

APPENDIX D

Other Than Basic Research Grants

EDUCATION IN THE SCIENCES

ACADEMIC YEAR INSTITUTES FOR COLLEGE TEACHERS

CORNELL UNIVERSITY, Ithaca, N.Y.; C. L. Comar; 11 months; \$51,721

UNIVERSITY OF MINNESOTA, Minneapolis; Will M. Myers, St. Paul; 10 months; \$54,300

ACADEMIC YEAR INSTITUTES FOR SECONDARY SCHOOL AND JUNIOR COLLEGE TEACHERS

CORNELL UNIVERSITY, Ithaca, N.Y.; Damon Boynton; 11 months; \$278,287

UNIVERSITY OF OKLAHOMA, Norman; Gene Levy; 11 months; \$139,400

ACADEMIC YEAR INSTITUTES FOR SECONDARY SCHOOL AND COLLEGE TEACHERS

HARVARD UNIVERSITY, Cambridge, Mass.; David V. Widder; 13 months; \$329,786

LOUISIANA STATE UNIVERSITY, Baton Rouge; Houston T. Karnes; 11 months; \$274,743

OHIO STATE UNIVERSITY, Columbus; John S. Richardson; 12 months; \$304,230

OKLAHOMA STATE UNIVERSITY, Stillwater; James H. Zant; 11 months; \$228,000

OREGON STATE UNIVERSITY, Corvallis; Stanley E. Williamson; 11 months; \$293,723

SYRACUSE UNIVERSITY, Syracuse, N.Y.; Alfred T. Collette; 11 months; \$275,385

UNIVERSITY OF COLORADO, Boulder; John R. Clopton; 12 months; \$314,765

UNIVERSITY OF ILLINOIS, Urbana; Joseph Landin; 12 months; \$313,200

UNIVERSITY OF MICHIGAN, Ann Arbor; A. M. Elliott; 11 months; \$278,700

UNIVERSITY OF OREGON, Eugene; Sanford S. Tepper; 11 months; \$128,800

UNIVERSITY OF TEXAS, Austin; Robbin C. Anderson; 11 months; \$264,000

WASHINGTON UNIVERSITY, St. Louis, Mo.; Thomas S. Hall; 13 months; \$278,100

ACADEMIC YEAR INSTITUTES FOR SECONDARY SCHOOL TEACHERS

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; James G. Potter; 12 months; \$197,100

AGRICULTURAL AND TECHNOLOGICAL COLLEGE OF NORTH CAROLINA, Greensboro; Gerald A. Edwards; 9 months; \$117,700

ARIZONA STATE UNIVERSITY, Tempe; Alan T. Wager; 11 months; \$264,700

ATLANTA UNIVERSITY, Atlanta, Ga.; K. A. Huggins; 11 months; \$263,300

BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska; 11 months; \$221,950

BOWDOIN COLLEGE, Brunswick, Maine; Reinhard L. Korgen; 11 months; \$70,000

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; Bruce R. Vogell; 10 months; \$190,500

BROWN UNIVERSITY, Providence, R.I.; Elmer R. Smith; 11 months; \$264,600

FISK UNIVERSITY, Nashville, Tenn.; Myron B. Towns; 9 months; \$108,600

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; L. R. Wilcox; 11 months; \$108,531

KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 12 months; \$215,404

MICHIGAN STATE UNIVERSITY, East Lansing; John Wagner; 12 months; \$288,527

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; E. Gerald Meyer; 12 months; \$285,400

PENNSYLVANIA STATE UNIVERSITY, University Park; Thomas C. Benton; 9 months; \$173,700

William H. Powers; 10 months; \$630

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Kenneth G. Wolfson; 11 months; \$198,580

SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; Gerald A. Becker; 11 months; \$171,429

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; Leonard Feldman; 10 months; \$147,300

STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; \$3,830

STATE COLLEGE OF IOWA, Cedar Falls; Robert A. Rogers; 11 months; \$244,198

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Charles M. Vaughn; 13 months; \$299,313

TEMPLE UNIVERSITY, Philadelphia, Pa.; Richard M. Stavseth; 12 months; \$166,700

TEXAS WOMAN'S UNIVERSITY, Denton; Dixie Young; 11 months; \$58,600

TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; Lawrence F. Koons; 9 months; \$100,100

UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 12 months; \$98,100

UNIVERSITY OF DETROIT, Mich.; Lyle E. Mehlenbacher; 11 months; \$147,596

UNIVERSITY OF FLORIDA, Gainesville; C. Rap-penecker; 9 months; \$146,600

UNIVERSITY OF GEORGIA, Athens; Jonathan J. Westfall; 11 months; \$268,400

UNIVERSITY OF HAWAII, Honolulu; Michael M. Frodyma; 11 months; \$123,900

UNIVERSITY OF MISSISSIPPI, University; William H. Norman; 10 months; \$183,400

UNIVERSITY OF NEW MEXICO, Albuquerque; Wilson Ivina; 11 months; \$256,100

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; E. C. Markham; 11 months; \$290,944

UNIVERSITY OF NORTH DAKOTA, Grand Forks; J. Donald Henderson; 11 months; \$256,695

UNIVERSITY OF NOTRE DAME, Ind.; Arnold E. Ross; 11 months; \$255,700

UNIVERSITY OF PENNSYLVANIA, Philadelphia; J. F. Hazel; 11 months; \$272,545

UNIVERSITY OF PUERTO RICO, Rio Piedras; Mariano Garcia; 9 months; \$146,337

UNIVERSITY OF SOUTH CAROLINA, Columbia; W. L. Williams; 11 months; \$184,800

UNIVERSITY OF TENNESSEE, Knoxville; J. A. Cooley; 11 months; \$143,400

UNIVERSITY OF TEXAS, Austin; Robbin C. Anderson; \$4,260

UNIVERSITY OF UTAH, Salt Lake City; Thomas J. Parmley; 11 months; \$265,675

UNIVERSITY OF VIRGINIA, Charlottesville; James W. Cole, Jr.; 11 months; \$4,320
James W. Cole, Jr.; 1 year; \$267,317

UNIVERSITY OF WASHINGTON, Seattle; Roy Dubusch; 11 months. \$67,231

UNIVERSITY OF WISCONSIN, Madison; Henry Van Engen; 11 months; \$108,205

WESLEYAN UNIVERSITY, Middletown, Conn.; James E. Cronin; 11 months; \$82,300

WEST VIRGINIA UNIVERSITY, Morgantown; James B. Hickman; 10 months; \$174,900

ADVANCED SCIENCE SEMINARS

AMERICAN ASSOCIATION OF MUSEUMS, Washington, D.C.; E. W. Haury, Arizona State Museum, University of Arizona, Tucson; 9 months; \$46,095
I. M. Levitt, Fels Planetarium, The Franklin Institute, Philadelphia, Pa.; 10 months; \$39,330

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; 10 months; \$30,655

BERMUDA BIOLOGICAL STATION, St. George's West; Keith E. Chave, Lehigh University, Bethlehem, Pa.; 1 year; \$20,270
Gordon A. Riley, Yale University, New Haven, Conn.; 10 months; \$14,600

BRANDEIS UNIVERSITY, Waltham, Mass.; David F. Aberle; 1 year; \$13,090
Kenneth W. Ford; 1 year; \$42,420
Harold I. Levine; 1 year; \$38,350

CONNECTICUT AGRICULTURAL EXPERIMENT STATION, New Haven; Israel Zeltich; 8 months; \$9,060

DARTMOUTH COLLEGE, Hanover, N.H.; Walter H. Stockmayer; 10 months; \$5,600

FLORIDA INSTITUTE FOR CONTINUING UNIVERSITY STUDIES, Tallahassee; William A. Nash, University of Florida, Gainesville; 9 months; \$25,790

HARVARD UNIVERSITY, Cambridge, Mass.; William Liller; 10 months; \$15,240
Evon Z. Vogt; 1 year; \$18,075

LEHIGH UNIVERSITY, Bethlehem, Pa.; Keith E. Chave; 10 months; \$10,480

MICHIGAN STATE UNIVERSITY, East Lansing; Maynard M. Miller; 11 months; \$17,835

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Paul H. Reitan, Stanford University, Stanford, Calif.; 15 months; \$55,980

NORTHWESTERN UNIVERSITY, Evanston, Ill.; Richard R. Goldberg; 1 year; \$39,440

OHIO STATE UNIVERSITY, Columbus; John D. Lee; 9 months; \$29,620

OHIO STATE UNIVERSITY RESEARCH FOUNDATION, Columbus; H. H. Nielsen; 9 months; \$2,875

PENNSYLVANIA STATE UNIVERSITY, University Park; Donald G. Johnson; 1 year; \$39,765

RAND CORPORATION, Santa Monica, Calif.; David G. Hays; 1 year; \$56,250

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Hardy L. Shirley, Syracuse; 1 year; \$24,425

SOCIAL SCIENCE RESEARCH COUNCIL, New York, N.Y.; Francis H. Palmer; 10 months; \$76,320

SOUTHERN FOREST TREE IMPROVEMENT COMMITTEE, Savannah, Ga.; John W. Johnson; 5 months; \$2,600

UNIVERSITY OF CALIFORNIA, Berkeley; Robert L. Usinger; 2 years; \$121,650

UNIVERSITY OF COLORADO; Boulder; Wesley E. Brittin; 11 months; \$81,375

UNIVERSITY OF DELAWARE, Newark; William F. Ames; 8 months; \$21,170

UNIVERSITY OF DENVER, Colo.; William M. Mueller; 9 months; \$38,200

UNIVERSITY OF FLORIDA, Gainesville; Per-Olov Lowdin; 8 months; \$67,500

UNIVERSITY OF HOUSTON, Tex.; Douglas Muster; 5 months; \$6,975
Elliott I. Organick; 10 months; \$69,210

UNIVERSITY OF KANSAS, Lawrence; E. Raymond Hall; 8 months; \$2,000

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; F. E. McVay, Raleigh; 1 year; \$69,710

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Donn S. Gorsline; 1 year; \$300
Jay M. Savage; 1 year \$49,210

UNIVERSITY OF TEXAS, Austin; Howard T. Odum; 1 year \$9,000

UNIVERSITY OF WISCONSIN, Madison; Robert G. Sachs; 26 months; \$80,000

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; James A. Jacobs; 10 months; \$53,355

WASHINGTON STATE UNIVERSITY, Pullman; William W. Elmendorf; 10 months; \$8,170

WILLIAM MARSH RICE UNIVERSITY, Houston, Tex.; Jim Douglas, Jr.; 1 year; \$40,720

WOODS HOLE OCEANOGRAPHIC INSTITUTION, Woods Hole, Mass.; Columbus O'D. Iselin; 12 weeks; \$162,390
George Veronis; 8 months; \$36,280

YALE UNIVERSITY, New Haven, Conn.; F. R. E. Crossley; 15 months; \$38,175
Talbot H. Waterman; 1 year; \$20,340

COORDINATED SUMMER AND IN-SERVICE INSTITUTES

ADELPHI COLLEGE, Garden City, N.Y.; Marie E. Conklin; 11 months; \$103,580
Donald Solitar; 11 months; \$77,700

BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska; 10 months; \$73,020

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; Bruce R. Vogell; 12 months; \$63,750

FORDHAM UNIVERSITY, New York, N.Y.; Charles J. Lewis; 11 months; \$82,580

MONTCLAIR STATE COLLEGE, Upper Montclair, N.J.; Max A. Sobel; 12 months; \$87,450

NORTHWESTERN UNIVERSITY, Evanston, Ill.; E. H. C. Hildebrandt; 11 months; \$90,830

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Harriet F. Montague, Buffalo; 10 months; \$56,100

RESEARCH FOUNDATION OF THE UNIVERSITY OF TOLEDO, Ohio; Archie N. Solberg; 11 months; \$74,450

UNIVERSITY OF NEW HAMPSHIRE, Durham; John C. Mairhuber; 11 months; \$89,900

UNIVERSITY OF OREGON, Eugene; A. F. Mour-sund; 10 months; \$71,810

UNIVERSITY OF PUERTO RICO, Mayaguez; Vir-gilio Blaggi, Jr.; 11 months; \$48,650

UNIVERSITY OF SANTA CLARA, Calif.; Abra-ham P. Hillman; 13 months; \$86,130

VIRGINIA STATE COLLEGE, Petersburg; T. Nelson Baker; 11 months; \$147,460

WAYNE STATE UNIVERSITY, Detroit, Mich.; Harold T. Slaby; 11 months; \$77,780

WESTERN KENTUCKY STATE COLLEGE, Bow-ling Green; Ward C. Sumpter; 11 months; \$94,790

WESTERN MICHIGAN UNIVERSITY, Kalama-zoo; James H. Powell; 11 months; \$81,720

WORCESTER POLYTECHNIC INSTITUTE, Worces-ter, Mass.; Richard F. Morton; 11 months; \$96,650

COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM

AUSTIN PEAY STATE COLLEGE, Clarksville, Tenn.; William G. Stokes; 9 months; \$7,770

BROWN UNIVERSITY, Providence, R.I.; John A. Flinger; 9 months; \$10,980

CARNEGIE INSTITUTE OF TECHNOLOGY, Pitts-burgh, Pa.; Lawrence N. Canjar; 8 months; \$21,580

Lawrence N. Canjar; 17 months; \$36,395

CHAPMAN COLLEGE, Orange, Calif.; Peter Coad; 11 months; \$13,645

CLARKSON COLLEGE OF TECHNOLOGY, Pots-dam, N.Y.; Robert D. Larsson; 8 months; \$4,550

COLGATE UNIVERSITY, Hamilton, N.Y.; Robert Goodwin; 9 months; \$20,950

COLUMBIA UNIVERSITY, New York, N.Y.; Donald Barr; 7 months; \$45,000

CORNELL UNIVERSITY, Ithaca, N.Y.; Matthew H. Bruce, Jr.; 6 months; \$22,685

DARTMOUTH COLLEGE, Hanover, N.H.; Wil-liam P. Davis, Jr.; 2 months; \$36,010

DENISON UNIVERSITY, Granville, Ohio; Robert W. Alrutz; 2 months; \$16,105

FAIRMONT STATE COLLEGE, Fairmont, W.Va.; James A. LaRue; 9 months; \$11,260

LAMAR STATE COLLEGE OF TECHNOLOGY, Beaumont, Tex.; Edwin S. Hayes; 9 months; \$8,090

LOUISIANA STATE UNIVERSITY, Baton Rouge; Harry J. Bennett; 3 months; \$23,295

MANHATTAN COLLEGE, New York, N.Y.; Leonard O'Connor; 2 months; \$19,040

MERRIMACK COLLEGE, North Andover, Mass.; William E. McGuire; 2 months; \$18,990

NEW ENGLAND COLLEGE, Henniker, N.H.; Harold C. Downes; 5 months; \$7,225

NORTH DAKOTA STATE UNIVERSITY, Fargo; Donald Schwartz; 11 months; \$2,600

OKLAHOMA STATE UNIVERSITY, Stillwater; Robert C. Fite; 2 months; \$32,990

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Almon G. Turner; 2 months; \$17,895

PURDUE UNIVERSITY, Lafayette, Ind.; M. Wiles Keller; 9 months; \$32,510

ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Philip Youngner; 1 month; \$26,760

ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; John J. Coffey; 4 months; \$15,115

SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; Jim G. Malik; 2 months; \$16,090

TENNESSEE WESLEYAN COLLEGE, Athens; William H. Adams; 1 year; \$1,650

UNIVERSITY OF FLORIDA, Gainesville; A. H. Gropp; 4 months; \$770

A. H. Gropp; 9 months; \$2,700

UNIVERSITY OF HAWAII, Honolulu; Michael M. Frodyma; 10 months; \$27,865

UNIVERSITY OF MIAMI, Coral Gables, Fla.; Herman Meyer; 8 months; \$12,690

UNIVERSITY OF MINNESOTA, Minneapolis; Paul C. Rosenbloom; 12 months; \$25,110

UNIVERSITY OF NEW HAMPSHIRE, Durham; Richard H. Balomenos; 13 months; \$16,875

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; W. A. Reid, Raleigh; 2 months; \$23,785

UNIVERSITY OF PITTSBURGH, Pa.; John R. Jablonski; 12 months; \$38,545

UNIVERSITY OF PUERTO RICO, Rio Piedras; Mariano Garcia; 9 months; \$7,300

UNIVERSITY OF RHODE ISLAND, Kingston; James E. Casey; 6 months; \$13,175

UNIVERSITY OF VIRGINIA, Charlottesville; A. R. Kuhlthau; 2 months; \$5,690

A. R. Kuhlthau; 2 months; \$6,810

A. R. Kuhlthau; 8 months; \$10,060

VIRGINIA INSTITUTE OF MARINE SCIENCE, Gloucester Point; Robert S. Bailey; 2 months; \$9,295

VIRGINIA STATE COLLEGE, Petersburg; Paul L. Brown, Norfolk; 2 months; \$17,495

WALDEMAR MEDICAL RESEARCH FOUNDATION, INC., Port Washington, N.Y.; Norman Molomut; 2 months; \$22,110

Norman Molomut; 6 months; \$9,560

WESTERN MICHIGAN UNIVERSITY, Kalama-zoo, George G. Mallinson; 16 months; \$8,985

WEST VIRGINIA WESLEYAN COLLEGE, Buck-hannon; John C. Wright; 2 months; \$27,540

John C. Wright; 9 months; \$7,020

WOODS HOLE OCEANOGRAPHIC INSTITUTION, Woods Hole, Mass.; Charles S. Yentsch; 10 months; \$7,400

COURSE CONTENT STUDIES AND DEVELOPMENT

AMERICAN ASSOCIATION OF PHYSICS TEACHERS; Minneapolis, Minn.; Arnold Arons, Harvard University, Cambridge, Mass.; *A Study of the Usefulness of Resource Letters in Physics*; 2 years; \$23,870

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; John R. Mayor; *The Development of Science Teaching Materials for the Elementary and Junior High School Grades*; 9 months; \$146,000

William P. Viall; *Regional Conferences of School Administrators on New Science Curricula*; 7 months; \$9,100

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *A Center for Educational Apparatus in Physics*; 2 years; \$120,750

Elmer Hutchisson; *Source Material on the Recent History of Physics in the United States*; 2 years; \$17,510

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Kenneth C. Spengler; *Development of Educational Motion Pictures, Film Strips and Lantern Slides in Meteorology*; 9 months; \$600,700

Kenneth C. Spengler; *Educational Monographs in Atmospheric Sciences*; 3 years; \$51,290

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; Arthur H. Brayfield; *Film Series in Psychology*; 2 months; \$29,400

AMERICAN SOCIETY, FOR ENGINEERING EDUCATION, Ames, Iowa; George A. Hawkins, Purdue University, Lafayette, Ind.; *A Study on the Goals of Engineering Education*; 3 years; \$209,090

Joseph M. Pettit; *Study of Graduate Education in Engineering*; 3 years; \$98,100

ASSOCIATION OF AMERICAN GEOGRAPHERS, Washington, D.C.; John F. Lounsbury, Eastern Michigan University, Ypsilanti; *Geography in Liberal Education Project*; 1 year; \$56,550

BOSTON COLLEGE, Chestnut Hill, Mass.; H. G. Bombolakis; *Development of Photoelastic Stress Analysis of Structural Geology Problems*; 1 year; \$3,500

BYRN MAWR COLLEGE, Bryn Mawr, Pa.; Rosalie C. Hoyt and George L. Zimmerman; *Development of a Combined College Chemistry-Physics Course*; 2 years; \$43,470

Walter C. Michels; *Commission on College Physics*; 1 year; \$91,490

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Stanley W. Angrist; *Development of Simple Experiments for Studying the Nature of Coupled Flows in Direct Energy Conversion Devices*; 1 year; \$14,950

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; James B. Reswick; *Development of Dynamics Course Using Analog Computers*; 4 months; \$30,000

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; Hilbert Schenck, Jr.; *Development of Apparatus and Instructional Methods for an Interdisciplinary Laboratory to Teach Experimentation in Engineering*; 24 months; \$1,440

COLUMBIA UNIVERSITY, New York, N.Y.; Maurice Ewing, Palisades; *A Series of Educational Films About the Earth and Sea*; 2 years; \$363,400

CORNELL UNIVERSITY, Ithaca, N.Y.; R. J. Walker; *Experimental Teaching Program in Algebra*; 21 months; \$16,580

EARLHAM COLLEGE, Richmond, Ind.; Laurence E. Strong; *The Chemical Bond Approach Project*; 1 year; \$200,300

EDUCATIONAL SERVICES, INCORPORATED, Watertown, Mass.; Andrew M. Gleason, Harvard University, Cambridge; William T. Martin, Massachusetts Institute of Technology, Cambridge; *Study of the Structure of the Mathematics Curriculum in Grades 1-12*; 1 year; \$185,505

David Hawkins; *Elementary School Science Curriculum Project*; 4 months; \$605,490

Phillip Morrison, Cornell University, Ithaca, N.Y.; *Elementary School Science Curriculum Project*; 4 months; \$219,650

Uri Haber-Schaim; *One-Year Course in Physical Science for Junior High Schools*; 1 year; \$120,980

Uri Haber-Schaim; *The Revision of the Physical Science Study Committee Teacher's Resource Book and Guide*; 18 months; \$69,660

Uri Haber-Schaim; *Briefing Conference for Senior Staff of PSSC Summer and In-Service Institutes*; 5 days; \$9,350

Uri Haber-Schaim; *Extension of the Physical Science Study Committee Physics Courses for Use in Colleges and Junior Colleges*; 2 years; \$35,000

Charles Kittel; *Development of an Elementary College Physics Course*; 26 months; \$232,250

Campbell L. Searle; *Semiconductor Electronics Education Committee*; 1 year; \$133,400

Jerrold R. Zacharias; *Development of Alternate Battery of Physical Science Study Committee Tests*; 8 months; \$53,590

FLORIDA STATE UNIVERSITY, Tallahassee; J. Stanley Marshall; *Planning Conferences on a Junior High School Curriculum Center*; 6 months; \$7,850

HARVARD UNIVERSITY, Cambridge, Mass.; Jerome Bruner; *A Planning Conference on Research on Children's Learning*; 7 months; \$16,100

IOWA STATE UNIVERSITY, Ames; Glenn Murphy; *Improvement of Laboratory Instruction in the Science of Materials*; 3 years; \$62,800

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; Alspoh H. Corwin; *An Organic Chemistry Course for Sophomores*; 15 months; \$10,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; Jerrold R. Zacharias; *The Science Teaching Center: College Physics*; 1 year; \$198,000

MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N.Y.; R. Creighton Buck, University of Wisconsin; *Committee on the Undergraduate Program in Mathematics*; 1 year; \$1,081,620

Holbrook M. MacNelle; *The Committee on Educational Media Films and Other Teaching Materials for College Mathematics*; 3 years; \$80,000

MICHIGAN STATE UNIVERSITY, East Lansing; Alfred Leitner; *Films on Low-Temperature Phenomena*; 1 year; \$15,990

L. W. Von Tersch; *Engineering Educational Development Program*; 1 year; \$90,000

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Robert L. Heller, University of Minnesota, Minneapolis; *Curriculum Resources for Earth Science Teaching in Secondary Schools*; 10 months; \$147,182

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Mischa Schwartz; *Development of a Communications Systems Laboratory*; 2 years; \$78,200

PRINCETON UNIVERSITY, Princeton, N.J.; Frederick L. Ferris, Jr.; *Junior High School Science Project*; 1 year; \$20,000

PURDUE UNIVERSITY, Lafayette, Ind.; C. F. Warner; *Development of Equipment for Mechanical Engineering Laboratories*; 1 year; \$21,110

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Walter Eppenstein and Robert Resnick; *Workshop for Development of Apparatus for College Physics*; 1 year; \$72,110

STANFORD UNIVERSITY, Stanford, Calif.; E. G. Begle; *School Mathematics Study Group*; 1 year; \$1,567,200

Paul R. Hanna; *Working Conference on Developing New Curriculum Materials in the Social Sciences for the Schools*; 1 year; \$18,700

Robert R. Sears; *Working Conference on Research on Children's Learning*; 6 months; \$22,860

STATE COLLEGE OF IOWA, Cedar Falls; E. Glenadine Gibb; *Development of Teacher Training Materials in Mathematics*; 10 months; \$4,500

STATEN ISLAND COMMUNITY COLLEGE, Staten Island, N.Y.; Reuben Benumof; *Design of Optical Pumping Apparatus and Experiments for the Study of Hyperfine Zeeman Transitions*; 2 years; \$11,770

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Ainsley H. Diamond; *Development of an Undergraduate Course in Mathematical Logic*; 18 months; \$15,800

UNIVERSITY OF CALIFORNIA, Berkeley; Herbert L. Mason; *Elementary School Science Project*; 1 year; \$142,140

George C. Pimentel; *Chemical Education Material Study*; 15 months; \$981,325

UNIVERSITY OF COLORADO, Boulder; H. Bentley Glass; *The Biological Sciences Curriculum Study*; 15 months; \$1,800,000

UNIVERSITY OF HOUSTON, Houston, Tex.; Glen E. Peterson; *Briefing Session for Potential Teachers of High School Biology from the Biological Sciences Curriculum Studies*; 14 months; \$6,570

UNIVERSITY OF ILLINOIS, Urbana; Max Beberman; *University of Illinois Committee on School Mathematics*; 18 months; \$130,000

Max Beberman; *Series of Films for Training of Ninth Grade Algebra Teachers*; 21 months; \$195,980

Lee J. Cronbach, Champaign; *Study Conference on Evaluation of Course Content Improvement Projects*; 5 months; \$6,000

Gilbert C. Finlay; *A Project on Elementary School and Junior High School Course Content Improvement*; 1 year; \$228,200

UNIVERSITY OF KANSAS, Lawrence; John S. McNowh; *An Experiment with Laboratory Courses in Engineering*; 15 months; \$11,040

UNIVERSITY OF MARYLAND, College Park; Robert Karplus; *Elementary School Science Curriculum Study*; 10 months; \$40,250

John R. Mayor and Helen L. Garstens; *Development of a New Course in Mathematics for Prospective Elementary School Teachers*; 3 years; \$7,480

UNIVERSITY OF MINNESOTA, Minneapolis; Paul C. Rosenbloom; *Development of a Science and Mathematics Curriculum for Grades K-9*; 1 year; \$405,560

UNIVERSITY OF ROCHESTER, N.Y.; John A. Fox; *Design and Construction of a Small Laboratory and Demonstration Hypersonic Wind Tunnel*; 6 months; \$4,390

UNIVERSITY OF WASHINGTON, Seattle; J. Maurice Kingston; *Development of New Mathematics Course for Prospective Junior High School Teachers*; 1 year; \$20,410

UNIVERSITY OF WISCONSIN, Madison; R. C. Buck and John Nohel; *Experimental Curriculum in Engineering Mathematics*; 2 years; \$58,000

UTAH STATE UNIVERSITY, Logan; John K. Wood; *Course Content Improvement in Elementary School Science*; 2 years; \$75,500

VALPARAISO UNIVERSITY, Valparaiso, Ind.; Leslie M. Zoss; *Development of Experiments for Teaching Closed Loop Control Theory*; 1 year; \$4,315

WASHINGTON UNIVERSITY, St. Louis, Mo.; John M. Fowler; *Development of Lecture Demonstration Material and Laboratory Exercises for Introductory College Physics*; 1 year; \$16,350

Thomas S. Hall; *The Commission on Undergraduate Education in the Biological Sciences*; 20 months; \$157,700

WAYNE STATE UNIVERSITY, Detroit, Mich.; Yehuda Klausner; *Designing and Building a Pneumatic Loading Device for Pure Deviatoric Loading of Soils*; 34 months; \$4,440

WEBSTER COLLEGE, Webster, Mo.; Robert B. Davis; *Syracuse-Webster Elementary Mathematics Project*; 1 year; \$208,340

WELLESLEY COLLEGE, Wellesley, Mass.; Delaphine G. R. Wyckoff; *Intensive Study Session for High School Teachers of Biology*; 14 months; \$29,890

DEVELOPMENTAL PROJECTS (SCIENCE EDUCATION)

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; James B. Reswick; *Faculty-Student Conference on Engineering Education*; 17 months; \$18,020

CONFERENCE BOARD OF THE MATHEMATICAL SCIENCES, Washington, D.C.; Leon W. Cohen; *Conference on the Training of Mathematicians*; 3 days; \$16,490

DUKE UNIVERSITY, Durham, N.C.; Charles R. Vall; *Developmental Program in the College of Engineering*; 18 months; \$149,790

EDUCATIONAL SERVICES, INC., Watertown, Mass.; Paul F. Chenea, Purdue University, Lafayette, Ind.; *The Central Office Activities*

of the Commission on Engineering Education; 1 year; \$123,355

NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; Frederick G. Lehman; *Expansion and Integration of Activities in Education and Research in the Newark College of Engineering Computing Center*; 3 years; \$45,400

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; C. G. Overberger; *A Chemistry Teacher Trainee Program*; 3 years; \$37,950

REED COLLEGE, Portland, Oreg.; Frederick D. Tabbutt; *Summer Program in Inorganic Chemistry*; 33 months; \$1,950

UNIVERSITY OF ARIZONA, Tucson; John W. Harshbarger; *Education in Hydrology*; 3 years; \$105,110

UNIVERSITY OF ROCHESTER, N.Y.; Bernard S. Cohn; *Establishment of a Faculty Curriculum-Study Seminar in the Department of Anthropology*; 43 months; \$71,000

YALE UNIVERSITY, New Haven, Conn.; Albert L. Washburn; *A Summer Field Program for Predoctoral Geology Students*; 3 years; \$17,595

FOREIGN PARTICIPATION

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Dael Wolfe; 16 months; \$71,200

SYRACUSE UNIVERSITY, Syracuse, N.Y.; Alfred T. Collette; 14 months; \$14,800

HOLIDAY LECTURES

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Dael Wolfe; *Holiday Lectures for Selected High School Students*; 1 year; \$92,000

IN-SERVICE INSTITUTES FOR ELEMENTARY SCHOOL TEACHERS

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; James G. Potter; 9 months; \$3,860

ALAMEDA COUNTY STATE COLLEGE FOUNDATION, INC., Hayward Calif.; John D. Hancock; 9 months; \$7,960

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Franklyn M. Branley; 4 months; \$3,230

ARKANSAS STATE COLLEGE, State College; W. W. Nedrow; 9 months; \$4,860

ARKANSAS STATE TEACHERS COLLEGE, Conway; O. L. Hughes; 9 months; \$5,890

BELOIT COLLEGE, Beloit, Wis.; John L. Biesler; 8 months; \$4,230

CALVIN COLLEGE, Grand Rapids, Mich.; Carl J. Sinke; 9 months; \$6,960

CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant; Julia Adkins; 9 months; \$6,350

EASTERN MICHIGAN UNIVERSITY, Ypsilanti; James W. Gallagher; 10 months; \$6,920

FAIRBIGH DICKINSON UNIVERSITY, Rutherford, N.J.; Malcolm Sturchio; 9 months; \$4,800

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY, Tallahassee; Israel E. Glover; 9 months; \$5,230

HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; Roy W. Tucker; 9 months; \$7,020

INDIANA STATE COLLEGE, Terre Haute; John C. Hook; 8 months; \$6,720

JERSEY CITY STATE COLLEGE, Jersey City, N.J.; John Reckzeh; 9 months; \$6,560

KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 9 months; \$8,760

KANSAS STATE UNIVERSITY, Manhattan; C. Alan Riedesel; 9 months; \$7,110

KNOXVILLE COLLEGE, Knoxville, Tenn.; Robert H. Harvey; 8 months; \$6,330

LOYOLA UNIVERSITY, New Orleans, La.; John F. Keller; 9 months; \$6,560

MACMURRAY COLLEGE, Jacksonville, Ill.; Herman H. Siemers; 9 months; \$6,110

MILLERSVILLE STATE COLLEGE, Millersville, Pa.; William B. McIlwaine; 9 months; \$7,230

NEBRASKA STATE TEACHERS COLLEGE, Wayne; Lyle E. Seymour; 8 months; \$6,070

NEW MEXICO WESTERN COLLEGE, Silver City; Jesse F. Bingaman; 9 months; \$8,730

NORTHEASTERN UNIVERSITY, Boston, Mass.; Benjamin C. Friedrich; 9 months; \$3,000

PORTLAND STATE COLLEGE, Portland, Oreg.; J. Richard Byrne; 8½ months; \$4,900

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; Samuel H. Douglas; 9 months; \$7,840

RESEARCH FOUNDATION OF STATE UNIVERSITY OF N.Y., Albany; Daniel W. Snader, Fredonia; 9 months; \$7,840

RHODE ISLAND COLLEGE, Providence; Renato E. Leonelli; 9 months; \$6,100

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; H. Stewart Moredock; 9 months; \$7,810

ST. AUGUSTINE'S COLLEGE, Raleigh, N.C.; Joseph Jones, Jr.; 9 months; \$6,080

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; John L. Marks; 9 months; \$6,510

SHORTER COLLEGE, Rome, Ga.; Philip F.-C. Greear; 9 months; \$6,080

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 9 months; \$7,050

TALLADEGA COLLEGE, Talladega, Ala.; Cohen T. Simpson; 7 months; \$3,940

TEXAS WOMAN'S UNIVERSITY, Denton; Helen A. Ludeman; 9 months; \$6,580

UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 9 months; \$6,550

UNIVERSITY OF CALIFORNIA, Berkeley; Mario Menesini; 9 months; \$8,800

UNIVERSITY OF COLORADO, Boulder; James R. Wallis; 8 months; \$6,810

UNIVERSITY OF DELAWARE, Newark; G. Cuthbert Webber; 9 months; \$4,890

UNIVERSITY OF DETROIT, Mich.; Lyle E. Mehlenbacher; 9 months; \$6,630

UNIVERSITY OF GEORGIA, Athens; Charles L. Koelsche; 9 months; \$7,570

UNIVERSITY OF HAWAII, Honolulu; Michael M. Frodyma; 8 months; \$19,000

UNIVERSITY OF NORTH DAKOTA, Grand Forks; Bert L. Willis; 9 months; \$6,880

UNIVERSITY OF OKLAHOMA, Norman; Dora McFarland; 9 months; \$8,160

UNIVERSITY OF THE PACIFIC, Stockton, Calif.; John V. Schippers; 9 months; \$8,030

UNIVERSITY OF PUERTO RICO, Rio Piedras; Mariano Garcia; 9 months; \$6,430

UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 9 months; \$6,360

UNIVERSITY OF VERMONT, Burlington; N. James Schoonmaker; 10 months; \$5,480

IN-SERVICE INSTITUTES FOR JUNIOR HIGH SCHOOL TEACHERS

KNOX COLLEGE, Galesburg, Ill.; Rothwell Stephens; 9 months; \$1,450

IN-SERVICE INSTITUTES FOR SECONDARY SCHOOL TEACHERS

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Dale F. Lepper; 9 months; \$6,060

ALABAMA AGRICULTURAL AND MECHANICAL COLLEGE, Normal; Winfred Thomas; 9 months; \$7,350

ALAMEDA COUNTY STATE COLLEGE FOUNDATION, INC., Hayward, Calif.; C. T. Purvis; 9 months; \$9,630

C. T. Purvis; 9 months; \$920

ALBANY STATE COLLEGE, Albany, Ga.; William E. Johnson, Jr.; 9 months; \$19,850

ALBERTUS MAGNUS COLLEGE, New Haven, Conn.; Florence D. Jacobson; 8 months; \$11,510

ALBRIGHT COLLEGE, Reading, Pa.; Richard J. Kohlmeier; 9 months; 6,250

AMERICAN UNIVERSITY; Washington, D.C.; Leo Schubert; 9 months; \$27,990
Leo Schubert; 9 months; \$2,640

ANDREWS UNIVERSITY, Berrien Springs, Mich.; Harold T. Jones; 9 months; \$5,230

ANTIOCH COLLEGE, Yellow Springs, Ohio; James F. Corwin; 10 months; \$9,740

ARIZONA STATE UNIVERSITY, Tempe; Lehi T. Smith; 9 months; \$7,560

Ernest E. Snyder; 9 months; \$13,240

Alan T. Wager; 9 months; \$5,930

ARKANSAS STATE COLLEGE, State College; W. W. Nedrow; 9 months; \$9,780

AUSTIN PEAY STATE COLLEGE, Clarksville, Tenn.; Haskell C. Phillips; 9 months; \$8,460

BALDWIN-WALLACE COLLEGE, Berea, Ohio; Dean L. Robb; 9 months; \$5,990

BATES COLLEGE, Lewiston, Maine; Robert M. Chute; 6 months; \$5,930

BERMIDJI STATE COLLEGE, Bemidji, Minn.; Paul M. Grabarkewitz; 6 months; \$13,760

BOSTON COLLEGE, Chestnut Hill, Mass.; John H. Kinnier; 9 months; \$5,520

William G. Guindon; 9 months; \$650

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 9 months; \$17,210

BROOKLYN COLLEGE, N.Y.; Meyer Jordan; 9 months; \$8,780

BROWN UNIVERSITY, Providence, R.I.; Charles B. MacKay; 9 months; \$7,160

BUTLER UNIVERSITY, Indianapolis, Ind.; Harry E. Crull; 9 months; \$20,850

CALIFORNIA STATE COLLEGE, California, Pa.; A. H. Anderson; 9 months; \$13,620

CALVIN COLLEGE, Grand Rapids, Mich.; Carl J. Sinke; 9 months; \$11,020

CATHOLIC UNIVERSITY OF PUERTO RICO, Ponce; Rafael Burgos-Macias; 10 months; \$9,970

CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant; Wilbur J. Waggoner; 9 months; \$18,170

CHICAGO TEACHERS COLLEGE, Ill.; Robert J. Goldberg; 8 months; \$1,700

CITY COLLEGE, New York, N.Y.; Sherburne F. Barber; 9 months; \$6,380

Alexander Joseph, Bronx Community College; 9 months; \$9,400

Chester B. Kremer; 9 months; \$11,870

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; John M. Perry; 9 months; \$12,000

COLLEGE OF THE HOLY CROSS, Worcester, Mass.; John W. Flavin; 8 months; \$6,030
Robert B. MacDonnell; 9 months; \$6,260
Vincent O. McBrien; 9 months; \$6,640

COLLEGE OF IDAHO, Caldwell; Boyd Henry; 9 months; \$11,130

COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.; Richard W. Copeland; 9 months; \$8,850

COLORADO STATE COLLEGE, Greeley; Robert B. Sund; 9 months; \$9,350

CONNECTICUT COLLEGE, New London; L. Aileen Hostinsky; 8 months; \$7,720

DARTMOUTH COLLEGE, Hanover, N.H.; W. T. Jackson; 6 months; \$7,500

Charles J. Lyon; 7 months; \$440

DOMINICAN COLLEGE OF SAN RAFAEL, Calif.; Sister Mary Augusta; 8 months; \$16,050

DRAKE UNIVERSITY, Des Moines, Iowa; Earle L. Canfield; 9 months; \$15,960

DREW UNIVERSITY, Madison, N.J.; Bernard Greenspan; 8 months; \$6,440

EARLHAM COLLEGE, Richmond, Ind.; Howard W. Alexander; 9 months; \$7,110

EAST CAROLINA COLLEGE, Greenville, N.C.; Frank W. Eller; 9 months; \$8,040

EAST TENNESSEE STATE COLLEGE, Johnson City; Lester C. Hartsell; 9 months; \$18,130

EAST TEXAS STATE COLLEGE, Commerce; Arthur M. Pullen; 9 months; \$6,820

Charles S. Rohrer; 1 year; \$150

Charles S. Rohrer; 9 months; \$12,820

Charles J. Stuth; 9 months; \$9,140

EASTERN MONTANA COLLEGE OF EDUCATION, Billings; Oliver W. Peterson; 3 months; \$4,700

EASTERN NAZARENE COLLEGE, Wollaston, Mass.; W. Lloyd Taylor; 9 months; 14,550

EMORY UNIVERSITY, Atlanta, Ga.; Charles T. Lester; 7 months; \$13,230

EMORY AND HENRY COLLEGE, Emory, Va.; W. Thomas Graybeal; 9 months; \$6,120

EVANSVILLE COLLEGE, Evansville, Ind.; Ralph H. Coleman; 9 months; \$4,980

FAIRFIELD UNIVERSITY, Fairfield, Conn.; John A. Barone; 9 months; \$14,840

FAIRLIGH DICKINSON UNIVERSITY, Rutherford, N.J.; Harold Weinberger; 8 months; \$9,000

FENN COLLEGE, Cleveland, Ohio; Walter R. Van Voorhis; 8 months; \$11,400

FLORIDA INSTITUTE FOR CONTINUING UNIVERSITY STUDIES, Tallahassee; Kenneth P. Kidd, University of Florida, Gainesville; 10 months; \$29,450

J. Stanley Marshall, Florida State University; 9 months; \$27,880

J. Stanley Marshall, Florida State University; 10 Months; \$7,740

J. Stanley Marshall, Florida State University; 10 months; \$15,840

Eugene D. Nichols, Florida State University; 10 months; \$28,440

G. Ray Noggle, University of Florida, Gainesville; 10 months; \$27,370

FORT HAYS KANSAS STATE COLLEGE, Hays; W. Toalson; 9 months; \$7,780

FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; John H. Moss; 9 months; \$10,450

GEORGE PEABODY COLLEGE FOR TEACHERS, Nashville, Tenn.; J. Houston Banks; 9 months; \$7,990

GEORGETOWN UNIVERSITY, Washington, D.C.; M. P. Thekaekara; 9 months; \$16,680

GEORGIA SOUTHERN COLLEGE, Statesboro; Richard P. King; 9 months; \$6,880

GLASSBORO STATE COLLEGE, Glassboro, N.J.; Clyde W. Hibbs; 9 months; \$8,960

Warren G. Roome; 9 months; \$13,090

HAMPTON INSTITUTE, Hampton, Va.; Victor H. Fields; 8 months; \$14,130

HOLY NAMES COLLEGE, Spokane, Wash.; Sister M. Eugene Gautreaux; 7 months; \$12,700

HOWARD PAYNE COLLEGE, Brownwood, Tex.; Dale Maness; 9 months; \$8,380

HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; Henry S. Tropp; 9 months; \$9,260

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Haim Reingold; 9 months; \$96,200

Daisy M. Tagliacozzo; 9 months; \$9,690

INCARNATE WORD COLLEGE, San Antonio, Tex.; Sister Claude Marie; 9 months; \$10,170

Sister Joseph Marie; 9 months; \$11,050

INDIANA CENTRAL COLLEGE, Indianapolis; Robert M. Brooker; 9 months; \$7,270

INTER AMERICAN UNIVERSITY, San German, Puerto Rico; Ismael Velez; 8 months; \$16,370

IONA COLLEGE, New Rochelle, N.Y.; George S. Pappas; 9 months; \$8,320

KANSAS STATE COLLEGE OF PITTSBURG; R. G. Smith; 9 months; \$19,030

R. G. Smith; 9 months; \$9,400

KANSAS STATE TEACHERS COLLEGE, Emporia; Ted Andrews; 9 months; \$25,820

KENT STATE UNIVERSITY, Kent, Ohio; Kenneth B. Cummins; 9 months; \$8,230

KNOXVILLE COLLEGE, Knoxville, Tenn.; Robert H. Harvey; 8 months; \$11,880

LAFAYETTE COLLEGE, Easton, Pa.; Charles W. Saalfrank; 9 months; \$7,690

LAKE FOREST COLLEGE, Lake Forest, Ill.; John W. Coutts; 9 months; \$8,740

LONG BEACH STATE COLLEGE FOUNDATION, Long Beach, Calif.; John J. Baird; 9 months; \$11,750

LOUISIANA COLLEGE; Pineville; Henry T. Donohoe; 9 months; \$7,910

LOUISIANA STATE UNIVERSITY, Baton Rouge; Dennis M. Nead; 8 months; \$10,750

Harry D. Richardson; 9 months; \$1,800

LOYOLA UNIVERSITY, New Orleans, La.; F. A. Benedetto; 9 months; \$8,560

H. R. Jolley; 8 months; \$10,330

John F. Keller; 9 months; \$15,330

MADISON COLLEGE, Harrisonburg, Va.; J. Emmert Ikenberry; 9 months; \$9,690

MANHATTAN COLLEGE, New York, N.Y.; Luke V. Titone; 9 months; \$10,760

Bernard Alfred Welch; 9 months; \$12,060

MARSHALL FOUNDATION, INC., Huntington, W. Va.; Harold E. Ward; 9 months; \$7,520

MARYLHURST COLLEGE, Marylhurst, Oreg.; Sister M. Loretta Ann; 8 months; \$9,750

MARYWOOD COLLEGE, Scranton, Pa.; Sister M. Coleman; 9 months; \$3,790

MCNEESE STATE COLLEGE, Lake Charles, La.; S. M. Spencer; 9 months; \$10,400

MEMPHIS STATE UNIVERSITY, Memphis, Tenn.; Rayburn W. Johnson; 9 months; \$3,000

H. S. Kaltenborn; 8 months; \$7,750

F. B. Schirmer; 9 months; \$1,600

MILES COLLEGE, Birmingham, Ala.; James S. Sutton; 9 months; \$10,830

MILLERSVILLE STATE COLLEGE, Millersville, Pa.; William B. McIlwaine; 9 months; \$6,080

MISSISSIPPI COLLEGE, Clinton; Archie H. Germany; 9 months; \$16,020

MOUNT MERCY COLLEGE, Pittsburgh, Pa.; William A. Uricchio; 8 months; \$7,060

MUNICIPAL UNIVERSITY OF OMAHA, Nebr.; Merle E. Brooks; 9 months; \$24,740

MURRAY STATE COLLEGE FOUNDATION, Murray, Ky.; Alfred Wolfson; 9 months; \$6,450

NEW YORK UNIVERSITY, N.Y.; Melvin Hauser; 9 months; \$30,950

NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; Herbert Barkan; 9 months; \$7,650

Paul O. Hoffman; 9 months; \$9,030

Frederick G. Lehman; 9 months; \$4,820

NORTH DAKOTA STATE UNIVERSITY, Fargo; Joel W. Broberg; 8 months; \$21,130

NORTHEAST MISSOURI STATE COLLEGE, Kirksville; Dean A. Rosebery; 9 months; \$15,500

NORTHERN MICHIGAN COLLEGE, Marquette; W. James Merry; 8 months; \$10,500

NORTHLAND COLLEGE, Ashland, Wis.; Louis J. Kolonko; 9 months; \$4,880

NORTH TEXAS STATE UNIVERSITY, Denton, Tex.; Robert C. Sherman; 8 months; \$14,200

NORTHWESTERN STATE COLLEGE, Alva, Okla.; Jerrold J. Burnett; 9 months; \$5,900

OHIO STATE UNIVERSITY, Columbus; William R. Riley; 9 months; \$11,130

Fred R. Schlessinger; 9 months; \$20,660

OREGON STATE UNIVERSITY, Corvallis; Albert R. Poole; 9 months; \$4,040

PACE COLLEGE, New York, N.Y.; Edward Ritter; 8 months; \$8,900

PENNSYLVANIA STATE UNIVERSITY, University Park; William H. Powers; 10 months; \$41,540

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE, Pa.; Arthur Osol; 9 months; \$560

POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; Seymour Lipschutz, 9 months; \$12,750

PORTLAND STATE COLLEGE, Portland, Oreg.; J. Richard Byrne; 8 months; \$5,090

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 9 months; \$16,820

PURDUE UNIVERSITY, Lafayette, Ind.; Clarence J. Goodnight; 9 months; \$34,750
M. Wiles Keller; 9 months; \$41,920

REED COLLEGE, Portland, Oreg.; Lloyd B. Williams; 9 months; \$16,440

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Edith R. Schneckenburger, Buffalo; 9 months; \$7,820
Daniel W. Snader, College at Fredonia; 9 months; \$22,210
Stephen S. Winter, Buffalo; 9 months; \$19,450
Emery L. Will, Oneonta; 9 months; \$6,060

RHODE ISLAND COLLEGE, Providence; Patrick J. O'Regan; 9 months; \$9,160

ROCKFORD COLLEGE, Rockford, Ill.; John A. Schumaker; 9 months; \$6,500

ROOSEVELT UNIVERSITY, Chicago, Ill.; Eugene Lieber; 8 months; \$8,050

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Orhan H. Alsbah, Rutgers College of South Jersey, Camden; 9 months; \$11,130
Guido G. Weigand; 9 months; \$9,700

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; Gordon R. Glabe; 9 months; \$21,930

ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Harold Hopkins; 9 months; \$5,960

ST. JOSEPH COLLEGE, West Hartford, Conn.; Sister Maria Clare Markham; 9 months; \$14,300

ST. LOUIS UNIVERSITY, Mo.; John J. Andrews; 9 months; \$7,920

ST. MARTIN'S COLLEGE, Olympia, Wash.; John Raymond; 8 months; \$12,210

ST. MARY'S COLLEGE, Winona, Minn.; L. George; 9 months; \$2,180

ST. MARY'S DOMINICAN COLLEGE, New Orleans, La.; Sister Mary Albert Kaack; 9 months; \$4,000

ST. PETER'S COLLEGE, Jersey City, N.J.; Perry Y. Jackson; 9 months; \$7,950
Francis A. Varrichio; 9 months; \$9,810

SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; D. I. Eidemiller; 10 months; \$12,200
Adam Gifford; 9 months; \$7,920

SAN FERNANDO VALLEY STATE COLLEGE FOUNDATION, Northridge, Calif.; F. Lynwood Wren; 9 months; \$13,820

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; Robert E. Arnal; 9 months; \$11,120
Max Kramer; 9 months; \$19,730
Laurence E. Wilson; 9 months; \$14,170

SARAH LAWRENCE COLLEGE, Bronxville, N.Y.; Edward J. Cogan; 8 months; \$19,370

SAVANNAH STATE COLLEGE, Savannah, Ga.; Charles Pratt; 9 months; \$8,050

SHORTER COLLEGE, Rome, Ga.; Phillip F-C Greear; 9 months; \$12,590

SMITH COLLEGE, Northampton, Mass.; Kenneth W. Sherk; 8 months; \$23,580

SOUTH CAROLINA STATE COLLEGE, Orangeburg; George W. Hunter; 9 months; \$32,260

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 9 months; \$5,420

STATE COLLEGE AT SALEM, Mass.; Thomas I. Ryan; 8 months; \$14,690

STATE UNIVERSITY OF IOWA, Iowa City; Robert E. Yager; 9 months; \$16,750

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Theodore L. Reid; 9 months; \$28,770
Theodore L. Reid; 9 months; \$13,440

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 9 months; \$13,950

STONEHILL COLLEGE, North Easton, Mass.; Thomas E. Lockary; 8 months; \$11,600

TALLADEGA COLLEGE, Talladega, Ala.; Cohen T. Simpson; 7 months; \$14,620

TEACHERS COLLEGE, COLUMBIA UNIVERSITY, New York, N.Y.; Howard F. Fehr; 8 months; \$12,880

TEMPLE UNIVERSITY, Philadelphia, Pa.; Leonard Muldawer; 9 months; \$19,000

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; William N. Jackson; 9 months; \$12,820

TENNESSEE POLYTECHNIC INSTITUTE, Cookeville; G. B. Pennebaker; 9 months; \$6,930

TEXAS WOMAN'S UNIVERSITY, Denton; Harlan C. Miller; 9 months; \$6,780

TEXAS COLLEGE OF ARTS AND INDUSTRIES, Kingsville; Olan E. Kruse; 9 months; \$6,860

TRENTON STATE COLLEGE, Trenton, N.J.; Victor L. Crowell; 10 months; \$10,620

TRINITY UNIVERSITY, San Antonio, Tex.; Donald E. McGannon, Jr.; 9 months; \$6,030

TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; B. D. Mayberry; 9 months; \$3,300

UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; John R. Haines; 9 months; \$17,480

UNIVERSITY OF AKRON, Ohio; Mabel M. Riedinger; 9 months; \$8,900
Mabel M. Riedinger; 9 months; \$9,820

UNIVERSITY OF ARIZONA, Tucson; Ulrich H. Bents; 30 months; \$400
Robert W. Hoshaw; 9 months; \$15,310
Arthur H. Steimbrenner; 9 months; \$6,250

UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 9 months; \$27,990

UNIVERSITY OF CALIFORNIA, Berkeley; George Jura; 9 months; \$2,550
Lola S. Kelly; 9 months; \$2,980
A. L. McClellan; 9 months; \$10,240
Richard C. Strohman; 9 months; \$9,900
Clifford Bell, Los Angeles; 8 months; \$30,830

UNIVERSITY OF CHATTANOOGA, Tenn.; Kenneth A. Fry; 9 months; \$12,300

UNIVERSITY OF CHICAGO, Ill.; Alfred L. Putnam; 6 months; \$2,100

UNIVERSITY OF CINCINNATI, Ohio; I. A. Barnett; 9 months; \$16,370

UNIVERSITY OF COLORADO, Boulder; William E. Briggs; 9 months; \$11,260

UNIVERSITY OF CONNECTICUT, Storrs; David J. Blick; 9 months; \$14,570

UNIVERSITY OF DELAWARE, Newark; G. Cuthbert Webber; 9 months; \$6,870

UNIVERSITY OF DETROIT, Mich.; Lyle E. Mehlenbacher; 9 months; \$14,530

UNIVERSITY OF GEORGIA, Athens; Charles L. Koelsche; 9 months; \$16,800

UNIVERSITY OF HAWAII, Honolulu; Iwao Miyake; 6 months; \$18,070

UNIVERSITY OF KANSAS, Lawrence; William M. Balfour; 9 months; \$7,730

UNIVERSITY OF LOUISVILLE, Ky.; Thomas H. Crawford; 9 months; \$5,780
W. H. Spragens; 9 months; \$5,420

UNIVERSITY OF MARYLAND, College Park; Robert W. Detenbeck; 9 months; \$17,520
Stanley B. Jackson; 9 months; \$12,560.

UNIVERSITY OF MICHIGAN, Ann Arbor; Charles Brumfiel; 9 months; \$16,460

UNIVERSITY OF MINNESOTA, Minneapolis; Theron O. Odlaug, Duluth; 6 months; \$4,540

UNIVERSITY OF MISSOURI, Columbia; Harold Q. Fuller, Rolla; 8 months; \$9,270

UNIVERSITY OF NEVADA, Reno; E. M. Beesley; 10 months; \$19,830

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Joseph W. Straley; 9 months; \$12,490
William A. White; 9 months; \$8,980
Hollis J. Rogers, Greensboro; 9 months; \$420
Hollis J. Rogers, Greensboro; 9 months; \$23,110
H. V. Park, Raleigh; 9 months; \$7,640

UNIVERSITY OF NORTH DAKOTA, Grand Forks; Walter L. Moore; 9 months; \$12,380
William D. Schmid; 9 months; \$13,390

UNIVERSITY OF OKLAHOMA, Norman; Doyle E. Anderegg; 8 months; \$15,720
Richard V. Andree; 10 months; \$33,270
Harold V. Huneke; 10 months; \$7,390

UNIVERSITY OF PENNSYLVANIA, Philadelphia; J. F. Hazel; 10 months; \$12,810

UNIVERSITY OF PITTSBURGH, Pa.; Peter Gray; 8 months; \$8,050
John C. Knipp; 8 months; \$9,060

UNIVERSITY OF PUERTO RICO, Rio Piedras; Augusto Bobonis; 9 months; \$14,970
Mariano Garcia; 9 months; \$6,100
Francisco Garriga; 9 months; \$14,000

UNIVERSITY OF REDLANDS, Calif.; Paul R. Gleason; 8 months; \$11,270

UNIVERSITY OF ROCHESTER, N.Y.; John J. Montean; 9 months; \$10,950

UNIVERSITY OF SAN FRANCISCO, Calif.; Edward J. Farrell; 10 months; \$10,070

UNIVERSITY OF SCRANTON, Pa.; Joseph A. Rock; 9 months; \$21,620

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Paul A. White; 9 months; \$22,810

UNIVERSITY OF SOUTHERN MISSISSIPPI, Hattiesburg; Virginia Felder; 9 months; \$1,080
Virginia Felder; 9 months; \$11,470

UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 9 months; \$10,750
James R. Oliver; 9 months; \$7,090
James R. Oliver; 9 months; \$6,820
James R. Oliver; 9 months; \$13,730

UNIVERSITY OF UTAH, Salt Lake City; E. Allan Davis; 9 months; \$8,390

UNIVERSITY OF VIRGINIA, Charlottesville; James W. Cole, Jr.; 9 months; \$33,230
William C. Lowry; 9 months; \$10,440

UNIVERSITY OF WASHINGTON, Seattle; Roy Dubisch; 6 months; \$5,050
Roy Dubisch; 3 months; \$3,530

UNIVERSITY OF WISCONSIN, Madison; Peter J. Salamun, Milwaukee; 10 months; \$6,860
Marlon B. Smith; 7 months; \$36,520

UNIVERSITY OF WYOMING, Laramie; W. Norman Smith; 9 months; \$1,500

UTAH STATE UNIVERSITY, Logan; Marden Broadbent, Provo; 8 months; \$5,950
Neville C. Hunsaker; 9 months; \$11,630

VILLANOVA UNIVERSITY, Villanova, Pa.; J. Bernard Hubbert; 9 months; \$25,350

WAKE FOREST COLLEGE, Winston-Salem, N.C.; Ben M. Seelbinder; 9 months; \$7,520

WAYNE STATE UNIVERSITY, Detroit, Mich.; William V. Mayer; 10 months; \$8,020

WEST CHESTER STATE COLLEGE, West Chester, Pa.; Albert E. Filano; 9 months; \$14,500

WESTERN ILLINOIS UNIVERSITY, Macomb; H. William Crall; 9 months; \$5,740

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George G. Mallinson; 9 months; \$13,200

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Stefan Machlup; 9 months; \$9,050
Ralph H. Petrucci; 9 months; \$9,840

WEST VIRGINIA UNIVERSITY, Morgantown; I. Dee Peters; 9 months; \$35,940

YESHIVA UNIVERSITY, New York, N.Y.; Abe Gelbart; 9 months; \$89,500

YOUNGSTOWN UNIVERSITY, Youngstown, Ohio; Bernard J. Yozwiak; 9 months; \$11,750

PUBLIC UNDERSTANDING OF SCIENCE

AMERICAN ACADEMY OF ARTS AND SCIENCES, Boston, Mass.; Stephen R. Graubard; *A Study of the Relationships Among the Natural Sciences*; 1 year; \$29,850

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *A New Public Information Service to Promote Scientific Understanding*; 3 years; \$65,880
Elmer Hutchisson; *Three Seminars for Science Writers in Rapidly Advancing Areas of Physics*; 1 year; \$15,530

ASPEN INSTITUTE FOR HUMANISTIC STUDIES, Aspen, Colo.; Robert W. Craig; *Four Seminars on the Public Understanding of the Role of Science in Society*; 1 year; \$42,210

CITY UNIVERSITY OF NEW YORK, New York, N.Y.; Mina Rees; *Filming of a New Educational Television Series, Toward the Unknowns*; 2 months; \$18,170

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Herman M. Welsman; *Science News Writing Seminar for Rural Community Press*; 6 months; \$13,210

PACIFIC SCIENCE CENTER FOUNDATION, Seattle, Wash.; Joseph L. McCarthy; *The Pa-*

of Science Center Project; 17 months; \$100,000

STATE OF WEST VIRGINIA—DEPARTMENT OF ARCHIVES AND HISTORY, Charleston; Leonard P. Stavisky; *Preparation of a Radio Astronomy Exhibit*; 1 year; \$65,000

UNIVERSITY OF OKLAHOMA, Norman; J. Teague Self; *Comprehensive Program for the Development of Public Understanding in Science*; 18 months; \$14,710

UNIVERSITY OF TENNESSEE, Knoxville; Alvin H. Nielsen; *A Symposium on Present Frontiers in Physics*; 6 months; \$1,200

WEST VIRGINIA UNIVERSITY, Morgantown; Guy H. Stewart; *Symposium on Health Sciences Reporting*; 5 months; \$5,140

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; William M. Heston; *Symposium on the Living State*; 5 months; \$20,020

RESEARCH PARTICIPATION FOR COLLEGE TEACHERS PROGRAM

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Jesse B. Coon; 3 months; \$10,760

BOSTON UNIVERSITY, Boston, Mass.; Lowell V. Coulter; 2 months; \$21,500

BRANDEIS UNIVERSITY, Waltham, Mass.; Thomas R. Tuttle, Jr.; 3 months; \$11,960

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; J. Reid Shelton; 2 months; \$16,910

FLORIDA STATE UNIVERSITY, Tallahassee; B. B. Scarborough; 2 months; \$16,910

FRANKLIN INSTITUTE, Philadelphia, Pa.; W. El. Danforth, Swarthmore; 10 months; \$7,120

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; James A. Stanfield; 2 months; \$14,250

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Werner W. Brandt; 3 months; \$22,785

INDIANA UNIVERSITY FOUNDATION, Bloomington; Harry G. Day; 2 months; \$10,160

L. S. McClung; 2 months; \$9,145

John B. Patton; 2 months; \$11,420

IOWA STATE UNIVERSITY, Ames; C. C. Bowen; 2 months; \$25,600

KANSAS STATE UNIVERSITY, Manhattan; Jack L. Lambert; 2 months; \$20,745

LOUISIANA STATE UNIVERSITY, Baton Rouge; Robert V. Nauman; 2 months; \$30,500

Dorr C. Ralph; 2 months; \$13,860

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; James P. Zietlow; 11 months; \$26,250

NORTH DAKOTA STATE UNIVERSITY, Fargo; J. A. Callenbach; 2 months; \$6,230

J. A. Callenbach; 2 months; \$10,250

J. A. Callenbach; 2 months; \$2,010

OKLAHOMA STATE UNIVERSITY, Stillwater; Glenn W. Todd; 2 months; \$15,000

OREGON STATE UNIVERSITY, Corvallis; E. C. Gilbert; 2 months; \$33,250

PURDUE UNIVERSITY, Lafayette, Ind.; Glenn B. Bergeson; 3 months; \$13,160

Irwin Tessman; 2 months; \$21,000

RESEARCH FOUNDATION, OKLAHOMA STATE UNIVERSITY, Stillwater; Troy C. Dorris; 3 months; \$5,980

Marvin T. Edmison; 2 months; \$16,000
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Edwin C. Jahn, Syracuse; 2 months; \$7,500
Howard Tieckelmann, Buffalo; 3 months; \$15,850

ROSEWELL PARK MEMORIAL INSTITUTE, Buffalo, N.Y.; Edwin A. Mirand; 3 months; \$40,770

SOUTH DAKOTA STATE COLLEGE, Brookings; A. W. Halverson; 2 months; \$2,500

STANFORD UNIVERSITY, Stanford, Calif.; Willis W. Harman; 3 months; \$31,080

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; George P. Scott; 2 months; \$4,735
George P. Scott; 2 months; \$4,735

SYRACUSE UNIVERSITY, Syracuse, N.Y.; James A. Luker; 3 months; \$9,570

UNIVERSITY OF CALIFORNIA, Berkeley; Robert A. Rice; 2 months; \$24,250

UNIVERSITY OF COLORADO, Boulder; Albert A. Bartlett; 1 year; \$20,500

Bert M. Tolbert; 1 year; \$26,750

UNIVERSITY OF DELAWARE, Newark; Leonard Skolnick; 2 months; \$5,000

UNIVERSITY OF FLORIDA, Gainesville; Stanley S. Ballard; 2 months; \$16,000

Wallace S. Brey, Jr.; 2 months; \$16,000

UNIVERSITY OF GEORGIA, Athens; W. J. Payne; 2 months; \$10,000

UNIVERSITY OF ILLINOIS, Urbana; F. R. Steggerda; 2 months; \$17,680

UNIVERSITY OF MARYLAND, College Park; John S. Toll; 2 months; \$26,500

UNIVERSITY OF MASSACHUSETTS, Amherst; Edward L. Davis; 2 months; \$7,660

UNIVERSITY OF MICHIGAN, Ann Arbor; Robert Isaacson; 2 months; \$27,500

UNIVERSITY OF MISSISSIPPI, University; Russell W. Maatman; 2 months; \$21,305

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Homer C. Folks, Raleigh; 3 months; \$47,250

T. Ewald Maki, Raleigh; 2 months; \$7,500

UNIVERSITY OF NORTH DAKOTA, Grand Forks; A. W. Johnson; 2 months; \$3,620

UNIVERSITY OF OKLAHOMA, Norman; Richard V. Andree; 2 months; \$40,000

H. H. Bliss; 2 months; \$23,675

Carl D. Riggs; 2 months; \$10,050

UNIVERSITY OF TENNESSEE, Knoxville; William E. Bull; 3 months; \$28,825

UNIVERSITY OF TEXAS, Austin; Harold C. Bold; 2 months; \$17,330

UNIVERSITY OF WISCONSIN, Madison; Robert W. Finley; 2 months; \$22,550

VIRGINIA INSTITUTE OF MARINE SCIENCE, Gloucester Point; Robert S. Bailey; 3 months; \$22,430

RESEARCH PARTICIPATION FOR HIGH SCHOOL TEACHERS PROGRAM

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH INCORPORATED, Yonkers, N.Y.; Lawrence P. Miller; 1 year; \$12,430

CITY COLLEGE, New York, N.Y.; Chester B. Kremer; 11 months; \$16,340

CLARK UNIVERSITY, Worcester, Mass.; Roy S. Anderson; 11 months; \$7,350

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Merle G. Payne; 11 months; \$27,400

COLLEGE OF WOOSTER, Wooster, Ohio; John D. Reinheimer; 1 year; \$9,160

GEORGE WASHINGTON CARVER FOUNDATION, Tuskegee Institute, Ala.; Clarence T. Mason; 2 months; \$11,020

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Werner W. Brandt; 12 months; \$16,310

INDIANA UNIVERSITY FOUNDATION, Bloomington; L. S. McClung; 11 months; \$8,550

IOWA STATE UNIVERSITY, Ames; C. C. Bowen; 11 months; \$31,300

KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 1 year; \$23,960

MARQUETTE UNIVERSITY, Milwaukee, Wis.; Raymond A. Bourlique; 2 months; \$7,720

NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; James A. Bradley; 11 months; \$19,800

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; E. Gerald Meyer; 11 months; \$12,000

NEW YORK UNIVERSITY, New York; John P. Nielsen; 2 months; \$9,400

NORTH DAKOTA STATE UNIVERSITY, Fargo; J. A. Callenbach; 11 months; \$23,660
Ray L. McDonald; 2 months; \$5,790

NORTH TEXAS STATE UNIVERSITY, Denton; Robert C. Sherman; 12 months; \$22,270

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 12 months; \$20,235

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Samuel C. Wait, Jr.; 2 months; \$19,300

ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; Paul T. Medici; 2 months; \$21,230

STANFORD UNIVERSITY, Stanford, Calif.; O. Cutler Shepard; 11 months; \$16,440

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; George P. Scott; 1 year; \$22,650

TEXAS WOMEN'S UNIVERSITY, Denton; Lyman R. Caswell; 11 months; \$6,340

U.S. NAVY ELECTRONICS LABORATORY, San Diego, Calif.; R. W. Young; 11 months; \$14,500

UNIVERSITY OF ARIZONA, Tucson; Jefferson C. Davis; 11 months; \$26,800

UNIVERSITY OF CALIFORNIA, Berkeley; E. R. Parker; 11 months; \$41,050
R. L. Thornton; 2 months; \$42,000

UNIVERSITY OF HAWAII, Honolulu; Harry Zeitlin; 2 months; \$11,850

UNIVERSITY OF MISSISSIPPI, University; Barton Milligan; 11 months; \$10,475

UNIVERSITY OF NORTH DAKOTA, Grand Forks; Francis A. Jacobs; 1 year; \$3,920

UNIVERSITY OF OKLAHOMA, Norman; Doyle E. Anderegg; 11 months; \$17,240
Carl D. Riggs; 11 months; \$15,230

UNIVERSITY OF THE PACIFIC, Stockton, Calif.; Joel W. Hedgpath; 1 year; \$13,420

UNIVERSITY OF RHODE ISLAND, Kingston; Eugene C. Winslow; 2 months; \$14,240

UNIVERSITY OF VERMONT, Burlington; Howard M. Smith, Jr.; 11 months; \$12,530

UNIVERSITY OF WISCONSIN, Madison; Donald H. Bucklin; 11 months; \$45,800

WAYNE STATE UNIVERSITY, Detroit, Mich.; John P. Oliver; 2 months; \$10,860

SCIENTIFIC MANPOWER STUDIES

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *Analysis of Education and Manpower Data in Physics*; 1 year; \$23,580

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, Washington, D.C.; Ralph C. M. Flynt; *1962 Survey of Students Enrolled for Advanced Degrees*; 1 year; \$10,000

Herbert H. Rosenberg; *Study of 1964 Graduating Classes*; 18 months; \$50,000

Ralph C. M. Flynt; *Status and Career Orientation of College Faculty 1962-63*; 15 months; \$20,800

MIDDLE EAST INSTITUTE, Washington, D.C.; Fahim I. Qubain; *The Employment and Training of Scientists and Engineers in the Middle East*; 27 months; \$17,675

NATIONAL SCIENCE TEACHERS ASSOCIATION, Washington, D.C.; Robert H. Carleton; *1963-64 Registry of High School Science and Mathematics Teachers*; 12 months; \$47,400

UNIVERSITY OF MARYLAND, College Park; Howard Laster; *Scientific and Technical Manpower Resources in Space Sciences and Technology in the U.S.S.R.—A Pilot Project*; 1 year; \$23,700

STATE ACADEMIES OF SCIENCE PROGRAM

ALABAMA ACADEMY OF SCIENCE, Mobile; Ruric E. Wheeler, Howard College, Birmingham; 9 months; \$11,500

ARIZONA ACADEMY OF SCIENCE, Flagstaff; David T. Smith, Tucson Public Schools; 9 months; \$3,305

Chester R. Leathers, Arizona State University, Tempe; 9 months; \$15,155

ARKANSAS ACADEMY OF SCIENCE, Conway; William R. Orton, University of Arkansas, Fayetteville; 9 months; \$6,060

CHICAGO ACADEMY OF SCIENCES, Ill.; William J. Beecher; 9 months; \$8,000

CITY UNIVERSITY OF NEW YORK, New York, N.Y.; James N. Eastham, Queensborough Community College, Bayside; 9 months; \$6,990

COLORADO-WYOMING ACADEMY OF SCIENCE, Greeley, Colo.; Richard G. Beldeman, Colorado College, Colorado Springs; 9 months; \$4,420

ENGINEERING AND TECHNICAL SOCIETIES COUNCIL OF DELAWARE VALLEY, Philadelphia, Pa.; F. Reintz; 9 months; \$2,000

FLORIDA ACADEMY OF SCIENCES, Coral Gables; Paul A. Vestal, Rollins College, Winter Park; 9 months; \$13,000

FRANKLIN INSTITUTE, Philadelphia, Pa.; Robert W. Neathery; 9 months; \$2,485

HAWAIIAN ACADEMY OF SCIENCE, Honolulu; Albert B. Carr, University of Hawaii, Honolulu; 9 months; \$4,220

Wallace G. Sanford, Pineapple Research Institute, Honolulu; 9 months; \$15,065

IDAHO ACADEMY OF SCIENCE, Moscow; Elmer K. Raunio, University of Idaho, Moscow; 9 months; \$13,135

INDIANA ACADEMY OF SCIENCE, Bloomington, William G. Kessel, Indiana State College, Terre Haute; 9 months; \$14,295

IOWA ACADEMY OF SCIENCE, INC., Pella; T. R. Porter, State University of Iowa, Iowa City; 9 months; \$20,370

KANSAS SENIOR ACADEMY OF SCIENCE, Manhattan; Margaret Parker, Kansas State College, Pittsburg; 9 months; \$17,000

LOUISIANA STATE UNIVERSITY, Baton Rouge; Harry J. Bennett; 9 months; \$8,410

Harry J. Bennett; 9 months; \$13,900

MARYLAND ACADEMY OF SCIENCES, Baltimore; Nigel O'C. Wolf; 9 months; \$3,760

Nigel O'C. Wolf; 9 months; \$16,110

Nigel O'C. Wolf; 9 months; \$2,475

Nigel O'C. Wolf; 9 months; \$2,740

MICHIGAN ACADEMY OF SCIENCE, ARTS AND LETTERS, Bloomfield Hills; Wayne Taylor, Michigan State University, East Lansing; 9 months; \$5,235

Wayne Taylor, Michigan State University, East Lansing; 9 months; \$17,800

MINNESOTA ACADEMY OF SCIENCE, Minneapolis; Robert L. Evans; 9 months; \$6,785

Robert L. Evans; 9 months; \$2,530

MISSISSIPPI ACADEMY OF SCIENCE, University; Clyde Q. Sheely, Mississippi State University, State College; 9 months; \$22,770

MONTANA ACADEMY OF SCIENCES, Bozeman; John P. Robinson, Missoula; 9 months; \$7,665

MUSEUM OF ART, SCIENCE AND INDUSTRY, Bridgeport, Conn.; Augusta Mendel; 15 months; \$9,845

NEBRASKA ACADEMY OF SCIENCES, INC., Lincoln; James A. Rutledge, University of Nebraska, Lincoln; 9 months; \$13,950

NEW MEXICO ACADEMY OF SCIENCE, Albuquerque; Joseph A. Schuffe, New Mexico Institute of Mining and Technology, Socorro; 9 months; \$10,045

NORTH CAROLINA ACADEMY OF SCIENCE, Durham; Grover C. Miller, North Carolina State College, Raleigh; 9 months; \$7,375

Herbert E. Speece, North Carolina State College, Raleigh; 17 months; \$11,180

NORTHERN NEW ENGLAND ACADEMY OF SCIENCE, Hanover, N.H.; Allen L. King, Dartmouth College, Hanover; 9 months; \$13,500

Howard I. Wagner, New Hampshire Department of Education; 9 months; \$4,000

OHIO ACADEMY OF SCIENCE, Cincinnati; William A. Manuel, Ohio Wesleyan University, Delaware; 9 months; \$26,000

OKLAHOMA ACADEMY OF SCIENCE, Tulsa; Robert C. Flite, Oklahoma State University, Stillwater; 9 months; \$6,265

J. Teague Self, University of Oklahoma, Norman; 9 months; \$12,290

J. Teague Self, University of Oklahoma, Norman; 9 months; \$1,035

OREGON ACADEMY OF SCIENCE, Corvallis; John T. Van Bruggen, University of Oregon Medical School, Portland; 9 months; \$7,935

PENNSYLVANIA ACADEMY OF SCIENCE, University Park; Charles L. Bikle, Milton Hershey School, Hershey, Pa.; 9 months; \$7,990

Albert F. Eliss, Department of Public Instruction, Harrisburg, Pa.; 9 months; \$4,505

SOUTH DAKOTA ACADEMY OF SCIENCE, Rapid City; Theodore Van Bruggen, State University of South Dakota, Vermillion; 9 months; \$3,040

Theodore Van Bruggen, State University of South Dakota, Vermillion; 9 months; \$1,940

Theodore Van Bruggen, State University of South Dakota, Vermillion; 9 months; \$2,945

Theodore Van Bruggen, State University of South Dakota, Vermillion; 9 months; \$9,540

TENNESSEE ACADEMY OF SCIENCE, Martin; Myron S. McCay, University of Chattanooga; 9 months; \$10,505

Albert L. Myers, Carson-Newman College, Jefferson City; 9 months; \$4,650

William R. Rusk, University of Tennessee, Knoxville; 9 months; \$12,530

TEXAS ACADEMY OF SCIENCE, Galveston; Charles LaMotte, A & M College of Texas, College Station; 9 months; \$10,465

Addison E. Lee, University of Texas, Austin; 9 months; \$23,295

UNIVERSITY OF MISSOURI, Columbia, Clayton H. Johnson; 9 months; \$10,900

UNIVERSITY OF PUERTO RICO, Rio Piedras; Herminio Lugo Lugo; 9 months; \$20,355

UTAH ACADEMY OF SCIENCES, ARTS AND LETTERS, Salt Lake City; Orson Whitney Young, Weber College, Ogden; 9 months; \$14,720

VIRGINIA JUNIOR ACADEMY OF SCIENCE, Richmond; William W. Scott, Virginia Polytechnic Institute, Blacksburg; 9 months; \$9,725

WASHINGTON ACADEMY OF SCIENCES, Washington, D.C.; John K. Taylor, National Bureau of Standards, Washington; 9 months; \$6,990

John K. Taylor, National Bureau of Standards, Washington; 9 months; \$900

John K. Taylor, National Bureau of Standards, Washington; 9 months; \$7,985

WEST VIRGINIA ACADEMY OF SCIENCE, Bethany; Arthur B. Gould, West Virginia Wesleyan College, Buckhannon; 9 months; \$6,100

SUMMER CONFERENCES FOR COLLEGE TEACHERS

AMERICAN UNIVERSITY, Washington, D.C.; Matthew F. Norton; 14 days; \$16,100

CARLETON COLLEGE, Northfield, Minn.; Kenneth W. Wegner; 25 days; \$16,475

COLORADO STATE UNIVERSITY, Fort Collins; Ferdinand Baer; 1 month; \$19,400

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Donald R. Wood; 1 month; \$15,185

DARTMOUTH COLLEGE, Hanover, N.H.; Allen L. King; 20 days; \$18,000

DUKE UNIVERSITY, Durham, N.C.; F. John Vernberg, Beaufort; 9 days; \$10,200

INSTITUTE FOR PAPER CHEMISTRY, Appleton, Wis.; Elwood O. Dillingham; 12 days; \$13,800

MARQUETTE UNIVERSITY, Milwaukee, Wis.; John E. Kelley; 19 days; \$16,600

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Kenneth M. McMillin; 19 days; \$7,600

James M. Nellson; 18 days; \$19,500

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; M. Gordon Howat; 12 days; \$7,800

NEW MEXICO STATE UNIVERSITY, University Park; J. W. Clark; 24 days; \$24,700

NORTHWESTERN UNIVERSITY, Evanston, Ill.; William L. Garrison; 14 days; \$15,900

OHIO STATE UNIVERSITY, Columbus; Devon W. Meek; 12 days; \$14,800

OHIO WESLEYAN UNIVERSITY, Delaware; Thomas S. Oey; 12 days; \$20,800

POMONA COLLEGE, Claremont, Calif.; John E. Quinlan; 12 days; \$12,200

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Benjamin H. Davis; 13 days; \$14,900

SETON HALL UNIVERSITY, South Orange, N.J.; Richard F. Gabriel; 20 days; \$18,500

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Joe P. Harris, Jr.; 20 days; \$16,700

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Theodore Gela; 19 days; \$12,700

TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; 12 days; \$13,480

UNIVERSITY OF ARIZONA, Tucson; Donald L. Webb; 19 days; \$17,985

UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 20 days; \$17,400

UNIVERSITY OF COLORADO, Boulder; Malcolm Correll; 26 days; \$24,000

UNIVERSITY OF ILLINOIS, Urbana; Howard V. Malmstadt; 21 days; \$24,800

UNIVERSITY OF MIAMI, Coral Gables, Fla.; Emmet F. Low, Jr.; 26 days; \$16,700

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Victor A. Greulich; 19 days; \$15,400

UNIVERSITY OF OKLAHOMA, Norman; Richard V. Andree; 27 days; \$25,800

UNIVERSITY OF PUERTO RICO, Rio Piedras; Herminio Lugo Lugo; 1 month; \$18,888

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Robert D. Vold; 16 days; \$16,440

UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 27 days; \$23,700

UNIVERSITY OF VERMONT, Burlington; Clinton D. Cook; 12 days; \$12,700

UNIVERSITY OF WASHINGTON, Seattle; W. Ryland Hill; 5 days; \$5,975

VANDERBILT UNIVERSITY, Nashville, Tenn.; B. F. Bryant; 24 days; \$16,400

WAYNE STATE UNIVERSITY, Detroit, Mich.; Willard H. Parsons; 20 days; \$21,800

SUMMER INSTITUTES FOR COLLEGE TEACHERS

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; J. H. Caddess; 9 months; \$53,300

Robert G. Cochran; 2 months; \$17,400

Bill C. Moore; 2 months; \$24,000

J. G. Potter; 3 months; \$42,600

AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 2 months; \$51,105

AUBURN UNIVERSITY, Auburn, Ala.; L. P. Burton; 3 months; \$34,750

ARIZONA STATE UNIVERSITY, Tempe; Robert L. Burgess; 2 months; \$39,900

BELOIT COLLEGE, Beloit, Wis.; Sumner C. Hayward; 2 months; \$35,010

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; John R. Coash; 2 months; \$41,600

CLAREMONT GRADUATE SCHOOL, Claremont, Calif.; S. Leonard Dart; 2 months; \$30,568

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Milton E. Bender; 2 months; \$36,300

DUKE UNIVERSITY, Durham, N.C.; F. John Vernberg; 1 month; \$15,120

EMORY UNIVERSITY, Atlanta, Ga.; William H. Jones; 2 months; \$43,300

HOFSTRA COLLEGE, Hempstead, N.Y.; Harold E. Clearman; 2 months; \$12,200

LOUISIANA STATE UNIVERSITY, Baton Rouge; Robert V. Nauman; 2 months; \$17,300

Harry D. Richardson; 2 months; \$25,500

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Kenneth M. McMillin; 3 months; \$36,700

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; James K. Koehler; 2 months; \$29,225

NEW YORK UNIVERSITY, New York; Joseph D. Gettler; 2 months; \$44,800

OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, Oak Ridge, Tenn.; Ralph T. Overman; 2 months; \$17,000

Ralph T. Overman; 2 months; \$17,600

Ralph T. Overman; 2 months; \$19,200

Ralph T. Overman; 1 month; \$6,100

OHIO STATE UNIVERSITY, Columbus; William R. Riley; 2 months; \$34,500

OKLAHOMA STATE UNIVERSITY, Stillwater; J. H. Boggs; 2 months; \$53,400

Jan J. Tuma; 2 months; \$59,300

OREGON STATE UNIVERSITY, Corvallis; A. V. Logan; 2 months; \$450

PENNSYLVANIA STATE UNIVERSITY, University Park; B. W. Niebel; 1 month; \$38,500

Martin W. Schein; 2 months; \$45,400

RENSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; V. Lawrence Parsegian; 2 months; \$22,800

Frank A. Valente; 2 months; \$19,000

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Joshua Barlaz; 2 months; \$58,600

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; Marion T. Bird; 2 months; \$40,150

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 2 months; \$42,100

SYRACUSE UNIVERSITY, Syracuse, N.Y.; M. W. Jennison; 2 months; \$14,500

TEXAS WOMAN'S UNIVERSITY, Denton; Helen A. Ludeman; 2 months; \$19,000

TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; 2 months; \$25,300

TULANE UNIVERSITY, New Orleans, La.; John K. Hampton, Jr.; 2 months; \$19,000

UNIVERSITY OF CALIFORNIA, Berkeley; George Jura; 2 months; \$22,800

Daniel J. Crowley, Davis; 2 months; \$43,900

E. Ward Cheney, Los Angeles; 2 months; \$70,200

UNIVERSITY OF COLORADO, Boulder; James Chinn; 3 months; \$59,000

John Greenway; 3 months; \$69,509

B. E. Lauer; 2 months; \$53,800

UNIVERSITY OF GEORGIA, Athens; John Jewett; 3 months; \$30,950

UNIVERSITY OF HOUSTON, Tex.; Herbert H. Curry; 2 months; \$52,800

UNIVERSITY OF ILLINOIS, Urbana; Joseph Landin; 3 months; \$76,348

UNIVERSITY OF KANSAS, Lawrence; Arnold A. Strassenburg; 3 months; \$48,100

UNIVERSITY OF MICHIGAN, Ann Arbor; Lloyd E. Brownell; 2 months; \$22,800

Claire J. Shellabarger; 2 months; \$14,500

UNIVERSITY OF MISSOURI, Columbia; Karl H. Evans; 2 months; \$52,500

Ralph E. Lee, Rolla; 2 months; \$37,800

UNIVERSITY OF NEW MEXICO, Albuquerque; James R. Barton; 2 months; \$51,700

Loren D. Potter; 2 months; \$12,900

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; H. D. Crockford; 2 months; \$35,100

H. F. Robinson; 2 months; \$43,200

UNIVERSITY OF NOTRE DAME, Ind.; Edward W. Jerger; 2 months; \$40,725

UNIVERSITY OF OKLAHOMA, Norman; George W. Reid; 2 months; \$22,800

Thomas M. Smith; 2 months; \$40,300

UNIVERSITY OF TENNESSEE, Knoxville; Isabel H. Tipton; 2 months; \$22,800

UNIVERSITY OF WASHINGTON, Seattle; J. E. Colcord, Jr.; 2 months; \$35,200

John C. Sherman; 2 months; \$28,500

WEST VIRGINIA UNIVERSITY, Morgantown; Charles R. Jenkins; 2 months; \$33,800

WILLIAMS COLLEGE, Williamstown, Mass.; William C. Grant, Jr.; 2 months; \$46,300

SUMMER INSTITUTES FOR SECONDARY SCHOOL AND COLLEGE TEACHERS

INDIANA UNIVERSITY FOUNDATION, Bloomington; L. S. McClung; 1 month; \$29,200

MONTANA STATE COLLEGE, Bozeman, Rod J. O'Connor; 1 month; \$56,300

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE, Arthur Osol; 2 months; \$20,300

PRINCETON UNIVERSITY, Princeton, N.J.; Charles L. Taggart; 2 months; \$49,000

UNIVERSITY OF HAWAII, Honolulu; Sidney C. Hsiao; 2 months; \$14,500

UNIVERSITY OF KANSAS, Lawrence; G. Baley Price; 2 months; \$97,700

TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; James H. M. Henderson; 2 months; \$19,000

UNIVERSITY OF WASHINGTON, Seattle; Arthur D. Welander; 2 months; \$38,000

SUMMER INSTITUTES FOR SECONDARY SCHOOL TEACHERS

ADLER PLANETARIUM AND ASTRONOMICAL MUSEUM, Chicago, Ill.; Robert I. Johnson; 1 month; \$46,000

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Melvin C. Schroeder; 3 months; \$68,200

R. E. Stevenson; 1 month; \$24,200

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; Gerald A. Edwards; 2 months; \$60,000

Gerald A. Edwards; 2 months; \$64,300

Artis P. Graves; 2 months; \$72,100

ALABAMA AGRICULTURAL AND MECHANICAL COLLEGE, Normal; Winfred Thomas; 3 months; \$44,800

ALABAMA COLLEGE, Montavallo; Paul C. Bailey; 3 months; \$95,300

ALAMEDA COUNTY STATE COLLEGE FOUNDATION, Hayward, Calif.; C. Richard Purdy; 2 months; \$41,900

ALBANY STATE COLLEGE, Albany, Ga.; William E. Johnson, Jr.; 2 months; \$51,000

ALFRED UNIVERSITY, Alfred, N.Y.; E. Gordon Ogden; 2 months; \$58,400

AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 2 months; \$59,800

ANDREWS UNIVERSITY, Berrien Springs, Mich.; Harold T. Jones; 2 months; \$29,600

ANTIOCH COLLEGE, Yellow Springs, Ohio; James F. Corwin; 2 months; \$96,100

APPALACHIAN STATE TEACHERS COLLEGE, Boone, N.C.; J. Frank Randall; 2 months; \$57,900

ARIZONA STATE COLLEGE, Flagstaff; John H. Chilcott; 2 months; \$45,700

ARIZONA STATE UNIVERSITY, Tempe; George M. Bateman; 2 months; \$52,600

Lehi T. Smith; 2 months; \$44,600

Alan T. Wager; 2 months; \$65,100

ATLANTA UNIVERSITY, Atlanta, Ga.; K. A. Huggins; 2 months; \$64,700

AUBURN UNIVERSITY, Auburn, Ala.; R. K. Butz; 3 months; \$58,300

AUGUSTANA COLLEGE, Sioux Falls, S. Dak.; Richard W. Forman; 2 months; \$47,300

BALDWIN-WALLACE COLLEGE, Berea, Ohio; Dean L. Robb; 2 months; \$40,800

BALL STATE TEACHERS COLLEGE, Muncie, Ind.; Jerry J. Nisbet; 3 months; \$76,700

BAYLOR UNIVERSITY, Waco, Tex.; Bryce C. Brown; 2 months; \$79,000

BEMIDJI STATE COLLEGE, Bemidji, Minn.; William G. Britton; 2 months; \$14,500

BETHANY COLLEGE, Bethany, W. Va.; Bradford Tye; 2 months; \$57,600

BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Wiley S. Rogers; 2 months; \$79,500

BOSTON COLLEGE, Chestnut Hill, Mass.; Walter J. Fimlan, Jr.; 2 months; \$13,600

William G. Guldon; 2 months; \$32,000

BOSTON UNIVERSITY, Mass.; J. D. Barton, Jr.; 2 months; \$42,440

BOWDOIN COLLEGE, Brunswick, Maine; Alton H. Gustafson; 2 months; \$40,200

Reinhard L. Korgen; 2 months; \$54,400

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 3 months; \$40,200

BRADLEY UNIVERSITY, Peoria, Ill.; A. Wayne McGaughey; 2 months; \$43,200

BRIGHAM YOUNG UNIVERSITY, Provo, Utah; Lane A. Compton; 2 months; \$9,000

BROWN UNIVERSITY, Providence, R.I.; Leal-
lyn B. Clapp; 2 months; \$45,600
Elmer R. Smith; 2 months; \$59,500

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Les-
ter Kleft; 2 months; \$66,500

CAPITAL UNIVERSITY, Columbus, Ohio; Carl
F. Slevert; 2 months; \$37,700

CARLETON COLLEGE, Northfield, Minn.; Dun-
can Stewart; 2 months; \$47,900
Kenneth W. Wegner; 2 months; \$53,750

CASE INSTITUTE OF TECHNOLOGY, Cleveland,
Ohio; Paul E. Guenther; 2 months; \$62,200

CATHOLIC UNIVERSITY OF AMERICA, Wash-
ington, D.C.; Raymond W. Moller; 2 months;
\$53,000

CATHOLIC UNIVERSITY OF PUERTO RICO, Santa
María, Ponce; Joseph Frohnhoefer; 2
months; \$39,500

CENTRAL CONNECTICUT STATE COLLEGE, New
Britain; Richard L. Mentzer; 2 months;
\$51,200

CENTRAL MICHIGAN UNIVERSITY, Mount
Pleasant; Carl A. Scheel; 2 months;
\$42,300
Lester H. Serler; 2 months; \$76,500

CENTRAL MISSOURI STATE COLLEGE, Warrens-
burg; Sam P. Hewitt; 3 months; \$91,400

CHICAGO PARK DISTRICT FOR THE ADLER
PLANETARIUM AND ASTRONOMICAL MUSEUM,
Ill.; Robert I. Johnson; 2 months; \$46,000

CITY COLLEGE, New York, N.Y.; Chester B.
Kremer; 2 months; \$50,700

CLAFLIN COLLEGE, Orangeburg, S.C.; Hamp-
ton D. Smith; 2 months; \$48,300

CLAREMONT GRADUATE SCHOOL, Claremont,
Calif.; Graham B. Bell; 2 months; \$41,000

CLARKSON COLLEGE OF TECHNOLOGY, Pots-
dam, N.Y.; F. Gordon Lindsey; 2 months;
\$97,200

COLBY COLLEGE, Waterville, Maine; Evans
B. Reid; 2 months; \$84,600

COLGATE UNIVERSITY, Hamilton, N.Y.; Carl
W. Munshower; 2 months; \$49,900
Oran B. Stanley; 2 months; \$60,800

COLLEGE OF ST. THOMAS, St. Paul, Minn.;
Martin Allen; 2 months; \$48,600

COLLEGE OF THE HOLY CROSS, Worcester,
Mass.; Robert B. MacDonnell; 2 months;
\$57,000
Vincent O. McBrien; 2 months; \$55,500

COLLEGE OF WILLIAM AND MARY, Williams-
burg, Va.; Melvin A. Pittman; 2 months;
\$120,600

COLORADO COLLEGE, Colorado Springs; Rich-
ard G. Beldleman; 2 months; \$90,800
Richard G. Beldleman; 2 months; \$43,900

COLORADO SCHOOL OF MINES, Golden; James
L. Hall; 2 months; \$47,900

COLORADO STATE COLLEGE, Greeley; Bert O.
Thomas; 3 months; \$80,800
William D. Derbyshire; 2 months; \$38,000

COLORADO STATE UNIVERSITY RESEARCH
FOUNDATION, Fort Collins; Ralph H. Nie-
mann; 2 months; \$54,000
Edward B. Reed; 2 months; \$52,700
George H. Splittgerber; 2 months; \$34,300

COLUMBIA COLLEGE, Columbia, S.C.; Philip
E. Graef; 2 months; \$63,900

CORNELL UNIVERSITY, Ithaca, N.Y.; R. Wil-
liam Shaw; 2 months; \$71,200

DENISON UNIVERSITY, Granville, Ohio;
Robert A. Roberts; 2 months; \$48,600

DEPAUW UNIVERSITY, Greencastle, Ind.;
Clinton B. Gass; 2 months; \$42,500

DILLARD UNIVERSITY, New Orleans, La.;
Jan Hamer; 2 months; \$38,800

DRAKE UNIVERSITY, Des Moines, Iowa; Le-
land P. Johnson; 2 months; \$73,900
Phillip S. Riggs; 2 months; \$70,500

DREW UNIVERSITY, Madison, N.J.; Bernard
Greenspan; 2 months; \$47,300

DUKE UNIVERSITY, Durham, N.C.; Thomas
D. Reynolds; 2 months; \$139,600

EARLHAM COLLEGE, Richmond, Ind.; Murvel
R. Garner; 2 months; \$35,100

EAST CAROLINA COLLEGE, Greenville, N.C.;
Frank W. Eller; 2 months; \$42,800

EASTERN ILLINOIS UNIVERSITY, Charleston;
Weldon N. Baker; 2 months; \$78,600

EASTERN KENTUCKY STATE COLLEGE, Rich-
mond; Darnell Salyer; 2 months; \$45,800

EASTERN MICHIGAN UNIVERSITY, Ypsilanti;
James M. Barnes; 2 months; \$64,700

EASTERN NEW MEXICO UNIVERSITY, Portales;
Ruth B. Thomas; 2 months; \$84,300

EMORY UNIVERSITY, Atlanta, Ga.; Trevor
Evans; 2 months; \$51,700

FISK UNIVERSITY, Nashville, Tenn.; Edward
L. Maxwell; 2 months; \$83,300

FLORIDA STATE UNIVERSITY, Tallahassee;
J. Stanley Marshall; 2 months; \$79,200
Sherwood M. Reichard; 2 months; \$19,
000
James E. Snover; 2 months; \$42,300

FORDHAM UNIVERSITY, New York, N.Y.; Fred-
erick L. Canavan; 2 months; \$44,000

FORT HAYS KANSAS STATE COLLEGE, Hays;
W. Toalson; 2 months; \$53,000

FRANKLIN AND MARSHALL COLLEGE, Lancas-
ter, Pa.; Frank D. Ebeck; 2 months; \$62,500
Bernard Jacobson; 2 months; \$40,000
Marvin E. Kauffman; 2 months; \$42,900

FREDERIC BURK FOUNDATION FOR EDUCATION,
San Francisco, Calif.; Peter F. Buri; 2
months; \$51,600
James S. Perlman; 2 months; \$36,600

FRESNO STATE COLLEGE, Fresno, Calif.; Doris
F. Falk; 2 months; \$46,400
Anthony E. Lebarre, Jr.; 2 months; \$33,
800

FURMAN UNIVERSITY, Greenville, S.C.; J. A.
Southern; 2 months; \$56,600

GEORGE PEABODY COLLEGE FOR TEACHERS,
Nashville, Tenn.; H. Craig Sipe; 3 months,
\$130,100
H. Craig Sipe; 3 months; \$80,200

GEORGETOWN UNIVERSITY, Washington, D.C.;
Malcolm W. Oliphant; 2 months; \$52,000
Matthew P. Thekaekara; 2 months; \$49,
300

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta;
James A. Stanfield; 2 months; \$33,900

GRAMBLING COLLEGE, Grambling, La.; Jo-
seph L. Harrison; 2 months; \$49,100

HAMILTON COLLEGE, Clinton, N.Y.; C. Stan-
ley Oglivy; 2 months; \$52,100

HAMPTON COLLEGE, Hampton, Va.; Victor
H. Fields; 2 months; \$58,800

HOWARD PAYNE COLLEGE, Brownwood, Tex.; Leonard R. Daniel; 2 months; \$49,200
HOWARD UNIVERSITY, Washington, D.C.; Marie C. Taylor; 2 months; \$52,900
HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; William M. Lanphere; 2 months; \$79,400
HUSTON-TILLOTSON COLLEGE, Austin, Tex.; J. H. Morton; 2 months; \$51,900
IDAHO STATE COLLEGE, Pocatello; John Hilz- man; 2 months; \$62,900
ILLINOIS INSTITUTE OF TECHNOLOGY, Chi- cago; Halm Reingold; 2 months; \$106,900
ILLINOIS WESLEYAN UNIVERSITY, Bloomington; Wayne W. Wantland; 2 months; \$71,- 800
INCARNATE WORD COLLEGE, San Antonio, Tex.; Sister Claude Marie; 2 months; \$28,- 500
INDIANA STATE COLLEGE, Indiana, Pa.; Ralph R. Booth; 2 months; \$82,700
INDIANA UNIVERSITY FOUNDATION, Bloomington; Judson Mead; 2 months; \$38,600
 T. G. Perry; 2 months; \$34,400
 Frederic C. Schmidt; 2 months; \$52,900
 Marie S. Wilcox; 2 months; \$53,400
 Frank Jacob Zeller; 2 months; \$40,100
IOWA STATE UNIVERSITY, Ames; Orlando C. Kreider; 2 months; \$81,800
JACKSON STATE COLLEGE, Jackson, Miss.; Wilbert Greenfield; 2 months; \$35,000
JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; William Kelso Morrill, Sr.; 2 months; \$65,050
JUNIATA COLLEGE, Huntingdon, Pa.; David M. Hercules; 2 months; \$40,800
KANSAS STATE COLLEGE OF PITTSBURG; Marg- aret B. Parker; 2 months; \$53,800
 R. G. Smith; 2 months; \$77,700
KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 3 months; \$228,000
KANSAS STATE UNIVERSITY, Manhattan; J. R. Chelkowsky; 2 months; \$55,600
 Leonard E. Fuller; 2 months; \$60,500
KENT STATE UNIVERSITY, Kent, Ohio; Ken- neth B. Cummins; 2 months; \$66,600
KENTUCKY RESEARCH FOUNDATION, Lexing- ton; John M. Carpenter; 2 months; \$92,800
KNOX COLLEGE, Galesburg, Ill.; Herbert Priestley; 2 months; \$60,800
 Rothwell Stephens; 2 months; \$49,800
LAFAYETTE COLLEGE, Easton, Pa.; B. E. Rhoades; 2 months; \$51,900
LEHIGH UNIVERSITY, Bethlehem, Pa.; Clar- ence A. Shook; 2 months; \$49,200
LORETTO HEIGHTS COLLEGE, Loretto, Colo.; Jeanne d'Arc; 2 months; \$47,100
LOS ANGELES STATE COLLEGE FOUNDATION, Calif.; R. J. Diamond; 2 months; \$35,800
LOUISIANA STATE UNIVERSITY, Baton Rouge; Benjamin E. Mitchell; 2 months; \$59,400
 Robert V. Nauman; 2 months; \$58,100
 Hulen B. Williams; 2 months; \$45,900
MACALESTER COLLEGE, St. Paul, Minn.; Russell B. Hastings; 2 months; \$72,900
MARQUETTE UNIVERSITY, Milwaukee, Wis.; Raymond A. Bournique; 2 months; \$53,200
 L. J. Heider; 2 months; \$35,500
MARSHALL FOUNDATION, Huntington, W. Va.; Donald C. Martin; 3 months; \$78,960
MEMPHIS STATE UNIVERSITY, Memphis, Tenn.; J. W. Fox; 2 months; \$77,400
MIAMI UNIVERSITY, Oxford, Ohio; Lyman C. Peck; 2 months; \$38,800
 Bruce V. Weidner; 2 months; \$97,600
MICHIGAN COLLEGE OF MINING & TECH- NOLOGY, Houghton; D. O. Wyble; 2 months; \$51,900
MICHIGAN STATE UNIVERSITY, East Lansing; C. N. McCarty; 2 months; \$49,350
 T. Wayne Porter; 3 months; \$100,400
MIDDLE TENNESSEE STATE COLLEGE, Mur- freesboro; J. Eldred Wisser; 3 months; \$107,600
MILLERSVILLE STATE COLLEGE, Millersville, Pa.; William B. McIlwaine; 2 months; \$32,600
MISSISSIPPI STATE UNIVERSITY, State Col- lege; Clyde Q. Sheely; 3 months; \$122,800
MONTANA STATE COLLEGE, Bozeman; Henry E. Gerry; 3 months; \$47,500
 William G. Walter; 1 month; \$29,900
MONTANA STATE UNIVERSITY, Missoula; Wil- liam M. Myers; 3 months; \$76,200
 Sherman J. Preece, Jr.; 3 months; \$82,100
MORGAN STATE COLLEGE, Baltimore, Md.; Thomas P. Fraser; 2 months; \$65,200
MUNICIPAL UNIVERSITY OF OMAHA, Nebr.; Merle E. Brooks; 2 months; \$67,900
MURRAY STATE COLLEGE FOUNDATION, Mur- ray, Ky.; Walter E. Blackburn; 2 months; \$63,700
NEBRASKA WESLEYAN UNIVERSITY, Lincoln; Walter R. French, Jr.; 2 months; \$65,300
NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; Galen W. Ewing; 1 month; \$34,400
 Clarence G. Stuckwisch; 3 months; \$82,400
NEW MEXICO STATE UNIVERSITY, University Park; E. L. Cleveland; 2 months; \$53,800
NORTH CAROLINA COLLEGE AT DURHAM; James S. Lee; 2 months; \$76,500
NORTH DAKOTA STATE UNIVERSITY, Fargo; F. L. Minnear; 2 months; \$95,000
NORTH TEXAS STATE UNIVERSITY, Denton; Robert C. Sherman; 3 months; \$77,500
NORTHEAST LOUISIANA STATE COLLEGE, Mon- roe; B. Earl Prince; 2 months; \$43,700
NORTHEAST MISSOURI STATE TEACHERS COL- LEGE, Kirksville; Dean A. Rosebery; 2 months; \$77,400
NORTHEASTERN UNIVERSITY, Boston, Mass.; Benjamin C. Friedrich; 2 months; \$46,950
NORTHERN ILLINOIS UNIVERSITY, De Kalb; Frederick W. Rolf; 2 months; \$53,400
NORTHERN MICHIGAN COLLEGE, Marquette; Roy E. Heath; 2 months; \$51,500
NORTHWESTERN STATE COLLEGE, Alva, Okla.; Kathrine C. Mires; 2 months; \$53,200
OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, INC., Oak Ridge, Tenn.; W. W. Grigorieff; 3 months; \$40,800
OSBERLIN COLLEGE, Oberlin, Ohio; E. P. Vance; 2 months; \$122,700
OHIO STATE UNIVERSITY, Columbus; Robert C. Fisher; 2 months; \$91,020
 Alfred B. Garrett; 2 months; \$50,250
 John S. Richardson; 2 months; \$54,700
 Edmund M. Spieker; 2 months; \$39,800

OHIO UNIVERSITY FUND, INC., Athens; Lawrence P. Eblin; 2 months; \$63,500

OHIO WESLEYAN UNIVERSITY, Delaware; Arthur C. Breyer; 2 months; \$55,110
Robert L. Wilson; 2 months; \$39,700
Leonard N. Russell; 2 months; \$83,100

OKLAHOMA BAPTIST UNIVERSITY, Shawnee; Jack Olen Purdue; 2 months; \$51,600

OKLAHOMA CITY UNIVERSITY; Moody L. Coffman; 2 months; \$53,300

OKLAHOMA STATE UNIVERSITY, Stillwater; James H. Zant; 2 months; \$60,400

OREGON STATE UNIVERSITY, Corvallis; A. V. Logan; 2 months; \$42,500
Albert R. Poole; 2 months; \$65,900
Stanley E. Williamson; 2 months; \$65,200

PENNSYLVANIA STATE UNIVERSITY, University Park; T. C. Benton; 2 months; \$36,300
William H. Powers; 3 months; \$100,700

PORTLAND STATE COLLEGE, Portland, Oreg.; J. Richard Byrne; 2 months; \$39,700

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 2 months; \$37,000

PRATT INSTITUTE, Brooklyn, N.Y.; John Michael O'Gorman; 2 months; \$40,400

PRINCETON UNIVERSITY, Princeton, N.J.; Charles L. Taggart; 2 months; \$55,180

PURDUE UNIVERSITY, Lafayette, Ind.; J. H. Carter; 2 months; \$66,800
John E. Christian; 2 months; \$19,000
M. Wiles Keller; 2 months; \$69,600
Ralph W. Lefler; 2 months; \$48,300
Ralph W. Lefler; 2 months; \$49,100
J. D. Novak; 2 months; \$69,600

RANDOLPH-MACON WOMAN'S COLLEGE, Lynchburg, Va.; Helen L. Whidden; 2 months; \$61,800

REED COLLEGE, Portland, Oreg.; Burrowes Hunt; 2 months; \$99,500
Arthur H. Livermore; 2 months; \$46,500
Leslie H. Squier; 2 months; \$42,300

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; S. C. Bunce; 2 months; \$128,200

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; M. Ira Dubins, Oneonta; 2 months; \$55,100
Edgar W. Flinton; 2 months; \$47,200
Alexander G. Major, Potsdam; 2 months; \$66,700
Emery L. Will, Oneonta; 2 months; \$41,000
Stephen S. Winter, Buffalo; 2 months; \$44,300

RIPON COLLEGE, Ripon, Wis.; Leonard W. Vaughan; 2 months; \$63,500

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Joshua Barlaz; 2 months; \$57,900
Edwin T. Moul; 2 months; \$43,400
Robert L. Sells; 2 months; \$57,400
William W. Wiles; 2 months; \$42,200

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; Melvin O. Fuller; 2 months; \$41,100
Carl E. Ludwig; 2 months; \$62,100

ST. AUGUSTINE'S COLLEGE, Raleigh, N.C.; Prezell R. Robinson; 2 months; \$38,300

ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Harold Hopkins; 1 month; \$50,700

ST. LOUIS UNIVERSITY, Mo.; Francis Regan; 2 months; \$49,400
Arthur G. Rouse; 2 months; \$23,800

ST. MARY'S COLLEGE, Winona, Minn.; Brother H. Charles; 2 months; \$33,400
Brother L. George; 2 months; \$19,000

SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; Paul Stewart; 2 months; \$57,800

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; Kenneth A. Fowler; 2 months; \$39,600
James R. Smart; 2 months; \$48,600

SEATTLE UNIVERSITY, Wash.; James J. Cowgill; 2 months; \$76,200

SETON HALL UNIVERSITY, South Orange, N.J.; Eugene V. Petrik; 2 months; \$32,300

SETON HILL COLLEGE, Greensburg, Pa.; Sister Mary Thaddeus; 2 months; \$45,200

SIMMONS COLLEGE, Boston, Mass.; Frank C. DeSua; 2 months; \$46,100
John A. Timm; 2 months; \$24,700

SOUTH CAROLINA STATE COLLEGE, Orangeburg; George W. Hunter; 2 months; \$77,500

SOUTH DAKOTA STATE COLLEGE, Brookings; Kenneth E. Howard; 2 months; \$80,700

SOUTHEAST MISSOURI STATE COLLEGE, Cape Girardeau; Robert J. Kuster; 2 months; \$51,800

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 2 months; \$74,200

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; Morton R. Kenner; 2 months; \$63,600
I. L. Shechmeister; 2 months; \$60,900

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Joe P. Harris, Jr.; 2 months; \$41,900

SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Russell M. Ampey; 2 months; \$61,300
Spaulding M. Ruffin; 2 months; \$38,000

SOUTHWESTERN STATE COLLEGE, Weatherford, Okla.; Earl A. Reynolds; 2 months; \$51,400
Earl A. Reynolds; 2 months; \$49,200

STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; 2 months; \$54,050

STATE COLLEGE AT BRIDGEWATER, Mass.; James R. Brennan; 2 months; \$39,600

STATE COLLEGE OF IOWA, Cedar Falls; Irvin H. Brune; 2 months; \$60,700
Dorothy C. Matala; 2 months; \$61,700

STATE UNIVERSITY OF IOWA, Iowa City; Robert E. Yager; 2 months; \$78,200

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Charles R. Estee; 2 months; \$78,700
M. M. Hasse; 2 months; \$65,800

STETSON UNIVERSITY, DeLand, Fla.; Gene W. Medlin; 2 months; \$62,100

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 2 months; \$64,600

STONEHILL COLLEGE, North Easton, Mass.; Joseph B. Chiccarelli; 2 months; \$32,700

SYRACUSE UNIVERSITY, Syracuse, N.Y.; John G. Burdick; 2 months; \$51,400
Robert B. Davis; 2 months; \$51,900
W. R. Fredrickson; 2 months; \$61,600

TEACHERS COLLEGE, New York, N.Y.; Frederick L. Fitzpatrick; 2 months; \$30,300

TEMPLE UNIVERSITY, Philadelphia, Pa.; Richard M. Stavseth; 2 months; \$60,000

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; Rutherford H. Adkins; 2 months; \$51,800

TEXAS CHRISTIAN UNIVERSITY, Fort Worth; Leo Hendricks; 2 months; \$92,400
TEXAS COLLEGE OF ARTS AND INDUSTRIES, Kingsville; Olan E. