

## APPENDIX C

### Grants Other Than Research

FISCAL YEAR 1957

#### *Conferences in Support of Science*

- AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D. C.; *Gordon Conferences*; \$10,000.
- AMERICAN ASSOCIATION OF PHYSICS TEACHERS, Bryn Mawr, Pa.; *Conference to Study Laboratory Instruction in General College Physics*; \$7,475.
- AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D. C.; *The Role of Botany in American Education*; \$4,106.
- AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D. C.; *Conference on Aging as a Biological Problem*; \$10,000.
- ARMOUR RESEARCH FOUNDATION OF ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; *International Ozone Conference*; \$5,000.
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *World Conference on Prestressed Concrete*; \$10,000.
- CANADIAN MATHEMATICAL CONGRESS, Montreal, Canada; *Seminar in Mathematics and Physics*; \$2,000.
- UNIVERSITY OF CHICAGO, Chicago, Ill.; *Present Status and Future of Darwinian Evolution*; \$13,000.
- ELECTROCHEMICAL SOCIETY, INC., New York, N. Y.; *Conference on the Structure of Electrolytic Solutions*; \$10,000.
- HARVARD UNIVERSITY, Cambridge, Mass.; *Symposium on the Scale of the Galaxy*; \$1,380.
- HUNTER COLLEGE, New York, N. Y.; *Conference on the Undergraduate Mathematics Curriculum*; \$5,750.
- UNIVERSITY OF ILLINOIS, Urbana, Ill.; *Symposium on Radio Sources Outside the Galaxy*; \$460.
- ILLINOIS STATE ACADEMY OF SCIENCES, Urbana, Ill.; *Undergraduate Research Conference*; \$7,000.
- STATE UNIVERSITY OF IOWA, Iowa City, Iowa; *The Midwest Conference on Theoretical Physics*; \$1,500.
- JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; *Conference on the Education of Chemists*; \$11,500.
- LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Spring Harbor, N. Y.; *XXIInd Cold Spring Harbor Symposium on Quantitative Biology*; \$6,500.
- MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N. Y.; *Conference Entitled A Study of the Possible Uses of Films in the Teaching of College Mathematics*; \$1,200.
- MISSOURI BOTANICAL GARDEN, St. Louis, Mo.; *Basic Concepts and Techniques in Systematics*; \$1,500.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Conference on Undergraduate Programs in the Biological Sciences and Ad Hoc Panels on Courses*; \$10,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Nuclear Geophysics*; \$5,100.

- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Fourth General Assembly and Congress of the International Union of Crystallography*; \$6,900.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Planning for an International Conference on Scientific Information*; \$38,100.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Photochemistry of Solids and Liquid Systems*; \$11,300.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Archaeological Identifications by Specialists in Related Disciplines*; \$3,300.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *International Conference on Biogenesis*; \$10,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Problems of Tektites*; \$1,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Symposium on Photoperiodism*; \$13,800.
- NEW YORK ACADEMY OF MEDICINE, New York, N. Y.; *Symposium on Cellular and Humoral Aspects of the Hypersensitive States*; \$4,100.
- UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N. C.; *Gravitational Theory*; \$5,000.
- NORTHWESTERN UNIVERSITY, Evanston, Ill.; *Liquid Scintillation Counting*; \$4,000.
- OHIO STATE UNIVERSITY, Columbus, Ohio; *Size and Shape of the Earth*; \$1,725.
- PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; *Natural and Synthetic Minerals*; \$1,100.
- SOCIETY FOR THE STUDY OF DEVELOPMENT AND GROWTH, Princeton, N. J.; *Sixteenth Growth Symposium*; \$5,800.
- SMITHSONIAN INSTITUTION, Washington, D. C.; *Third Symposium on Cosmical Gas Dynamics*; \$3,500.
- STANFORD UNIVERSITY, Stanford, Calif.; *Nuclear Sizes and Density Distributions*; \$7,000.
- U. S. NATIONAL COMMITTEE, INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE, Denver, Colo.; *The Third International Congress on Irrigation and Drainage*; \$5,000.
- UNIVERSITY OF UTAH, Salt Lake City, Utah; *Identification of Creative Scientific Talent*; \$4,875.
- UNIVERSITY OF WISCONSIN, Madison, Wis.; *The Fifth International Conference on Low Temperature Physics and Chemistry*; \$10,000.

### *Education in the Sciences*

#### ACADEMIC YEAR INSTITUTES

- UNIVERSITY OF CHICAGO, Chicago, Ill.; *Academic Year Institute for High School Teachers of Mathematics*; 10 months; \$185,300.
- UNIVERSITY OF COLORADO, Boulder, Colo.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$303,650.
- HARVARD UNIVERSITY, Cambridge, Mass.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$259,000.
- UNIVERSITY OF ILLINOIS, Urbana, Ill.; *Academic Year Institute for High School Teachers of Mathematics*; 10 months; \$155,600.
- UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; *Academic Year Institute for High School Teachers of Science*; 10 months; \$278,900.
- UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N. C.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$267,600.
- OHIO STATE UNIVERSITY, Columbus, Ohio; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$266,230.

- OKLAHOMA AGRICULTURAL AND MECHANICAL COLLEGE, Stillwater, Okla.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$276,100.
- OREGON STATE COLLEGE, Corvallis, Oreg.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$270,050.
- PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; *Academic Year Institute for High School Teachers of Science*; 10 months; \$280,000.
- STANFORD UNIVERSITY, Stanford, Calif.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$280,000.
- UNIVERSITY OF TEXAS, Austin, Tex.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$291,300.
- UNIVERSITY OF UTAH, Salt Lake City, Utah; *Academic Year Institute for High School Teachers of Mathematics*; 10 months; \$299,280.
- UNIVERSITY OF VIRGINIA, Charlottesville, Va.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$279,375.
- WASHINGTON UNIVERSITY, St. Louis, Mo.; *Academic Year Institute for High School Teachers of Science and Mathematics*; 10 months; \$279,600.
- UNIVERSITY OF WISCONSIN, Madison, Wis.; *Academic Year Institute for High School Teachers of Science*; 10 months; \$278,900.

