exchange of East European scholars				
American Council of Learned Societies		100,000	100,000	
Institute of International Education		693,500	333,500	360,000
Michigan, University of		(3,722)	(3,722)	
National Office of French Universities and Schools		5,000	5,000	
Scholarships for Hungarian refugee students				
German Academic Exchange Service	47,240			47,240
National Office of French Universities and Schools	20,000			20,000
Totals — International Affairs	<u>\$8,081,935</u>	<u>\$9,949,177</u>	<u>\$10,126,477</u>	<u>\$7,904,635</u>

Population

Population Centers

Harvard University

Establishment of Center for Population Studies \$550,000 \$550,000

Johns Hopkins University

Division of Population Dynamics 800,000 \$200,000 600,000

London School of Economics and Political Science

Demographic training for developing countries 240,000 45,600 194,400

Population Council

Research and training in population problems \$1,620,000 5,000,000 1,725,000 4,895,000

Reproductive Biology

Georgetown University

Studies of the rhythm method and of social and demographic aspects of population 100,000 50,000 50,000

Population Council

Training in reproductive physiology at Worcester Foundation for Experimental Biology 162,150 33,063 129,087

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Medical-school student research in reproductive biology				
California, University of (Los Angeles)	12,000			12,000
Chicago, University of	20,000			20,000
Colorado, University of	12,000		6,000	6,000
Columbia University	22,000			22,000
Cornell University	18,000		9,000	9,000
Harvard University	22,000			22,000
Illinois, University of	18,000		9,000	9,000
Jefferson Medical College of Philadelphia	12,000			12,000
Johns Hopkins University	20,000			20,000
Kansas, University of	12,000		6,000	6,000
Michigan, University of	18,000		9,000	9,000
Vanderbilt University	12,000		6,000	6,000
Washington University	20,000		10,000	10,000
Washington, University of	14,000		7,000	7,000
Wisconsin, University of	20,000			20,000
Yale University	20,000			20,000
Research and advanced training				
Birmingham, University of	119,000		24,000	95,000
California, University of (Berkeley)	138,600		34,650	103,950
Cambridge, University of	80,000		20,000	60,000
Colorado, University of	130,000			130,000
Columbia University	338,500		124,575	213,925
Geneva, University of		490,000	110,000	380,000
Institute of Anatomy (University of Basel)	21,000		21,000	
Karolinska Institute	400,000		70,000	330,000
Los Angeles County Harbor General Hospital	35,500	128,000	60,030	103,470
Lund, University of		100,000	28,150	71,850
National Institute for Research in Dairying (England)		34,640	21,340	13,300
Pennsylvania, University of		122,300		122,300
Population Council		(1,868)	(1,868)	
Sydney, University of	70,000		35,000	35,000
Vanderbilt University	280,000		130,000	150,000
Washington, University of	445,500		94,300	351,200
Wisconsin, University of	1,500,000		290,000	1,210,000
Worcester Foundation for Experimental Biology		1,450,000		1,450,000
Administration, Information, and Demographic Research				
American Academy of Arts and Sciences				
Distribution of book, <i>Human Fertility and Population Problems</i>		12,900	12,900	
Brown University				
Statistical research on fertility regulation	45,000			45,000
Chicago, University of				
Research and training in demography and family planning administration	603,165		148,000	455,165

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS PAYMENTS (Reductions) (Refunds)		UNPAID Sept. 30, 1964
Population Reference Bureau				
Dissemination of information on population	446,000		81,000	365,000
Princeton University				
Study of Roman Catholic higher education and values relating to family size		25,000	25,000	
Training and research in demography				
Cornell University	165,000		63,000	102,000
Michigan, University of	314,005		189,700	124,305
Pennsylvania, University of	120,000		40,000	80,000
Totals — Population	<u>\$7,405,420</u>	<u>\$8,950,972</u>	<u>\$3,736,440</u>	<u>\$12,619,952</u>

Overseas Development

Agricultural Development Council

Teaching materials in agriculture	\$70,000			\$70,000
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Institute of International Education

Awards to Foundation-selected American and foreign scholars and leaders for travel and study	175,000	\$775,000	\$475,000	475,000
Preparation of materials on port development in emerging countries		63,000	63,000	
Public-service fellowships for officials	131,000			131,000

Institute of Social Studies (The Hague)

Study of church-sponsored educational programs in Africa, Asia, and Latin America		98,300	98,300	
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Society for International Development

Professional activities for development specialists		114,045	9,045	105,000
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Testing workshops for foreign scholars

Educational Testing Service		25,000	25,000	
Institute of International Education		49,941	49,941	

Training for teachers of English as a second language

Edinburgh, University of		18,600	18,600	
University College London		18,200	18,200	

William Hood Dunwoody Industrial Institute

Regional vocational-technical training services	40,000		20,000	20,000
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LATIN AMERICA AND THE CARIBBEAN AREA

Brookings Institution

Research on Latin-American economics and government	205,140	120,000	235,000	90,140
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	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Institute of International Education				
Council on Higher Education in the American Republics		225,000	75,000	150,000
International Center for Higher Studies in Journalism for Latin America				
Improvement of journalistic standards		92,000		92,000
Modern Language Association of America				
Study of native Latin-American languages		32,000	32,000	
Pan American Union				
Secondary-school summer science institutes		(11,869)	(11,869)	
Population Council				
Latin American Demographic Centre	69,300		69,300	
Argentina				
Advisory services and training in agriculture				
Institute of International Education	300,000		60,000	240,000
National University of the South		500,000	115,000	385,000
Buenos Aires, University of				
Central science library and scientific equipment; closed-circuit television	84,620	245,000	55,000	274,620
Development of School of Economics	141,350			141,350
Expansion of sociology teaching and research	41,000		37,500	3,500
Development of science curricula and research				
Argentine Chemical Association	25,500		8,500	17,000
Bariloche Foundation	240,000		20,000	220,000
Buenos Aires, University of	43,700		43,700	
Institute of International Education	175,000	(2,435)	81,565	91,000
Metallurgical Chamber of Argentine Manufacturing Industries	125,000		45,000	80,000
National Atomic Energy Commission	150,000		50,000	100,000
William Hood Dunwoody Industrial Institute	242,000		242,000	
Franklin Book Programs				
Technical assistance to publishers and libraries		250,000	84,000	166,000
Harvard University				
Research and training in economic planning at Torcuato Di Tella Institute	134,000			134,000
National Council for Scientific and Technical Research				
Fellowships for advanced study abroad		550,000		550,000
Improvement of science teaching in schools	167,415		70,000	97,415
Regional and urban research and materials	20,000		20,000	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Strengthening research centers in economics, business, and public administration				
Institute for the Development of Executives in Argentina		288,500		288,500
National University of Córdoba	96,045		32,982	63,063
National University of Tucumán	62,700		3,000	59,700
Superior Institute of Public Administration	100,000			100,000
Torcuato Di Tella Institute	210,000	263,000	186,000	287,000
Brazil				
Bahía, University of				
Research on government administration		132,400	35,700	96,700
Brasília, University of				
Development of library and university press	359,700		150,000	209,700
Brazil, Government of				
Training fellowships for development of São Francisco River Basin	98,000		47,000	51,000
Development of an animal-nutrition center				
American International Association for Economic and Social Development	190,000	(190,000)		
IRI Research Institute		190,000	110,000	80,000
Getulio Vargas Foundation				
Research and training in economic development	258,000		183,000	75,000
Teaching materials in business and public administration	45,000	168,000	35,500	177,500
Guanabara, State of				
Experiment in primary education	50,752			50,752
Institute of International Education				
Tour of U. S. "gray areas" by Brazilian educators		(3,709)	(3,709)	
Recife, University of				
Development of secondary-school science- teaching center		150,000		150,000
Research and teaching in economics				
Ceara, University of		330,000		330,000
Rio Grande do Sul, University of	55,209		23,000	32,209
São Paulo, University of				
Equipment of chemistry laboratory	200,000			200,000
Establishment of closed-circuit television system		177,000		177,000
Marine and fisheries research and training	547,500		55,000	492,500
Teaching and research in the sciences				
Brazil, University of	400,000		400,000	
Brazilian Academy of Sciences	100,000		28,000	72,000
Ceara, University of	354,640		120,600	234,040

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
National Council for Advanced Training of University-Level Personnel	1,130,000			1,130,000
National Research Council	166,000		83,000	83,000
Pontifical Catholic University of Rio de Janeiro	105,000			105,000
Training and research in agricultural economics				
Minas Gerais, State of	510,000		172,000	338,000
Rural University of the State of Minas Gerais	90,000		80,000	10,000
Caribbean Area				
Advisory services, teaching, and research in Dominican Republic agriculture				
Association for Development	149,300	387,600	60,410	476,490
Catholic University "Mother and Teacher"		69,400		69,400
Texas A & M University		547,500	185,606	361,894
Antigua, Government of				
Planning and experiments in secondary education	23,700			23,700
Autonomous University of Santo Domingo (D.R.)				
Curriculum development and university reform		146,000	113,000	33,000
Faculties of Agronomy and Engineering	51,300		51,300	
Brandeis University				
Training in government administration in the Dominican Republic	150,000	(239,357)	(89,357)	
Dominican Republic				
National Board of Planning and Coordination	25,500			25,500
Puerto Rico, University of				
Research in economics and government	177,000		31,000	146,000
West Indies, University of the				
Academic planning and staff development		78,400	26,133	52,267
Assistance to Eastern Caribbean economic planning and public administration	172,500	286,000	57,200	401,300
Demographic research and Barbados fertility study		138,000	34,500	103,500
Development of university centers, experimental textbooks, and graduate programs		392,600		392,600
Institute of Education	324,000			324,000
Central America				
American School of Guatemala				
University admissions and achievement testing		75,000	31,460	43,540
Development of basic university programs				
Costa Rica, University of	307,200		130,000	177,200
El Salvador, University of		250,000	160,000	90,000
Higher Council of Central American Universities		256,000	85,000	171,000
National Autonomous University of Honduras	259,667		8,333	251,334
National University of Nicaragua	200,000		109,000	91,000
New Mexico, University of	58,906			58,906

141	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Harvard University				
Consultants on educational development		72,600	40,000	32,600
Chile				
Chile, University of				
Development of a system of regional colleges	142,500		142,500	
Graduate training in economics, business, and public administration	620,387		135,272	485,115
Research and teaching in reproductive biology		170,000	30,600	139,400
Workshop on educational testing		13,000	13,000	
Community-development assistance				
Harvard University		114,250	71,000	43,250
Institute of International Education		67,000		67,000
Rice University		180,000	105,800	74,200
Development of mathematics and science				
Concepción, University of	142,400			142,400
Pontifical Catholic University of Chile	290,265		169,000	121,265
Minnesota, University of				
Development of agricultural extension and education		518,100		518,100
University of Concepción academic development		782,600		782,600
Pontifical Catholic University of Chile				
Teaching and research at School of Sociology		380,000		380,000
TECHO Promotion Institute				
Small-industries program for slum areas	50,000		50,000	
William Hood Dunwoody Industrial Institute				
Technical education at Federico Santa Maria Technical University		248,000	124,000	124,000
Colombia				
Andes, University of the				
Academic development, planning, and fund-raising	286,000	232,000	80,000	438,000
Antioquia, University of				
General development	164,269		24,468	139,801
Teacher-training program	64,736		39,403	25,333
Colombian Agricultural Institute				
Agricultural teaching, research, and extension		410,000		410,000
Harvard University				
Training of Colombians in development planning	494,400	(143,125)	210,000	141,275
Institute of International Education				
Business-management fellowships for Colombian university faculty		195,900	123,150	72,750

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
National University of Colombia				
Faculty of Sociology	9,334	220,000	55,534	173,800
New Granada College				
Academic and administrative improvements		91,500		91,500
Valley, University of the				
Development of Faculty of Education		112,000	112,000	
Graduate program in industrial management		650,000		650,000
Office of Planning and Development		346,000	51,453	294,547
Reorganization of Faculty of Engineering		486,400	413,904	72,496
School of basic studies and improvement of secondary-school science teaching	108,000		80,000	28,000
Mexico				
Agricultural education, extension, and research				
Coahuila, University of		90,000	60,000	30,000
Institute of International Education		179,000		179,000
Monterrey Institute of Technology and Advanced Studies		38,000	12,667	25,333
National School of Agriculture United Mexican States	290,008	755,000	62,992	227,016 755,000
Autonomous University of Guadalajara				
Preparation of plan for university reform		363,500	142,947	220,553
Case Institute of Technology				
Technological manpower training in Mexico		65,000	65,000	
Mexico, College of				
Center for Economic and Demographic Studies	116,750		64,750	52,000
Monterrey Institute of Technology and Advanced Studies				
Development of educational television in Mexico	149,189		83,360	65,829
National Autonomous University of Mexico				
Development of language laboratory	42,440		31,131	11,309
Graduate training in civil engineering		125,000	51,000	74,000
Nuevo León, University of				
Economic training and research	335,000		35,000	300,000
Research and Advanced Studies Center of the National Polytechnic Institute				
Teacher-training in science and engineering		375,000	100,000	275,000
Peru				
Agrarian University				
Agricultural economics and rural sociology	243,400		82,501	160,899
National Engineering University				
Improvement of curriculum, staff, and equipment		570,000	215,000	355,000

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
National University of San Marcos				
Development of general-studies program		27,800	27,800	
Establishment of language-teaching service		282,700		282,700
Graduate teaching and research in basic sciences		252,000	139,000	113,000
Modernization of university administration		243,000	67,000	176,000
Peruvian Institute of Educational Development				
Summer science institute for teachers		12,600	8,400	4,200
Venezuela				
Andes, University of the				
Faculty of Economics; Laboratory of Photogrammetry	200,000		95,510	104,490
Catholic University Andrés Bello				
Faculty of Engineering; School of Social Sciences	130,300			130,300
Faculty of Economics		341,000		341,000
Central University of Venezuela				
Research and visiting scholars in development	150,000		99,100	50,900
Institute of Public Administration				
Assistance to Foundation for Community Development and Municipal Improvement	100,000		75,000	25,000
Oriente, University of				
Improvement of science-education programs	275,115		36,615	238,500
Venezuela, Republic of				
Organization of School of Public Administration	105,000			105,000
AFRICA				
Catholic International Education Office				
Pan-african conference on Catholic education		50,000	50,000	
East Africa, University of				
Seminars on foreign-service training		42,000	42,000	
East African Common Services Organization				
Consultants on economic policies and planning	20,778			20,778
Educational Services Incorporated				
Mathematics and science curricula in African schools	16,000	218,000	118,000	116,000
Institute of International Education				
Development of African legal education	172,500	150,000	322,500	
Travel awards for East Africans studying public services in the United States		27,000	27,000	
International Association of Universities				
Research on African academic cooperation		113,500	113,500	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Massachusetts Institute of Technology				
Program for American graduates in African development posts	532,000	330,000	470,000	392,000
Michigan, University of				
Research on economic development projects		400,000	200,000	200,000
West African Examinations Council				
Testing and statistical-analysis unit		212,400		212,400
Cameroun				
Cameroun, Federal Republic of the				
Analysis of research on cocoa production		100,000	50,000	50,000
Congo				
Center for Socio-Political Research and Information				
Training institute for Congolese leaders		45,000	45,000	
Lovanium University				
Research on Congolese development problems		330,000	135,000	195,000
National School of Law and Administration				
Construction of student housing	50,000		50,000	
Training institute in law and administration	248,436	285,000	304,463	228,973
Ethiopia				
Haile Selassie I University				
Academic administrative support		139,685	139,685	
Development of law faculty		292,300	164,050	128,250
Ghana				
Ghana, Government of				
Establishment of a productivity center	188,670		26,870	161,800
Ghana, University of				
Expansion of theater-arts program		78,000	78,000	
Guinea				
Guinea, Government of				
National Institute of Research and Documentation	34,766		1,701	33,065
Kenya				
Kenya, Government of				
Development of aptitude-testing unit	30,500		30,500	
Research on English-language teaching	210,000		35,000	175,000
Science teaching in secondary schools	68,500		68,500	

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Royal College, Nairobi				
Development of research library	24,000		24,000	
Pre-university scholarships in physics, chemistry, and engineering	85,000			85,000
Strathmore College of Arts and Science				
College preparatory and scholarship program	65,250		30,000	35,250
Liberia				
Associated Colleges of the Midwest				
Library and laboratory development at Cuttington College	92,000	106,000	198,000	
Nigeria				
African-American Institute				
Books and equipment for Parliamentary Library		5,000	5,000	
Ahmadu Bello University				
Research and training in rural economics; Center for Islamic Studies		330,000		330,000
Training of local-government personnel	115,000			115,000
Eastern Nigeria, Government of				
Development of Institute of Administration Pilot project in rural development	330,500	470,000	202,000 104,999	268,000 225,501
Eastern Nigeria Library Board				
Advanced training for government librarians		26,000	5,840	20,160
Franklin Book Programs				
Establishment of a publishing industry		365,000	125,000	240,000
Ibadan, University of				
General university and faculty development	2,007,022	42,000	701,021	1,348,001
Research in Nigerian education	290			290
Study of Nigerian music and art	36,500			36,500
Ife, University of				
Institute of African Studies	50,000			50,000
Massachusetts Institute of Technology				
Research on Nigerian development problems	58,500		29,500	29,000
Midwestern Nigeria, Government of				
Training for farm leaders and extension supervisors		330,000		330,000
Nigeria, Government of				
Conference on federalism	379	(1,457)	(1,078)	
Consultants and assistance to manpower board		190,320	114,111	76,209

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Nigeria, University of				
Economic Development Institute		286,000	121,500	164,500
School science-teaching materials	14,000	32,600	46,600	
Technical-education project; Faculty of Education		380,000		380,000
Nigerian Broadcasting Corporation				
Expansion of school broadcasts	148,626		19,933	128,693
Nigerian Economic Society				
<i>Nigerian Journal of Economic and Social Studies</i>		6,300	2,100	4,200
Nigerian Institute of Management				
Seminars and publications on management		124,000	57,000	67,000
Nigerian Society for Public Administration				
Organization of professional program	42,000		42,000	
Northern Nigeria, Government of				
Expansion of Staff Development Centre		470,000		470,000
Pilot project in apprentice-training for trades		156,000		156,000
Teacher-training programs at seven colleges		2,110,000		2,110,000
Training of government officials and employees		(4,809)	(4,809)	
Southern Illinois University				
English-language training at civil-service centers		640,000	143,000	497,000
Western Nigeria, Government of				
Institute of Public Administration of the University of Ife	500,000		387,000	113,000
Northern Rhodesia (Zambia)				
Northern Rhodesia, Government of				
Lending-library service for rural areas	30,400			30,400
Training of judges and local court staff		68,000	68,000	
Senegal				
Dakar, University of				
Conference on educational research	9,500		9,500	
Faculty exchange and research on African law	85,250		9,837	75,413
Institute for Pedagogical Studies	15,500		15,500	
West African Languages Council	50,000		25,000	25,000
Institute of Applied Economics (Paris)				
Research on investment and public finance		100,000	50,000	50,000
Southern Rhodesia				
University College of Rhodesia and Nyasaland				
College preparatory courses		136,500		136,500
Development of law faculty	84,000		56,000	28,000
Establishment of Institute of Adult Education	120,000		62,000	58,000
Teaching and research in the social sciences	70,000		70,000	

147	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Sudan				
Khartoum, University of				
Institute for secondary-school teachers	55,000			55,000
Study of the Gezira irrigation project	46,000			46,000
Tanganyika				
East Africa, University of				
Law-faculty facilities at Dar es Salaam		320,000	320,000	
Over-all development of the university		478,000	171,000	307,000
Training in legal aspects of development		62,050	62,050	
International School of Tanganyika				
Development of elementary-school facilities		25,500		25,500
National Museum				
Development of educational program	32,249		1,000	31,249
Syracuse University				
Research on village resettlement problems		152,000	152,000	
Tanganyika, Government of				
College of African Wildlife Management	32,500		18,450	14,050
Establishment of civil-service training center	290,000	21,000	214,796	96,204
Secondary-school course at Technical Institute	67,140		43,300	23,840
Tanganyika National Parks				
Program on wildlife resources	17,127		17,127	
Uganda				
Makerere College				
Research unit on East African problems	27,000		27,000	
Training of laboratory technicians	190,000		50,000	140,000
Uganda Museum				
Development of educational program	56,000		56,000	
MIDDLE EAST				
Connecticut, University of				
Resources for overseas economics training		82,500	82,500	
McGill University				
Fellowships for Middle Eastern leaders	200,000		125,000	75,000
Wisconsin, University of				
Science education in Arab countries	141,000			141,000
Algeria				
Algeria, Republic of				
Miliana Center for training of mining foremen	19,000		19,000	

148	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Algiers, University of				
Library facilities and materials		132,500		132,500
Civil Service Commission				
Algerian National School of Administration		571,700	103,000	468,700
Commissariat for Professional Training and Development of Cadres				
Secretarial and accountancy training	88,300		43,325	44,975
Iran				
Iran, Government of				
Assistance to Division of Economic Affairs	12,051	(80,697)	(68,646)	
Village-development program	46,319	(50,095)	(3,776)	
National Teachers College				
Teacher-librarian training	6,652	(6,652)		
Iraq				
Baghdad, University of				
Training of library staff	136,600		30,000	106,600
Iraq-American Educational Association				
English-language teacher-training seminars at Baghdad College		46,700	46,700	
Jordan				
Cooperative Institute				
Development of rural cooperatives	50,000		8,000	42,000
Jordan Educational and Cultural Association				
Junior-college program at Bir-Zeit College	11,912		11,912	
Jordan, Government of				
Development of teacher-training program	10,000		10,000	
Projects related to Jordanian development	9,000		9,000	
Study of Jordanian educational system		(12,163)	(12,163)	
Teacher-training at Statistical Training Center	24,080		8,838	15,242
Lebanon				
American University of Beirut				
Programs in economic development and budgeting		25,000	25,000	
Association for Social Action				
Training at Amiliyah Vocational Institute		56,000		56,000
Commission on Ecumenical Mission and Relations (United Presbyterian Church)				
Beirut College for Women	300,000		150,000	150,000

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Industry Institute				
Training of professional staff	200,000			200,000
International Statistical Institute				
International Statistical Education Center	40,000		10,000	30,000
Lebanon, Government of				
Regional seminars in diplomacy training		64,500		64,500
National Council for Secondary Education				
Grants-in-aid and studies to improve schools	100,000			100,000
Syria				
Aleppo, University of				
Faculties of Agriculture and Science	87,030	600,000	100,000	587,030
Syria, Government of				
Agricultural extension program	67,013		24,213	42,800
Agricultural laboratory at Aleppo	108,519		13,826	94,693
Consultants on economic development and planning		18,000		18,000
English-language teaching at Universities of Aleppo and Damascus		75,565	75,565	
Rural-teacher training	53,561		9,439	44,122
Tunisia				
International Cultural Center				
Educational and cultural center at Hammamet		42,700	42,700	
Tunisia, Republic of				
English-language teaching program at Bourguiba Institute of Languages		352,500		352,500
Experimental program in family planning	100,000			100,000
Secretarial and accountancy school	12,119		8,930	3,189
Turkey				
Economic and Social Studies Conference Board				
Conference program among Turkish leaders	21,180	222,220	15,000	228,400
Translation facilities and staff-training		49,000	21,315	27,685
Istanbul, University of				
Institute of Business Administration	123,000		75,921	47,079
Middle East Technical University				
Establishment of a computing center		100,000		100,000
Graduate programs in mathematics and science	459,104		204,498	254,606
Preparatory English-language teaching program		123,000	45,000	78,000
Near East College Association				
Teacher recruitment for Robert College and American College for Girls	30,000	(11,455)	18,545	

150	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Robert College				
English-language teaching program		86,000	11,000	75,000
Teacher recruitment for Robert College and American College for Girls		30,000	30,000	
Scientific and Technical Research Council				
Graduate fellowships for training abroad		250,000		250,000
Turkey, Government of				
Establishment of a national science high school	843,627		488,806	354,821
Turkish Management Association				
Establishment of management-training center		14,000		14,000
Turkish Society for Pure and Applied Mathematics				
Preparation of mathematical publications	10,000		10,000	
United Arab Republic				
American University in Cairo				
Resettlement survey for Egyptian Nubians	65,000		22,000	43,000
National Academy of Sciences				
Visiting American professors for Egyptian universities		(3,383)	(3,383)	
United Arab Republic, Government of				
Conference program for government officials		179,000		179,000
Economic and social development of Aswan Governorate		600,000		600,000
Institute of Land Reclamation	122,243		40,000	82,243
Institute of National Planning	242,949		201,426	41,523
Institute of Public Administration	15,883	(1,883)	14,000	
Institute of Statistical Studies and Researches	82,000			82,000
Teaching of English as a second language		196,200		196,200
SOUTH AND SOUTHEAST ASIA				
Eastern Regional Organization for Public Administration				
Asian study group on technical assistance		38,500	8,500	30,000
Seminars, research, and general support	204,600		82,761	121,839
International Association of Universities				
Study of higher education in Southeast Asia	200,000			200,000
Burma				
Burma, Government of				
Faculty of Agriculture, University of Mandalay	340,000	(358,734)	(18,734)	
Pilot project in supervised credit	81,526	(81,526)		
Science-teaching program		(60,767)	(60,767)	
Training in agriculture, administration, and economics	23,464	(23,464)		

151	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
International Development Services				
Development of Agricultural Institute	102,838	(113,416)	(10,578)	
Kambawsa College				
Science-teaching program		(2,664)	(2,664)	
Rangoon, University of				
Research in statistics and economics		(9,048)	(9,048)	
India				
Allahabad Agricultural Institute				
Implements and power-development center	298,573	163,000	101,000	360,573
American-International School of New Delhi				
Purchase of equipment and furnishings	20,000		10,000	10,000
Baroda, University of				
Graduate program in home economics	568,275	100,000	311,775	356,500
Birla Institute of Technology and Science				
Faculty and curriculum development		160,000		160,000
Cornell University				
Indian Institute of Labor Relations Research	348,235		133	348,102
Delhi, University of				
Planning unit for development program		21,000		21,000
Research and training in Chinese studies		536,000		536,000
Development of national family-planning program				
American Public Health Association		171,000	86,000	85,000
Gandhigram		465,000	300,100	164,900
India, Government of (Ministry of Health)	618,000	1,246,000	3,564	1,860,436
Institute of International Education	255,000		130,000	125,000
Educational Services Incorporated				
Indian Institute of Technology		(1,904)	(1,904)	
Establishment of electronic computing centers				
Bombay, University of		226,000		226,000
Delhi, University of		371,000		371,000
Indian Agricultural Research Institute		386,000		386,000
Programme Evaluation Organization		462,000		462,000
Gandhigram				
Research and training in village improvement	10,063		10,063	
India, Government of				
Ministry of Commerce and Consumer Industry				
Small-industries extension and training	280,500		45,000	235,500

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Ministry of Community Development				
Central Institute of Study and Research in Community Development	162,664		9,773	152,891
Organization of village youth activity	120,200		120,200	
Scholarships for village-level workers	226,375		226,375	
Strengthening role of village schoolteachers	525,000		275,000	250,000
Village work for university students and teachers	176,501		45,000	131,501
Ministry of Education				
Apprenticeships in village development		(24,185)	(24,185)	
English-language teaching institute	395,812		136,470	259,342
Examination reforms in secondary education	45,000		45,000	
Workshop on writing for new literates			(1,945)	1,945
Ministry of Food and Agriculture				
Demonstration program in food production	7,177,533		2,243,697	4,933,836
Extension departments for agricultural colleges	6,000			6,000
Training extension workers for youth activities	28,500		28,500	
Ministry of Home Affairs				
Research and training in population statistics		954,800	38,942	915,858
Ministry of Information and Broadcasting				
Educational-television experiment in Delhi schools	162,528		31,320	131,208
Ministry of Labour and Employment				
Institute of Employment Service Research and Staff Training		295,000		295,000
Ministry of Works, Housing, and Supply				
Centers in village housing and planning	120,000			120,000
Indian Law Institute				
Legal training and research	313,882		67,000	246,882
Massachusetts Institute of Technology				
Research on Indian development	416,775		100,000	316,775
National Institute for Industrial Design				
Training and research in industrial design	650,000		300,000	350,000
North Carolina State				
Agricultural-engineering training at Indian Institute of Technology		370,000		370,000
Ohio State University				
Agricultural-engineering training at Punjab Agricultural University		642,000	130,000	512,000
Pilot projects in urban community development				
Ahmedabad Municipal Corporation	134,760			134,760
West Bengal, Government of	1,447,876	240,000	726,140	961,736
Research in reproductive biology				
All-India Institute of Medical Sciences	353,709		97,926	255,783
Banaras Hindu University	49,500		10,000	39,500

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Central Drug Research Institute	185,620		77,500	108,120
Delhi, University of	279,500		30,263	249,237
Indian Institute of Science	86,000		34,300	51,700
Institute of Agriculture (Anand)	249,850		78,038	171,812
Institute of Obstetrics and Gynecology		182,000		182,000
Kerala University	119,000		32,500	86,500
Mysore, University of	22,000		12,500	9,500
National Institute of Sciences of India		(2,369)	(2,369)	
Rajasthan, University of	167,000		71,500	95,500
Topiwala National Medical College	125,000		40,000	85,000
Research and training in economics and the social sciences				
Bombay, University of	17,748		7,230	10,518
Calcutta, University of	393			393
Gokhale Institute of Politics and Economics	300,000		52,500	247,500
Indian Statistical Institute	10,000		3,000	7,000
Institute of Applied Manpower Research	183,000		83,000	100,000
National Council of Applied Economic Research	209,544		74,500	135,044
Research and training in industrial relations and business management				
Administrative Staff College of India	12,435	800,000	28,734	783,701
All India Management Association	25,000			25,000
Indian Institute of Management (Ahmedabad)	233,000	1,070,000	233,000	1,070,000
Indian Institute of Management (Calcutta)	459,500	300,000	209,000	550,500
Research and training in planning and economic development				
Bombay, University of	166,500		14,532	151,968
Gokhale Institute of Politics and Economics	225,000		43,890	181,110
India, Government of	85,000		20,000	65,000
Indian Statistical Institute	85,000			85,000
Institute of Economic Growth	154,940			154,940
National Council of Applied Economic Research	157,435			157,435
Research on world affairs				
Indian Council of World Affairs	40,000		40,000	
Indian School of International Studies	18,911		18,911	
Small Industry Extension Training Institute				
Faculty-training and improvement of facilities	948,000		146,279	801,721
South India Teachers Union Council of Educational Research				
Study of teaching problems and practices	6,000		3,000	3,000
Southern Languages Book Trust				
Publication of books in South Indian languages	84,500		36,050	48,450
Training in public administration				
Indian Institute of Public Administration	500,000		97,500	402,500
National Academy of Administration	52,500		17,000	35,500

154	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
University Grants Commission				
Training of general-education teachers	100,000			100,000
Uttar Pradesh Agricultural University				
Farm-management training and research	270,000		45,150	224,850
Indonesia				
Agricultural Development Council				
Project planning in community development	38,862		25,000	13,862
California, University of (Berkeley)				
Faculty of Economics at University of Indonesia	335,166		(15,418)	350,584
Cornell University				
Publication of English-Indonesian dictionary	121,000			121,000
Harvard University				
National Economic and Social Research Institute	225,000			225,000
Indiana University				
Development of clerical-training center	170,000			170,000
Indonesia, Government of				
Community Development Training Center	33,558	(33,558)		
Curriculum work at teacher-training colleges	3,911		3,911	
English-language teaching materials	21,251	75,000	20,219	76,032
Scientific equipment and technical education	17,265	(14,707)	2,558	
Museum Puri Lukisan				
Museum of Balinese art	507	(507)		
National Lutheran Council				
Faculty of Economics, Nommensen University	227,026		111,672	115,354
Research Foundation of State University of New York				
Curriculum improvement at three Indonesian teacher-training colleges	993,208	1,275,000	823,208	1,445,000
Wisconsin, University of				
Cooperative program in economics between American and Indonesian universities	155,000		155,000	
Faculty of Economics, Gadjah Mada University	261,566		231,900	29,666
Malaysia				
Family Planning Association of Singapore				
Research, training, and model-clinic facilities		180,000	90,000	90,000
Malaya, University of				
Establishment of School of Education	525,000		62,800	462,200

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Singapore, University of				
Center for economic research		583,000		583,000
Development of library resources and staff	370,000		230,500	139,500
Faculty training, library expansion, and research at Department of Law	300,000		60,000	240,000
Stanford Research Institute				
Assistance to Rural and Industrial Development Authority	36,000	38,000	36,000	38,000
Nepal				
National 4-H Club Foundation of America				
Farm youth exchange with Nepal	3,896		3,896	
Nepal, Government of				
Training assistance for Nepal Planning Board	355,539		105,508	250,031
Training in small industries and home economics	40,000		40,000	
Pakistan				
Advisory services for Administrative Staff College of Pakistan				
Administrative Staff College (Henley, England)	23,000		11,000	12,000
Syracuse University	75,000	295,500	25,000	345,500
Chicago, University of				
Education-extension program and student- teacher centers in Pakistan	752,550	375,000	421,000	706,550
Dacca, University of				
Center for student-teacher activities	255,020		47,488	207,532
Socio-Economic Research Board	12,000		12,000	
East Pakistan, Government of				
College of Home Economics at Dacca	12,480			12,480
Education extension center and pilot schools	45,000			45,000
Educational Equipment Development Bureau		250,000		250,000
Pilot program in cooperative agriculture	77,012	410,000	377,012	110,000
Equipment for schools serving American personnel				
Dacca American Society School	10,000			10,000
Karachi American Society	50,000			50,000
Lahore American Society	25,000			25,000
Harvard University				
Assistance to Pakistan National Planning Commission	365,000		200,000	165,000
Institute of International Education				
Survey of Pakistani citizens abroad		33,500		33,500
Inter-University Board for Pakistan				
Secretariat to raise academic standards	60,000		34,979	25,021

	UNPAID Sept. 30, 1963	changes during the fiscal year GRANTS (Reductions)	PAYMENTS (Refunds)	UNPAID Sept. 30, 1964
Michigan State University				
Academies for village-development administrators	202,000		22,607	179,393
Oklahoma State University				
Technical education and home-economics training	637,940	1,322,000	429,936	1,530,004
Pakistan Academy for Rural Development				
Housing facilities for visitors		20,000		20,000
Pakistan, Government of				
Academies for village-development administrators	177,427		177,427	
Administrative Staff College	1,523	(1,523)		
Architectural supervision of projects	48,500		27,000	21,500
Centers for student-teacher activities at Universities of Dacca and the Panjab	920	(920)		
Colleges of Home Economics	1,582	(1,582)		
Commission on National Education	19,288			19,288
Demonstration centers for rural industry	94,528	(98,230)	(3,702)	
Institute of Development Economics	58	(58)		
National Institute of Family Planning	15,626	(15,626)		
Planning and Development Division of Ministry of Education	267,613		813	266,800
Panjab, University of the				
Center for student-teacher activities	100,000			100,000
Research and training in linguistics		(66,827)	(66,827)	
Population Council				
Research and training in Pakistani family planning	522,500		250,000	272,500
Stanford Research Institute				
Small-industry development in Pakistan		536,000		536,000
Stanford University				
Institute of Development Economics at Karachi	389,784	590,000	164,900	814,884
West Pakistan, Government of				
Education extension center and pilot schools	280,385		26,000	254,385
Educational Equipment Technical Assistance Center	260,000		20,625	239,375
Training in urban planning and development	238,809		238,809	
Philippines				
International Rice Research Institute				
Research and training in rice culture		800,000		800,000
Philippine Normal College				
Research and training in languages and linguistics		312,000		312,000
Philippines, University of the				
College of Business Administration graduate program	95,000		48,500	46,500
Curriculum improvement and teaching materials in science		310,000		310,000
Development of College of Agriculture	935,000		931,150	3,850

157	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Establishment of Population Institute		208,500		208,500
Institute of Public Administration	215,000		190,000	25,000
Library resources development in the social sciences		377,500		377,500
Vietnam				
Vietnam, Government of				
Training and research in fiscal management	215,000			215,000
Totals — Overseas Development	<u>\$56,530,527</u>	<u>\$46,188,272</u>	<u>\$29,569,227</u>	<u>\$73,149,572</u>

Special Institutional Grants

Development of a national cultural center in New York City				
Juilliard School of Music	\$252,000			\$252,000
Lincoln Center for the Performing Arts	9,700,000		\$2,950,000	6,750,000
Metropolitan Opera Association	2,500,000			2,500,000
Philharmonic-Symphony Society of New York	1,365,000		399,447	965,553
John F. Kennedy Center for the Performing Arts				
Construction of a center in Washington, D.C.	5,000,000			5,000,000
Totals — Special Institutional Grants	<u>\$18,817,000</u>		<u>\$3,349,447</u>	<u>\$15,467,553</u>

Miscellaneous Grants

Reductions and refunds				
Miscellaneous reductions and refunds, of less than \$1,000 each, from fifty-three grants made under various programs in past years				
		(\$13,390)	(\$13,390)	
Chicago, University of				
Foreign-student aid in Africa		4,200	4,200	
Detroit area community activities				
Detroit Symphony Orchestra	\$30,000	2,000,000	1,273,373	\$756,627
Merrill-Palmer Institute		60,000	20,000	40,000
Metropolitan Detroit Building Fund		150,000	150,000	
United Foundation		300,000	300,000	
Concluded Programs*				
Hospital Research and Education Trust				
Hospital counseling in administrative practices	156,599		156,599	

*Grants, refunds, and reductions which derive from grants or appropriations approved in previous years under programs in which the Foundation is no longer active.

	UNPAID Sept. 30, 1963	changes during the fiscal year		UNPAID Sept. 30, 1964
		GRANTS (Reductions)	PAYMENTS (Refunds)	
Improvement of hospital services				
Gothenberg Memorial Hospital, Gothenberg, Neb.		(1,959)	(1,959)	
Hudson Hospital Association, Hudson, Mass.		(10,000)	(10,000)	
Los Alamos Medical Center, Los Alamos, N.M.		(35,500)	(35,500)	
Lutheran Hospitals and Homes Society of America		35,500	35,500	
National Fund for Medical Education				
Aid to medical schools in the United States		726,825	726,825	
Research and training in the behavioral sciences				
California, University of (Berkeley)		(2,843)	(2,843)	
Harvard University	5,000	(3,540)	(3,540)	5,000
Illinois, University of		(2,075)	(2,075)	
Michigan, University of		(23,848)	(23,848)	
Minnesota, University of	68,930	(85,513)	(16,583)	
Stanford University	30,000	(45,053)	(15,053)	
Swarthmore College	4,000		4,000	
Yale University	15,800		15,800	
Research in mental health				
Chestnut Lodge Research Institute		(1,661)	(1,661)	
Foundations' Fund for Research in Psychiatry	777,380		653,123	124,257
Pennsylvania, University of	43,890			43,890
Totals — Miscellaneous Grants	<u>\$1,131,599</u>	<u>\$3,051,143</u>	<u>\$3,212,968</u>	<u>\$969,774</u>
Totals — Grants	<u>\$324,187,594</u>	<u>\$225,136,327†</u>	<u>\$199,645,004</u>	<u>\$349,678,917</u>

†This amount consists of \$142,605,808 for grants approved by direct action of the Board of Trustees (after reductions), and \$82,530,519 for grants from appropriations approved by the Board in 1964 and previous years.

Statement of Projects

for the year ended September 30, 1964

(Projects are activities administered directly by the Foundation rather than by grantees. The first and fourth columns show unexpended project balances at the end of the respective fiscal years. The second column shows projects approved during fiscal 1964. The column in color shows total 1964 expenditures for projects approved in fiscal 1964 or earlier.)

	UNEXPENDED BALANCE Sept. 30, 1963	changes during the fiscal year PROJECTS AUTHORIZED (Reductions)	EXPEN- DITURES	UNEXPENDED BALANCE Sept. 30, 1964
Education in the United States				
Conferences and seminars on teacher education	\$3,631	\$50,000	\$16,412	\$37,219
Consultants on vocational and technical education	23,088	18,000	16,289	24,799
Evaluation of school-improvement programs		50,000		50,000
Evaluation of summer programs for deprived students		10,000	336	9,664
Improvement of instructional television	73,243	13,612	14,484	72,371
Studies and other work on economics of education	4,311	(4,311)		
Economic Development and Administration				
Distribution of manuals for business teachers	3,986	(2,712)	1,274	
Publication of doctoral dissertations on business	49,186		15,691	33,495
Publication on economics of health, education, and welfare	8,285		1,416	6,869
Study of programs to train overseas economists	5,456		4,995	461
Public Affairs				
Comprehensive community-development projects	200,977		60,589	140,388
Evaluations of grant-supported programs	63,791	12,000	22,678	53,113
Humanities and the Arts				
Administration of grants-in-aid to artists	75,090		32,060	43,030
Commissions for new American operatic and musical works	62,036		31,000	31,036
Fellowships in the creative arts for persons not associated with academic institutions	29,625		29,625	
Film-makers program		118,500	84,362	34,138
Opera singers program	123,083		92,431	30,652
Planning for Henry Ford Memorial Library	17,861		784	17,077
Program for composers in secondary schools	12,800		(95)	12,895
Program for poets and fiction writers associated with theaters and opera companies	5,500		5,000	500

	UNEXPENDED BALANCE Sept. 30, 1963	changes during the fiscal year PROJECTS AUTHORIZED (Reductions)	EXPENDI- TURES	UNEXPENDED BALANCE Sept. 30, 1964
Purchase of works by American artists	96,646	30,000	62,705	63,941
Resident theater program for playwrights		325,000		325,000
Scenic design program	59,000			59,000
Study of American artists and the arts		(2,200)	(2,200)	
Training of fine-arts museum personnel		418,500	415	418,085
International Training and Research				
Evaluation of International Legal Studies program	(1,585)	14,446	12,861	
Indian Law Institute	2,423	(2,242)	181	
Postdoctoral fellowships in Latin-American studies		400,000	7,863	392,137
Science and Engineering				
Conference on resources and environment		15,000	10,573	4,427
Residencies in industry for engineering professors	300,000		41,227	258,773
International Affairs				
Administration of aid to institutions in Berlin	76,562	125,000	112,674	88,888
Conferences on European higher education		50,000	13,291	36,709
Evaluation of Athens Technological Organization	8,366		4,115	4,251
Seminar on the press in developing countries	4,869			4,869
Surveys for Foundation activities in Japan	7,294	6,500	10,179	3,615
Study of economic growth in Atlantic area	18,364	5,990	24,346	8
Population				
Specialists to encourage population research	87,181		70,853	16,328
Overseas Development				
Consultant on language training	9,307	(7,466)	1,841	
Study of supply of development personnel	7,067			7,067
LATIN AMERICA AND THE CARIBBEAN AREA				
Housing, transport, and other local expenditures for consultants and other professional staff engaged in Foundation projects in Latin America and the Caribbean area	437,193	464,753	618,373	283,573
Latin-American regional conferences		140,000		140,000
Regional consultants	60,395	250,000	287,709	22,686
Training for Overseas Development program personnel	166,851		32,815	134,036
Consultants for Argentina on public administration, soil science, technical education, and urban planning	109,559	59,300	59,401	109,458
Consultants for Brazil on science teaching	(5,735)	(1,765)	(7,500)	
Seminar in Brazil on law and economics	2,255	(2,255)		
Consultants for Central America on higher education	28,492		1,938	26,554
Consultants for Chile on agriculture, community and rural housing, education, and development	324,742	404,346	304,806	424,282

	UNEXPENDED BALANCE Sept. 30, 1963	changes during the fiscal year PROJECTS AUTHORIZED (Reductions)	EXPENDI- TURES	UNEXPENDED BALANCE Sept. 30, 1964
Consultants for Colombia on teacher-training and training in public administration	77,868		58,720	19,148
Architectural services for agricultural center in Chapingo, Mexico	368,833		224,240	144,593
Consultants for Mexico on agriculture, education, development, and economic research	126,230	(5,586)	65,572	55,072
Consultants for Venezuela on public administration	36,082	132,250	22,027	146,305
AFRICA				
Housing, transport, and other local expenditures for consultants and other professional staff engaged in Foundation projects in Africa	163,379	440,980	569,325	35,034
Regional consultants on economic development and planning, education, public administration, science, and vocational training	360,647	826,000	232,160	954,487
Training workshops for East and West Africans		300,000	43,806	256,194
Consultants for the Congo on economic planning		207,000	18,403	188,597
Consultants for Ghana on manpower	(966)	76,000	29,308	45,726
Consultants for Ghana and Nigeria on economic planning and public-service training	581,313		475,704	105,609
Management-training workshops for Ghanaians and Nigerians	20,977		20,977	
Consultants for Nigeria on economic development, libraries, and public administration	106,669		61,819	44,850
Establishment of a national library in Nigeria	120,604		56,615	63,989
Consultants for Tanganyika on public-service training	393,844		140,584	253,260
Development of job training in Uganda	84,297		29,702	54,595
MIDDLE EAST				
Housing, transport, and other local expenditures for consultants and other professional staff engaged in Foundation projects in the Middle East	69,589	703,074	611,227	161,436
Regional consultants on agriculture, education, fiscal administration, language training, and economic, industrial, and rural development; conferences and workshops	231,708	997,500	274,567	954,641
Consultants for Algeria on public administration		50,000		50,000
Consultants for Iran on economic education	46,467		9,118	37,349
Consultants for University of Baghdad in Iraq on library development	114,274		2,713	111,561
Consultants for Jordan on dairy equipment, economic planning, and education	98,655	(4,960)	92,195	1,500
Consultants for Lebanon on agriculture, industry, education, and public administration	212,586	110,077	98,640	224,023
Consultants for Saudi Arabia on public administration	39,272	156,000	89,011	106,261
Consultants for Syria on agriculture and rural development	349,804	(146,653)	167,999	35,152
Consultants for Tunisia on economics and language teaching	102,188		52,546	49,642
Consultants for Turkey on business; conference on management	85,314	(314)	26,195	58,805

	UNEXPENDED BALANCE Sept. 30, 1963	changes during the fiscal year PROJECTS AUTHORIZED (Reductions)	EXPEN- DITURES	UNEXPENDED BALANCE Sept. 30, 1964
Consultants for the United Arab Republic on land reclamation, economic development of Aswan area, management development, statistics, training of government officials, and water resources	847,978	110,000	250,051	707,927
SOUTH AND SOUTHEAST ASIA				
Housing, transport, and other local expenditures for consultants and other professional staff engaged in Foundation projects in South and Southeast Asia	1,242,274	1,817,726	2,518,951	541,049
Consultants for Foundation offices in South and Southeast Asia	861,709	35,000	577,203	319,506
Regional consultants	117,106	655,534	2,640	770,000
Training for Overseas Development program personnel	276,892		104,130	172,762
Consultants for India on education, family planning, population, and village housing	466,901	(68,983)	270,229	127,689
Consultants for India on education-demonstration program in food production	948,410		423,196	525,214
Consultants for the Calcutta Metropolitan Planning Organization		240,000		240,000
Study tours for Indian agricultural officials		30,000	14,465	15,535
Consultants for Malaysia on economic planning		240,000	26,072	213,928
Consultants for Pakistan on advanced management training	101,461		9,737	91,724
Totals — Projects	<u>\$11,213,560</u>	<u>\$9,858,641†</u>	<u>\$9,767,644</u>	<u>\$11,304,557</u>

†Of this amount, \$62,000 was approved by direct action of the Board of Trustees, and \$9,796,641 was authorized from appropriations previously approved by the Board.

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(Organizations and institutions listed *without* an asterisk are recipients of grants. Others [*] are directly associated with, or otherwise cooperating in, grant activities. Italicized pages are in the Financial Statements.)

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