## IN-SERVICE INSTITUTES

- ADELPHI COLLEGE, Garden City, N. Y.; *In-service Institute for Secondary School Teachers of Science*; 32 weeks; \$4,830.
- ANTIOCH COLLEGE, Yellow Springs, Ohio; *In-service Training Program for High School Teachers of Science and Mathematics*; 15 weeks; \$8,450; spring 1957.
- ANTIOCH COLLEGE, Yellow Springs, Ohio; *In-service Institute for Secondary School Teachers of Science and Mathematics*; 32 weeks; \$21,350.
- BALL STATE TEACHERS COLLEGE, Muncie, Ind.; *In-service Institute for Secondary School Teachers of Mathematics*; 32 weeks; \$5,500.
- BOWDOIN COLLEGE, Brunswick, Maine; *In-service Institute for Secondary School Teachers of Science*; 32 weeks; \$5,500.
- BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; *In-service Institute for High School Teachers of Science and Mathematics*; 32 weeks; \$3,980.
- BROWN UNIVERSITY, Providence, R. I.; *In-service Institute for Secondary School Teachers of Science and Mathematics*; 32 weeks; \$10,600.
- CARLETON COLLEGE, Northfield, Minn.; *In-service Institute for Secondary School Teachers of Science*; 32 weeks; \$5,270.
- CORNELL UNIVERSITY, Ithaca, N. Y.; *In-service Institute for High School Teachers of Science and Mathematics*; 32 weeks; \$4,200.
- UNIVERSITY OF DENVER, Denver, Colo.; *In-service Institute for Secondary School Teachers of Science*; 32 weeks; \$3,830.
- EMORY UNIVERSITY, Emory University, Ga.; *In-service Institute for Secondary School Teachers of Science and Mathematics*; 32 weeks; \$18,950.
- FISK UNIVERSITY, Nashville, Tenn.; *In-service Institute for Secondary School Teachers of Chemistry*; 32 weeks; \$4,750.
- HAMPTON INSTITUTE, Hampton, Va.; *In-service Institute for Secondary School Teachers of Science and Mathematics*; 32 weeks; \$10,000.
- MOUNT MERCY COLLEGE, Pittsburgh, Pa.; *In-service Institute for Secondary School Teachers of Chemistry*; 32 weeks; \$8,830.
- MUNDELEIN COLLEGE, Chicago, Ill.; *In-service Institute for Secondary School Teachers of Biology*; 32 weeks; \$2,290.
- MURRAY STATE COLLEGE, Murray, Ky.; *In-service Institute for High School Teachers of Science and Mathematics*; 32 weeks; \$3,970.

- NEW YORK UNIVERSITY, New York, N. Y.; *In-service Institute for Secondary School Teachers of Mathematics*; 32 weeks; \$5,750.
- NEW YORK UNIVERSITY, New York, N. Y.; *In-service Institute for Secondary School Teachers of Science*; 32 weeks; \$5,900.
- UNIVERSITY OF PUERTO RICO, Mayaguez, P. R.; *In-service Institute for Secondary School Teachers of Mathematics*; 32 weeks; \$3,200.
- REED COLLEGE, Portland, Oreg.; *In-service Training Program for High School Teachers of Science and Mathematics*; 15 weeks; \$3,500; spring 1957.
- REED COLLEGE, Portland, Oreg.; *In-service Institute for Secondary School Teachers of Science and Mathematics*; 32 weeks; \$10,530.
- SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City, S. Dak.; *In-service Institute for Secondary School Teachers of Chemistry*; 36 weeks; \$3,350.
- UNIVERSITY OF TENNESSEE, Knoxville, Tenn.; *In-service Institute for Secondary School Teachers of Science and Mathematics*; 32 weeks; \$7,770.

## SUMMER INSTITUTES

- UNIVERSITY OF ALABAMA, University, Ala.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$49,800.
- UNIVERSITY OF ALASKA; *Summer Institute for High School Science Teachers*; 8 weeks; \$68,000.
- ALLEGHENY COLLEGE, Meadville, Pa.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$38,100.
- AMERICAN MATHEMATICAL SOCIETY, Providence, R. I.; *Summer Institute in Applied Mathematics for College Teachers*, at the University of Colorado; 4 weeks; \$22,400.
- AMERICAN UNIVERSITY, Washington, D. C.; *Summer Institute for High School Teachers of Chemistry and Physics*; 8 weeks; \$69,300.
- ARIZONA STATE COLLEGE, Flagstaff, Ariz.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$59,200.
- UNIVERSITY OF ARIZONA, Tucson, Ariz.; *Summer Institute for High School Teachers of Science*; 5 weeks; \$42,500.
- UNIVERSITY OF ARKANSAS, Fayetteville, Ark.; *Summer Institute for High School Teachers of Science*; 12 weeks; \$131,800.
- ATLANTA UNIVERSITY, Atlanta, Ga.; *Summer Institute for High School Teachers of Science and Mathematics*; 9 weeks; \$43,500.
- BAYLOR UNIVERSITY, Waco, Tex.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$72,900.
- BOTANICAL SOCIETY OF AMERICA, Wellesley, Mass.; *Summer Institute for College Teachers of Botany*, at Cornell University; 6 weeks; \$43,900.
- BUCKNELL UNIVERSITY, Lewisburg, Pa.; *Summer Institute for High School Science Teachers*; 6 weeks; \$53,000.
- UNIVERSITY OF BUFFALO, Buffalo, N. Y.; *Summer Institute for High School Teachers of Mathematics*; 4 weeks; \$34,400.
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *Summer Institute in Radiation Biology for High School Teachers of Science*, at Los Angeles; 6 weeks; \$15,400.
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *Summer Institute for High School Teachers of Science and Mathematics*; 8 weeks; \$247,500.
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$10,200.
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *Summer Institute for High School Teachers of Science*, at Los Angeles; 6 weeks; \$102,000.
- UNIVERSITY OF CHICAGO, Chicago, Ill.; *Summer Institute for High School Teachers of Mathematics*; 6 weeks; \$58,900.

- CLAREMONT COLLEGE, Claremont, Calif.; *Summer Institute for High School and Junior College Teachers of Biology*; 4 weeks; \$23,200.
- CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N. Y.; *Summer Institute for High School Teachers of Science and Mathematics*; 7 weeks; \$59,800.
- COLORADO COLLEGE, Colorado Springs, Colo.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$64,000.
- UNIVERSITY OF COLORADO, Boulder, Colo.; *Summer Institute for High School Teachers of Mathematics*; 6 weeks; \$51,500.
- COLUMBIA UNIVERSITY, New York, N. Y.; *Summer Institute for High School Teachers of Mathematics*; 6 weeks; \$53,800.
- CORNELL UNIVERSITY, Ithaca, N. Y.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$55,200.
- DUKE UNIVERSITY, Durham, N. C.; *Summer Institute for High School Teachers and Elementary School Supervisors of Science*; 9 weeks; \$89,500.
- DUKE UNIVERSITY, Durham, N. C.; *Summer Institute in Radiation Biology for High School Teachers*; 8 weeks; \$20,200.
- FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; *Summer Institute for High School Science Teachers*; 8 weeks; \$46,700.
- HARVARD UNIVERSITY, Cambridge, Mass.; *Summer Institute in Radiation Biology for High School Teachers of Science*; 8 weeks; \$20,800.
- UNIVERSITY OF HAWAII, Honolulu, Hawaii; *Summer Institute for High School Teachers of Science*; 8 weeks; \$63,700.
- HOWARD UNIVERSITY, Washington, D. C.; *Summer Institute for High School Teachers of Botany*; 8 weeks; \$39,500.
- UNIVERSITY OF IDAHO, Moscow, Idaho; *Summer Institute for High School Teachers of Science and Mathematics*; 8 weeks; \$69,000.
- UNIVERSITY OF ILLINOIS, Urbana, Ill.; *Summer Institute for College Teachers of Geology*; 8 weeks; \$40,800.
- INDIANA UNIVERSITY, Bloomington, Ind.; *Summer Institute for High School Teachers of Biology*; 6 weeks; \$33,200.
- INDIANA UNIVERSITY, Bloomington, Ind.; *Summer Institute for High School Teachers of Mathematics*; 8 weeks; \$49,600.
- IOWA STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS, Ames, Iowa; *Summer Institute for High School Teachers of Science*; 6 weeks, \$64,600.
- IOWA STATE TEACHERS COLLEGE, Cedar Falls, Iowa; *Summer Institute for High School Teachers of Science*; 6 weeks; \$51,100.
- KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$53,200.
- THE UNIVERSITY OF KANSAS, Lawrence, Kans.; *Summer Institute for High School and College Teachers of Mathematics*; 8 weeks; \$74,900.
- LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; *Summer Institute for High School Teachers of Science*; 9 weeks; \$67,100.
- THE MARSHALL FOUNDATION, INC., Huntington, W. Va.; *Summer Institute for High School Teachers of Physical Sciences*; 6 weeks; \$42,700.
- UNIVERSITY OF MARYLAND, College Park, Md.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$43,800.
- UNIVERSITY OF MASSACHUSETTS, Amherst, Mass.; *Summer Institute for High School Teachers of Mathematics*; 7 weeks; \$54,000.
- MIAMI UNIVERSITY, Oxford, Ohio; *Summer Institute for High School Teachers of Mathematics*; 6 weeks; \$50,500.

- MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing, Mich.; *Summer Institute for High School Teachers of Physical Sciences and Mathematics*; 6 weeks; \$50,600.
- UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; *Summer Institute for High School Teachers of Chemistry, Mathematics and Physics*; 8 weeks; \$67,950.
- UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; *Summer Institute for High School Teachers of Physics, Chemistry, Biology, and Junior High School Teachers of General Science*, 5 weeks; \$52,700.
- UNIVERSITY OF MISSISSIPPI, University, Miss.; *Summer Institute for High School Teachers of Science and Mathematics*; 11 weeks; \$80,600.
- UNIVERSITY OF MISSOURI, Columbia, Mo.; *Summer Institute for High School Teachers of Chemistry*; 8 weeks; \$61,700.
- MONTANA STATE COLLEGE, Bozeman, Mont.; *Summer Institute for High School and College Teachers of Chemistry*; 5 weeks; \$22,900.
- MONTANA STATE COLLEGE, Bozeman, Mont.; *Summer Institute for High School Teachers of Mathematics and Engineering*; 5 weeks; \$41,600.
- MORGAN STATE COLLEGE, Baltimore, Md.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$66,000.
- MURRAY STATE COLLEGE, Murray, Ky.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$72,600.
- UNIVERSITY OF NEW HAMPSHIRE, Durham, N. H.; *Summer Institute for High School Teachers of Chemistry*; 8 weeks; \$52,700.
- NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, N. Mex.; *Summer Institute for High School Teachers of Chemistry*; 8 weeks; \$67,300.
- UNIVERSITY OF NEW MEXICO, Albuquerque, N. Mex.; *Summer Institute in Radiation Biology for High School Teachers of Science*; 8 weeks; \$20,200.
- NORTH CAROLINA COLLEGE AT DURHAM, Durham, N. C.; *Summer Institute for High School Teachers of Science and Mathematics*; 6 weeks; \$55,700.
- UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N. C.; *Summer Institute for High School Teachers of Science and Mathematics*; 6 weeks; \$75,500.
- UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N. C.; *Summer Institute for College Teachers of Chemistry*; 6 weeks; \$50,100.
- UNIVERSITY OF NORTH DAKOTA, Grand Forks, N. Dak.; *Summer Institute for High School Teachers of Science and Mathematics*; 8 weeks; \$63,500.
- UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; *Summer Institute for High School Teachers of Mathematics*; 6 weeks; \$47,000.
- OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, INC., Oak Ridge, Tenn.; *Summer Institute for High School Teachers of Sciences*; 4 weeks; \$31,200.
- OHIO UNIVERSITY, Athens, Ohio; *Summer Institute for High School Teachers of Science*; 6 weeks; \$50,600.
- OHIO WESLEYAN UNIVERSITY, Delaware, Ohio; *Summer Institute for High School Teachers of Physics and Chemistry*; 8 weeks; \$57,300.
- OKLAHOMA AGRICULTURAL AND MECHANICAL COLLEGE, Stillwater, Okla.; *Summer Institute for High School Teachers of Science and Mathematics*; 9 weeks; \$70,200.
- UNIVERSITY OF OKLAHOMA, Norman, Okla.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$69,500.
- UNIVERSITY OF OREGON, Eugene, Oreg.; *Summer Institute for College Teachers of Biology*; 8 weeks; \$31,600.
- UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$57,200.
- POLYTECHNIC INSTITUTE OF PUERTO RICO, San German, P. R.; *Summer Institute for High School Teachers of Mathematics*; 8 weeks; \$49,500.

- PURDUE RESEARCH FOUNDATION, Lafayette, Ind.; *Summer Institute for High School Teachers of Biology*; 8 weeks; \$60,000.
- RENSELAER POLYTECHNIC INSTITUTE, Troy, N. Y.; *Summer Institute for High School Teachers of Science*; 8 weeks, \$64,000.
- UNIVERSITY OF ROCHESTER, Rochester, N. Y.; *Summer Institute for High School Teachers of Chemistry*; 6 weeks; \$43,800.
- RUTGERS, THE STATE UNIVERSITY, New Brunswick, N. J.; *Summer Institute for High School Teachers of Biology*; 6 weeks; \$25,500.
- ST. LOUIS UNIVERSITY, St. Louis, Mo.; *Summer Institute for High School Teachers of Chemistry*; 6 weeks; \$26,000.
- SAN JOSE STATE COLLEGE, San Jose, Calif.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$48,600.
- SOUTH DAKOTA STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS, College Station, S. Dak.; *Summer Institute for High School Teachers of Science and Mathematics*; 8 weeks; \$52,400.
- UNIVERSITY OF SOUTH DAKOTA, Vermillion, S. Dak.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$61,400.
- SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; *Summer Institute for High School Teachers of Science and Mathematics*; 6 weeks; \$27,600.
- STATE UNIVERSITY OF IOWA, Iowa City, Iowa; *Summer Institute for High School Teachers of Mathematics*; 6 weeks; \$58,400.
- STATE UNIVERSITY OF NEW YORK, Albany, N. Y.; *Summer Institute for Junior High School Teachers of Mathematics*; 6 weeks; \$31,200.
- STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$50,000.
- SYRACUSE UNIVERSITY, Syracuse, N. Y.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$73,000.
- UNIVERSITY OF TENNESSEE, Knoxville, Tenn.; *Summer Institute in Radiation Biology for Tennessee High School Biology Teachers*; 5 weeks; \$17,600.
- UNIVERSITY OF TEXAS, Austin, Tex.; *Summer Institute for High School Teachers of Natural Science and Mathematics*; 6 weeks; \$59,100.
- TUFTS UNIVERSITY, Medford, Mass.; *Summer Institute for High School Teachers of Science*; 6 weeks; \$42,500.
- TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; *Summer Institute for High School Chemistry Teachers*; 8 weeks; \$31,100.
- UTAH STATE AGRICULTURAL COLLEGE, Logan, Utah; *Summer Institute for High School Teachers of Chemistry*; 6 weeks; \$32,700.
- UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE, Burlington, Vt.; *Summer Institute for High School Teachers of Physics*; 8 weeks; \$62,800.
- VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg, Va.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$62,900.
- UNIVERSITY OF WASHINGTON, Seattle, Wash.; *Summer Institute for High School and College Teachers of Physics*; 9 weeks; \$75,600.
- WAYNE STATE UNIVERSITY, Detroit, Mich.; *Summer Institute in Radiation Biology for High School Teachers of Science*; 8 weeks; \$20,200.
- WESLEYAN UNIVERSITY, Middletown, Conn.; *Summer Institute for High School Teachers of Science and Mathematics*; 6 weeks; \$48,100.
- WESTERN MICHIGAN COLLEGE, Kalamazoo, Mich.; *Summer Institute for High School Teachers of Science*; 8 weeks; \$37,700.
- UNIVERSITY OF WISCONSIN, Madison, Wis.; *Summer Institute for High School Teachers of Chemistry*; 8 weeks; \$61,800.
- WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; *Summer Institute for High School Teachers of Physics and Mathematics*; 6 weeks; \$36,000.

- UNIVERSITY OF WYOMING, Laramie, Wyo.; *Summer Institute for High School Teachers of Mathematics*; 8 weeks; \$70,300.
- UNIVERSITY OF WYOMING, Laramie, Wyo.; *Summer Institute for High School Teachers of Physics and Chemistry*; 10 weeks; \$97,000.

## OTHER

- AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D. C.; *Workshop on Junior Academies of Science Activities*; 2 days; \$5,100.
- AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D. C.; *Traveling High School Science Library Program*; 1 year; \$113,960.
- AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D. C.; *Traveling High School Science Library Program*; 1 year; \$65,100.
- AMERICAN CHEMICAL SOCIETY, Washington, D. C.; *Visiting Scientists in Chemistry*; 1 year; \$20,000.
- AMERICAN INSTITUTE OF PHYSICS, New York, N. Y.; *Program of Lectures and Consultations by Visiting Scientists*; 1 year; \$35,500.
- AMERICAN PHYSIOLOGICAL SOCIETY, Augusta, Ga.; *Program of Summer Training for Teachers of College Physiology*; 1 year; \$50,000.
- AMERICAN SOCIETY OF ZOOLOGISTS, Princeton, N. J.; *Refresher Course Dealing With Recent Advances in the Study of Animal Behavior*; 4 days; \$2,000.
- CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena, Calif.; *Production of Sound-Color Films of Three Lectures*; 6 months; \$20,275.
- CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena, Calif.; *Summer Research Projects for Science Teachers in High Schools, Junior Colleges and Colleges*; 2 years; \$20,924.
- UNIVERSITY OF CHICAGO, Chicago, Ill.; *Survey of East European Literature in Intermediate Mathematics*; 1 year; \$6,000.
- UNIVERSITY OF CHICAGO, Chicago, Ill.; *Survey of Recent East European Literature in Intermediate Mathematics*; 2 years; \$20,700.
- COLUMBIA UNIVERSITY, New York, N. Y.; *Summer Training for Secondary School Science Teachers*; 2 months; \$18,600.
- DUKE UNIVERSITY, Durham, N. C.; *Experimental Program in the Retraining of Armed Services Officers for Teaching Mathematics in High School and College*; 1 year; \$9,500.
- INDIANA UNIVERSITY, Bloomington, Ind.; *Production of a 45-Minute Sound-Color Film*; 6 months; \$4,366.
- KENTUCKY STATE DEPARTMENT OF EDUCATION, Frankfort, Ky.; *Five Regional Work Conferences on Science Instruction*; 2 days; \$9,000.
- UNIVERSITY OF KENTUCKY, Lexington, Ky.; *Summer Conference in Science for Elementary, Secondary, and College Teachers and School Administrators*; 26 days; \$35,000.
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; *Curriculum Workshop in Electrical Engineering Education*; 10 days; \$20,000.
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; *The Teaching of Physical Science in the Secondary Schools*; 1 year; \$545,000.
- THE MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N. Y.; *Visiting Lecturers*; 2 years; \$55,200.
- MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing, Mich.; *Sourcebook of Laboratory and Field Studies for Secondary School Biology*; 8 weeks; \$37,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Sourcebook of Laboratory and Field Studies for Secondary School Biology Courses*; 1 year; \$15,000.

- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Career Opportunities in Biology*, \$5,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Maintaining the National Register of Scientific and Technical Personnel in the Earth Sciences*; 12 months; \$25,350.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Preparation of a Pamphlet of Guidance in Mathematics*; 1 year; \$9,700.
- NATIONAL BUREAU OF STANDARDS, Washington, D. C.; *Training Program in Numerical Analysis for Senior University Staff*; 4 months; \$55,400.
- NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, Washington, D. C.; *Mathematics Teacher Education Materials Writing Project*; 9 months; \$13,540.
- OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, INC., Oak Ridge, Tenn.; *A Traveling Science Demonstration Lecture Program for Secondary Schools*; 16 months; \$115,800.
- OREGON STATE COLLEGE, Corvallis, Oreg.; *Oregon State College Biology Colloquium*; 3 years; \$4,500.
- PURDUE UNIVERSITY, Lafayette, Ind.; *Development of a Master's Program To Prepare Retiring Military Officers To Teach Basic Courses in Mathematics in Colleges and Universities*; 1 year; \$7,000.
- RUTGERS, THE STATE UNIVERSITY, New Brunswick, N. J.; *Two 10-Day Science Institutes*; 10 days; \$6,900.
- SCIENCE SERVICE, INC., Washington, D. C.; *A Study of a Sample of the Participants in the Annual Science Talent Search*; 1 year; \$18,500.
- VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg, Va.; *The 1957 Southern Regional Graduate Summer Session in Statistics*; 6 weeks; \$3,900.
- WGBH EDUCATIONAL FOUNDATION, Cambridge, Mass.; *Three Pilot Films for a Series on the International Geophysical Year*; 6 months; \$85,900.
- UNIVERSITY OF WISCONSIN, Madison, Wis.; *History of Science Institute*; 10 days; \$24,270.

### *Scientific Manpower*

- AMERICAN ASSOCIATION OF UNIVERSITY WOMEN, Washington, D. C.; *Exploratory Statistical Survey in the Teaching Field*; 3 months; \$2,500.
- AMERICAN CHEMICAL SOCIETY, Washington, D. C.; *Register of Scientific and Technical Personnel in the Field of Chemistry*; 1 year; \$60,000.
- AMERICAN INSTITUTE OF PHYSICS, New York, N. Y.; *National Register of Scientific and Technical Personnel in the Fields of Physics and Astronomy*; 9 months; \$10,875.
- AMERICAN MATHEMATICAL SOCIETY, Providence, R. I.; *Register of Scientific and Technical Personnel in the Field of the Mathematical Sciences*; 1 year; \$19,000.
- AMERICAN MATHEMATICAL SOCIETY, Providence, R. I.; *Register of Scientific and Technical Personnel in the Field of the Mathematical Sciences*; 6 months; \$6,125.
- THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION, Urbana, Ill.; *A Study of the Development of Engineering Faculties*; 3 months; \$22,517.
- THE UNIVERSITY OF CHICAGO, Chicago, Ill.; *The Assessment of Scientific Talent*; 1 year; \$20,125.
- ENGINEERS JOINT COUNCIL, New York, N. Y.; *Pilot Study of Demand for Engineers in Selected Industries*; 5 months; \$4,500.
- ENGINEERS JOINT COUNCIL, New York, N. Y.; *Register of Scientific and Technical Personnel in the Field of Engineering*; 1 year; \$18,350.
- FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, Washington, D. C.; *National Register of Scientific and Technical Personnel in the Field of Biology*; 1 year; \$30,850.

**PUBLIC MANAGEMENT RESEARCH INSTITUTE, San Francisco, Calif.; *Study of the Availability of Retired Military Personnel for High School Science and Mathematics Teaching Assignments*; 5 months; \$7,834.**

*Attendance at International Meetings*

**Colloquium on Theory of Functions, Helsinki, Finland:**

**P. C. ROSENBLOOM, Harvard University, Cambridge, Mass.**

**H. L. ROYDEN, Stanford University, Stanford, Calif.**

**Conference on the Educational, Psychological, and Philosophical Problems of the Science Curriculum, Hamburg, Germany:**

**D. WOLFLE, American Association for the Advancement of Science, Washington, D. C.**

**Conference on Coordination of Galactic Research, Stockholm, Sweden:**

**D. S. HEESCHEN, Harvard College Observatory, Cambridge, Mass.**

**A. N. VYSSOTSKY, University of Virginia, Charlottesville, Va.**

**M. F. WALKER, Warner and Swasey Observatory, East Cleveland, Ohio.**

**H. F. WEAVER, Harvard College Observatory, Cambridge, Mass.**

**Conference on Thermodynamics and Transport Properties of Fluids, London, England:**

**E. W. COMINGS, Purdue University, Lafayette, Ind.**

**J. E. POWERS, University of Oklahoma, Norman, Okla.**

**Congress of the International Union for the Scientific Study of Population, Stockholm, Sweden:**

**D. J. BOGUE, Population Research and Training Center, Chicago, Ill.**

**A. J. COALE, Office of Population Research, Princeton, N. J.**

**P. M. HAUSER, University of Chicago, Chicago, Ill.**

**F. LORIMER, American University, Washington, D. C.**

**F. W. NOTESTEIN, Office of Population Research, Princeton, N. J.**

**C. F. SCHMID, University of Washington, Seattle, Wash.**

**P. K. WHELPTON, Miami University, Oxford, Ohio.**

**Eighth International Congress for the History of Science, Florence and Milan, Italy:**

**C. C. GILLISPIE, Princeton University, Princeton, N. J.**

**C. D. HELLMAN, New York, N. Y.**

**T. P. HUGHES, Richmond, Va.**

**G. MILLER, Cleveland Heights, Ohio.**

**C. D. O'MALLEY, Stanford University, Stanford, Calif.**

**D. H. D. ROLLER, University of Oklahoma, Norman, Okla.**

**E. ROSEN, New York, N. Y.**

**G. D. DE SANTILLANA, Massachusetts Institute of Technology, Cambridge, Mass.**

**R. H. SHRYOCK, Johns Hopkins Medical School, Baltimore, Md.**

**W. D. STAHLMAN, Melrose, Mass.**

**G. K. TALLMADGE, Marquette University, Milwaukee, Wis.**

**I. VEITH, University of Chicago, Chicago, Ill.**

**L. P. WILLIAMS, Madison, Conn.**

**H. WOLF, University of Washington, Seattle, Wash.**

**Enzyme Commission of the International Union of Biochemistry, Paris, France:**

S. P. COLOWICK, Johns Hopkins University, Baltimore, Md.

A. L. LEHNINGER, Johns Hopkins School of Medicine, Baltimore, Md.

**European Pollen Conference, Geneva, Switzerland, and the Annual Meeting of the British Association of Science, Dublin, Ireland:**

P. B. SEARS, Yale University, New Haven, Conn.

**Executive Committee of the International Astronomical Union, Liege, Belgium:**

O. STRUVE, University of California, Berkeley, Calif.

**Faraday Society Discussion on Nucleic Acid, London, England:**

E. CHARGAFF, Columbia University, New York, N. Y.

P. DOTY, Harvard University, Cambridge, Mass.

R. M. HERRIOTT, Johns Hopkins University, Baltimore, Md.

**Fifteenth International Congress of Psychology, Brussels, Belgium:**

M. H. APPLEZWEIG, Connecticut College, New London, Conn.

C. H. COOMBS, University of Michigan, Ann Arbor, Mich.

R. S. CRUTCHFIELD, University of California, Berkeley, Calif.

L. FESTINGER, Stanford University, Stanford, Calif.

W. R. GARNER, Johns Hopkins University, Baltimore, Md.

E. P. HOLLANDER, Carnegie Institute of Technology, Pittsburgh, Pa.

H. F. HUNT, University of Chicago, Chicago, Ill.

J. J. JENKINS, University of Minnesota, Minneapolis, Minn.

T. S. KENDLER, Barnard College, New York, N. Y.

R. B. MACLEOD, University of Pennsylvania, Philadelphia, Pa.

D. R. MEYER, Ohio State University, Columbus, Ohio.

R. M. REITAN, Indiana University Medical Center, Indianapolis, Ind.

J. P. SCOTT, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine.

S. S. STEVENS, Harvard University, Cambridge, Mass.

S. WAPNER, Clark University, Worcester, Mass.

**Fifteenth International Congress of Pure and Applied Chemistry, Lisbon, Portugal:**

P. DELAHAY, Louisiana State University, Baton Rouge, La.

W. MEINKE, University of Michigan, Ann Arbor, Mich.

**First International Congress of Neurological Sciences, Brussels, Belgium:**

J. N. ALLEN, University of North Carolina, Chapel Hill, N. C.

J. H. AUSTIN, University of Oregon, Portland, Oreg.

J. S. BARLOW, Massachusetts General Hospital, Boston, Mass.

R. W. DOTY, University of Michigan, Ann Arbor, Mich.

E. L. GASTEIGER, Jr., Harvard Medical School, Boston, Mass.

E. HENNEMAN, Harvard Medical School, Boston, Mass.

A. HEYMAN, Duke University, Durham, N. C.

E. A. KABAT, Columbia University, New York, N. Y.

H. KLUVER, University of Chicago, Chicago, Ill.

H. G. J. M. KUYPERS, Bressler Research Laboratory, Baltimore, Md.

J. C. LILLY, National Institute of Mental Health, Bethesda, Md.

D. P. C. LLOYD, The Rockefeller Institute, New York, N. Y.

F. A. METTLER, Columbia University, New York, N. Y.

H. PORTER, Massachusetts General Hospital, Boston, Mass.

R. W. PORTER, Walter Reed Army Medical Center, Washington, D. C.

W. RIESE, Medical College of Virginia, Richmond, Va.

P. SCHEINBERG, University of Miami, Coral Gables, Fla.

J. SUTIN, Yale University School of Medicine, New Haven, Conn.

B. H. WAKSMAN, Massachusetts General Hospital, Boston, Mass.

First Regional Conference on Electron-Microscopy in Asia and Oceania, Tokyo, Japan:

H. S. BENNETT, University of Washington, Seattle, Wash.

Fourteenth Congress of Internal Medicine, Moscow, Russia:

G. E. BURCH, Tulane University, New Orleans, La.

Fourth International Congress of Nutrition, Paris, France:

S. N. GERSHOFF, Harvard School of Public Health, Boston, Mass.

C. H. HILL, North Carolina State College, Raleigh, N. C.

J. M. IACONO, Fitzsimons Army Hospital, Denver, Colo.

I. E. LIENER, University of Minnesota, Institute of Agriculture, St. Paul, Minn.

T. D. LUCKEY, University of Missouri, Columbia, Mo.

J. A. URAM, U. S. Department of Health, Education, and Welfare, Washington, D. C.

Fourth International Gerontological Congress, Merano, Italy:

W. BONDAREFF, National Institute of Mental Health, Bethesda, Md.

J. BOTWINICK, National Institute of Mental Health, Bethesda, Md.

H. BRODY, University of Buffalo, Buffalo, N. Y.

J. GARBUS, National Institute of Mental Health, Bethesda, Md.

A. H. NORRIS, Baltimore City Hospitals, Baltimore, Md.

M. ROCKSTEIN, New York University, New York, N. Y.

Fourth International Instruments and Measurements Conference, Stockholm, Sweden:

C. DE M. BARNES, Falls Church, Va.

R. L. BUTENHOFF, Kensington, Md.

W. S. RODNEY, Scranton, Pa.

Geochemical Symposium of the XVIth International Congress for Pure and Applied Chemistry, Paris, France:

J. A. S. ADAMS, Rice Institute, Houston, Texas.

A. W. ADAMSON, University of Southern California, Los Angeles, Calif.

S. H. BAUER, Cornell University, Ithaca, N. Y.

E. I. BECKER, Polytechnic Institute of Brooklyn, Brooklyn, N. Y.

G. BUCHI, Massachusetts Institute of Technology, Cambridge, Mass.

M. BURTON, University of Notre Dame, Notre Dame, Ind.

R. B. CARLIN, Carnegie Institute of Technology, Pittsburgh, Pa.

S. G. COHEN, Brandeis University, Waltham, Mass.

W. H. HARTUNG, Medical College of Virginia, Richmond, Va.

F. G. HELFFERICH, California Institute of Technology, Pasadena, Calif.

J. HINE, Georgia Institute of Technology, Atlanta, Ga.

H. O. HOUSE, Massachusetts Institute of Technology, Cambridge, Mass.

M. G. INGRAM, University of Chicago, Chicago, Ill.

W. D. KINGERY, Massachusetts Institute of Technology, Cambridge, Mass.

E. M. KOSOWER, University of Wisconsin, Madison, Wis.

R. C. LORD, Massachusetts Institute of Technology, Cambridge, Mass.

R. E. LUTZ, University of Virginia, Charlottesville, Va.

A. E. MARTELL, Clark University, Worcester, Mass.

C. L. McCABE, Carnegie Institute of Technology, Pittsburgh, Pa.

P. A. MCCUSKER, University of Notre Dame, Notre Dame, Ind.

A. MUAN, Pennsylvania State University, University Park, Pa.

H. NEURATH, University of Washington, Seattle, Wash.

J. R. NIELSEN, University of Oklahoma, Norman, Okla.

F. RAMIREX, Columbia University, New York, N. Y.

**K. L. RINEHART, Jr.,** University of Illinois, Urbana, Ill.  
**V. J. SHINER, Jr.,** Indiana University, Bloomington, Ind.  
**A. SILVERMAN,** University of Pittsburgh, Pittsburgh, Pa.  
**P. S. SKELL,** Pennsylvania State University, University Park, Pa.  
**W. T. SMITH, Jr.,** University of Kentucky, Lexington, Ky.  
**M. SZWARC,** State University of New York, Syracuse, N. Y.  
**E. WENKERT,** Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa.  
**J. E. WILLARD,** University of Wisconsin, Madison, Wis.  
**W. G. YOUNG,** University of California, Los Angeles, Calif.

**Initiation and Growth of Explosion in Solids, London, England:**

**R. B. PARLIN,** University of Utah, Salt Lake City, Utah.

**International Conference on Gas Discharge Phenomena, Venice, Italy:**

**L. H. FISHER,** New York University, New York, N. Y.

**R. N. VARNEY,** Washington University, St. Louis, Mo.

**International Conference on Surface Activity, London, England:**

**J. J. BIKERMAN,** Massachusetts Institute of Technology, Cambridge, Mass.

**J. G. CHESICK,** Lehigh University, Bethlehem, Pa.

**V. K. LAMER,** Columbia University, New York, N. Y.

**S. ROSS,** Rensselaer Polytechnic Institute, Troy, N. Y.

**International Group Colloquium, Tübingen, Germany:**

**R. C. LYNDON,** University of California, Berkeley, Calif.

**International Study Conference on Classification for Information Retrieval, Dorking, Surrey, England:**

**J. H. SHERA,** Western Reserve University, Cleveland, Ohio.

**International Union of Pure and Applied Physics Biennial Conference on Cosmic Rays, Varenna, Italy:**

**G. BURBIDGE,** California Institute of Technology, Pasadena, Calif.

**G. COCCONI,** Cornell University, Ithaca, N. Y.

**L. DAVIS, Jr.,** California Institute of Technology, Pasadena, Calif.

**T. GOLD,** Harvard University, Cambridge, Mass.

**K. GREISEN,** Cornell University, Ithaca, N. Y.

**M. SCHEIN,** University of Chicago, Chicago, Ill.

**Isotopes and Radiation in Research for Medicine and Industry, Moscow, Russia:**

**H. J. GOMBERG,** University of Michigan, Ann Arbor, Mich.

**Meeting of the Executive Committee of the I. U. B. S., Gif-sur-Yvette, France:**

**R. E. CLELAND,** Indiana University, Bloomington, Ind.

**Meeting of the International Committee of Electrochemical Thermodynamics and Kinetics (C. I. T. C. E.), Madrid, Spain:**

**J. O'M. BOCKRIS,** University of Pennsylvania, Philadelphia, Pa.

**Meeting "Societe Francaise de Metallurgie," Paris, France:**

**R. T. MEHL,** Carnegie Institute of Technology, Pittsburgh, Pa.

**Ninth International Congress on Applied Mechanics, Brussels, Belgium:**

**F. R. ARNOLD,** Stanford University, Stanford, Calif.

**M. A. BIOT,** New York, N. Y.

**A. P. BORESI,** University of Illinois, Urbana, Ill.

**S. F. BORG,** Stevens Institute of Technology, Hoboken, N. J.

M. R. CARSTENS, Georgia Institute of Technology, Atlanta, Ga.  
 CHIA-SHUN YIH, State University of Iowa, Iowa City, Iowa.  
 N. V. FEODOROFF, Manhattan College, New York, N. Y.  
 F. N. FRENKIEL, Johns Hopkins University, Silver Spring, Md.  
 A. T. IPPEN, Massachusetts Institute of Technology, Cambridge, Mass.  
 S. JUHASZ, Southwest Research Institute, San Antonio, Tex.  
 T. R. KANE, Havertown, Pa.  
 G. MESMER, Washington, University, St. Louis, Mo.  
 R. D. MINDLIN, Katonah, N. Y.  
 G. MURPHY, Iowa State College, Ames, Iowa.  
 R. M. ROSENBERG, University of Toledo, Toledo, Ohio.  
 J. A. SAUER, Pennsylvania State University, University Park, Pa.  
 M. D. VAN DYKE, Los Altos, Calif.

Ninth International Congress of Cell Biology, St. Andrews, Scotland.

R. D. ALLEN, Princeton University, Princeton, N. J.  
 J. G. GALL, University of Minnesota, Minneapolis, Minn.  
 J. W. HASTINGS, Northwestern University, Evanston, Ill.  
 H. HOLTZER, University of Pennsylvania, Philadelphia, Pa.  
 G. G. LATIES, California Institute of Technology, Pasadena, Calif.  
 M. A. LESSLER, Ohio State University, Columbus, Ohio.  
 D. MAZIA, University of California, Berkeley, Calif.  
 V. MENKIN, Temple University, Philadelphia, Pa.  
 W. PLAUT, University of Wisconsin, Madison, Wis.  
 L. I. REBHUN, University of Illinois, Chicago, Ill.  
 H. RIS, University of Wisconsin, Madison, Wis.  
 B. L. VALLEE, Harvard Medical School and Peter Bent Brigham Hospital, Boston, Mass.  
 C. E. WILDE, JR., University of Pennsylvania, Philadelphia, Pa.  
 P. R. WHITE, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine.

Ninth General Assembly of the 18th Congress of the International Geographical Union, Rio de Janeiro, Brazil:

C. B. HITCHCOCK, American Geographical Society, New York, N. Y.

Organizational Meeting of the Section on Experimental Psychology, Strasbourg, France:

C. H. GRAHAM, Columbia University, New York, N. Y.  
 H. S. LANGFELD, Princeton, N. J.

Parasites and Their Vertebrate Hosts (Host Specificity and Parallel Evolution Among Parasites), Neuchatel, Switzerland:

N. KENT, Johns Hopkins University, Baltimore, Md.  
 H. W. MANTER, University of Nebraska, Lincoln, Nebr.  
 E. MAYR, Harvard University, Cambridge, Mass.  
 B. PATTERSON, Harvard University, Cambridge, Mass.

Provisional Committee for International Control Federation, Düsseldorf, Germany:

R. OLDENBURGER, Purdue University, Lafayette, Ind.

Scientific Symposium, London—Tercentenary Commemoration of the Harveian Society, London and Folkstone, England:

L. N. KATZ, Michael Reese Hospital, Chicago, Ill.

Second All-Union Conference on Antibiotics, Moscow, Russia:

S. A. WAKSMAN, Rutgers University, New Brunswick, N. J.

**Second International Congress of Photobiology, Turin, Italy:**

- R. L. AMY, Susquehanna University, Selinsgrove, Pa.  
 E. C. CANTINO, Michigan State University, East Lansing, Mich.  
 J. JAGGER, Oak Ridge National Laboratory, Oak Ridge, Tenn.  
 W. D. McELROY, Johns Hopkins University, Baltimore, Md.  
 A. D. McLAREN, University of California, Berkeley, Calif.  
 B. A. RUBIN, Baylor University, Houston, Tex.  
 J. H. C. SMITH, Carnegie Institution of Washington, Stanford, Calif.  
 K. V. THIMANN, Harvard University, Cambridge, Mass.  
 G. WALD, Harvard University, Cambridge, Mass.  
 S. G. WILDMAN, University of California, Los Angeles, Calif.

**Series of Seminars and Lectures for Soviet Physicists, Moscow, Russia:**

- F. E. Low, Massachusetts Institute of Technology, Cambridge, Mass.

**Seventh Congress of the International Association for Hydraulic Research, Lisbon, Portugal:**

- S. F. BORG, Stevens Institute of Technology, Hoboken, N. J.

**Sixth Congress of the International Society for the Study of Biological Rhythms, Semmering, Austria:**

- F. HALBERG, University of Minnesota, Minneapolis, Minn.  
 E. C. KRIS, Massachusetts Institute of Technology, Cambridge, Mass.  
 L. STARK, Yale University, New Haven, Conn.  
 G. C. STEPHENS, University of Minnesota, Minneapolis, Minn.

**Study of Bioclimatology, Paris, France:**

- F. SARGENT, II, University of Illinois, Urbana, Ill.

**Subcommittee of CSAGI on Simultaneous Measurements of Gravity Acceleration, Paris, France:**

- W. D. LAMBERT, Canaan, Conn.

**Symposium on Non-Stable Stars, Burakan and Abestumani, Russia:**

- J. L. GREENSTEIN, California Institute of Technology, Pasadena, Calif.

**Third International Congress of the International Union for the Study of Social Insects, Paris, France:**

- R. E. GREGG, University of Colorado, Boulder, Colo.  
 W. E. LABERGE, Iowa State College, Ames, Iowa.

**Thirtieth Session of the International Statistical Institute, Stockholm, Sweden:**

- J. BERKSON, Mayo Clinic, Rochester, Minn.  
 A. H. BOWKER, Stanford University, Stanford, Calif.  
 F. A. HANNA, Duke University, Durham, N. C.

**Travel to Italian Universities:**

- B. ROSSI, Massachusetts Institute of Technology, Cambridge, Mass.

**Twentieth International Geological Congress, Haarlem, Holland:**

- E. INGERSON, Chevy Chase, Md.

**Vingt-Neuvieme Congress de Chemie Industrielle, Paris, France:**

- J. M. D. VALLE, Georgia Institute of Technology, Atlanta, Ga.

*Scientific Information Exchange*

THE AMERICAN ASSOCIATION OF MUSEUMS, Washington, D. C.; *Museum Standards*;  
 3 days; \$250.

- AMERICAN BRYOLOGICAL SOCIETY, Tallahassee, Fla.; *Index to Volumes 1-60 of The Bryologist*; 2 years; \$5,850.
- AMERICAN COUNCIL OF LEARNED SOCIETIES, Washington, D. C.; *Summer Seminar in Mechanical Translation*; 1 year; \$6,000.
- AMERICAN DOCUMENTATION INSTITUTE, Washington, D. C.; *Payment of Annual Dues for 1956 to the International Federation of Documentation*; 1 year; \$650.
- AMERICAN GEOPHYSICAL UNION, Washington, D. C.; *An English-Language Abstract Journal in the Field of Geophysics*; 1 year; \$18,500.
- AMERICAN GEOPHYSICAL UNION, Washington, D. C.; *An English Edition of the Russian Journal, Izvestiia Akademii Nauk USSR. Serii Geofizicheskaja (Bulletin of the Academy of Sciences of the USSR. Geophysics Series) and a Study of the Trudy Geofizicheskogo Instituta Akademii Nauk (Proceedings of the Geophysics Institute of the Academy of Science)*; 1 year; \$22,400.
- AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D. C.; *English Editions of Three Russian Journals: Microbiology, Plant Physiology and Doklady (Biological Sciences and Botanical Science Sections)*; 1 year; \$57,860.
- AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D. C.; *Translation and Publication of Two Russian Language Reference Works in the Field of Plant Morphology and Evolution by A. L. Takhtadjian*; 1 year; \$7,000.
- AMERICAN INSTITUTE OF PHYSICS, New York, N. Y.; *Economic Study of Back-Number Sales, Overprinting of Journal Issues*; 1 year; \$10,000.
- AMERICAN INSTITUTE OF PHYSICS, New York, N. Y.; *English Edition of the Russian Journal, Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki*; 1 year; \$28,500.
- AMERICAN INSTITUTE OF PHYSICS, New York, N. Y.; *Preparation of a Manual for the Authors of Papers for Publication in the Physics Journals*; 2 years; \$8,200.
- AMERICAN MATHEMATICAL SOCIETY, Providence, R. I.; *Preparing and Distributing Selected Translations of Russian Mathematics*; 1 year; \$17,685.
- AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; *Comparative Study of the Unit Costs of Preparing Bibliographies and Abstracts*; 8 months; \$1,320.
- AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D. C.; *Reducing the Publication Lags in Two of the American Psychological Association's Journals*; 18 months; \$28,400.
- THE AMERICAN PHYSIOLOGICAL SOCIETY, Washington, D. C.; *Physiological Triggers and Discontinuous Rate Processes*; 3 years; \$3,000.
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS, New York, N. Y.; *Applied Mechanics Reviews*; 1 year; \$5,000.
- ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX, London, England; *The Efficiency of Information Retrieval Systems*; 2 years; \$28,300.
- ASTRONOMICAL LEAGUE, Washington, D. C.; *Proceedings of the 1956 General Convention of the Astronomical League*; 6 months; \$1,000.
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *Stellar Spectra*; 2 years; \$14,500.
- CAMBRIDGE LANGUAGE RESEARCH UNIT, Cambridge, England; *New Logico-Mathematical Methods for the Analysis of Languages for Machine Translation*; 1 year; \$27,100.
- CARNEGIE INSTITUTION OF WASHINGTON, Washington, D. C.; *International Consultation on Related Problems of Optical and Radio Astronomy*; 18 months; \$9,000.
- CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; *Operations Research in the Area of Scientific Communication*; 1 year; \$59,000.
- UNIVERSITY OF CHICAGO, Chicago, Ill.; *Stars and Stellar Systems*; 1 year; \$8,800.
- COLUMBIA UNIVERSITY, New York, N. Y.; *Pilot Study into the Needs and Means of Information Exchange in Selected Branches of Physical and Biological Science*; 1 year; \$15,800.

- CORNELL, UNIVERSITY, Ithaca, N. Y.; *Research Training in Electron Microscopy*; 4 years; \$50,800.
- GEORGETOWN UNIVERSITY, Washington, D. C.; *Mechanical Translation*; 1 year; \$125,000.
- THE GEORGE VANDERBILT FOUNDATION, Stanford, Calif.; *Thalman's Index of Genera and Species of Foraminifera 1890-1950*; 3 years; \$10,000.
- HARVARD UNIVERSITY, Cambridge, Mass.; *Check-List of Birds of the World*; 5 years; \$17,000.
- HARVARD UNIVERSITY, Cambridge, Mass.; *English Translation of Botanical Observations in the Spanish Manuscript, Travels in Peru and Chile*; 1 year; \$575.
- UNIVERSITY OF HAWAII, Honolulu, Hawaii; *Insects of Hawaii*; 4 years; \$20,000.
- HEBREW UNIVERSITY, Jerusalem, Israel; *Critical Investigation of Proposed Theories of Information Search Systems and a Study of the Possibilities of Complete-Phrase Indexing*; 1 year; \$1,500.
- HERNER, MEYER & Co., Washington, D. C.; *Development and Analysis of a Scientific Literature Classification System*; 1 year; \$11,700.
- HERNER, MEYER & Co., Washington, D. C.; *Subject Slanting in Scientific Indexing and Abstracting Services*; 5 months; \$5,100.
- HISTORY OF SCIENCE SOCIETY, Norwalk, Conn.; *Emergency Support of Annual Critical Bibliography*; 3 years; \$6,000.
- HUMAN RELATIONS AREA FILES, New Haven, Conn.; *Processing of Source Materials on Selected Areas and Peoples*; 1 year; \$17,000.
- INDIANA UNIVERSITY, Bloomington, Ind.; *Bibliography of the Genetics of Drosophila*; 1 year; \$2,100.
- INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, London, England, *International Abstracting Board*; 1 year; \$5,000.
- INTERNATIONAL UNION OF PHYSIOLOGICAL SCIENCES, Minneapolis, Minn.; *Traveling Conference-Lecture Teams in Physiology*; 2 years; \$10,000.
- LIBRARY OF CONGRESS, Washington, D. C.; *A Subject Index to the Astia Title Announcement Bulletin*; 6 months; \$15,000.
- LIBRARY OF CONGRESS, Washington, D. C.; *Compilation of an Accessions List of Scientific and Technical Serials of the Library of Congress*; 1 year; \$12,000.
- LIBRARY OF CONGRESS, Washington, D. C.; *Reference Center for Reports on Government-Supported Scientific Research*; 1 year; \$19,000.
- LIBRARY OF CONGRESS, Washington, D. C.; *Study of the Availability and Utilization of Japanese Scientific Literature in the United States*; 1 year; \$8,000.
- LONG ISLAND BIOLOGICAL LABORATORY, Cold Spring Harbor, N. Y.; *The Mutants of Drosophila Melanogaster*; 18 months; \$12,500.
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; *Methods of Translating Languages by Machine*; 1 year; \$35,200.
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; *Support of an International Conference on Mechanical Translation*; 5 days; \$5,800.
- UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; *Emergency Support of the Michigan Mathematical Journal*; 3 years; \$3,500.
- THE MIDWEST INTER-LIBRARY CENTER, Chicago, Ill.; *A Preliminary Study Toward Establishment of a Biological Journal Center*; 6 weeks; \$4,140.
- THE MIDWEST INTER-LIBRARY CENTER, Chicago, Ill.; *Chemical Journal Center*; 1 year; \$11,700.
- MISSOURI BOTANICAL GARDEN, St. Louis, Mo.; *Translation of "Flora of Japan" into English*; 1 year; \$2,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Advisory Committees on United States Participation in International Scientific Organizations*; 1 year; \$22,770.

- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *Publication of Proceedings of the VIIIth General Assembly and the XVIIth Congress of the International Geographical Union*; 1 year; \$12,000.
- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *The Biology Code and Key and an Analytical History of the Chemical-Biological Coordination Center*; 10 months; \$18,600.
- UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; *Feasibility Study of the Application of Linguistic Transformations to Information Retrieval*; 3 months; \$1,950.
- UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; *Investigation of Linguistic Transformation for Information Retrieval*; 1 year; \$24,300.
- UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; *Translation and Publication of Abstracts from the Russian Journal, Referativnyi Zhurnal: Biologiya*; 1 year; \$7,680.
- PRINCETON UNIVERSITY PRESS, Princeton, N. J.; *Some Problems of Chemical Kinetics and Reactivity*; 1 year; \$1,500.
- SMITHSONIAN INSTITUTION, Washington, D. C.; *Biological Sciences Information Exchange*; 1 year; \$25,000.
- SOCIETY OF SPONSORING THE INTERNATIONAL GENETICS SYMPOSIA, Ueno Park, Tokyo; *Publication of Proceedings of the International Genetics Symposia*; 1 year; \$4,500.
- SOCIETY OF SYSTEMATIC ZOOLOGY, Victor, N. Y.; *Directory of Specialists in Taxonomy of Animals*; 2 years; \$8,400.
- SPECIAL LIBRARIES ASSOCIATION, Manville, N. J.; *Scientific Translations Center*; 1 year; \$20,350.
- UNIVERSITY OF UTAH, Salt Lake City, Utah; *Translations in Aztec Anthropology*; 3 years; \$12,600.
- UNIVERSITY OF VERMONT, Burlington, Vt.; *Biochemistry Exchange Professorship*; 1 year; \$1,600.
- WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; *Feasibility Study on Centralized Information Services*; 4 months; \$3,500.
- THYLLIS M. WILLIAMS, Washington, D. C.; *Methods for Representing Scientific Subject Matter in Information Searching Systems*; 1 year; \$6,900.
- UNIVERSITY OF WISCONSIN, Madison, Wis.; *Lectures on the History of Mechanics*; 1 year; \$500.

### *The President's Committee on Scientists and Engineers*

- NATIONAL ACADEMY OF SCIENCES, Washington, D. C.; *The President's Committee on Scientists and Engineers*; 9 months; \$85,000.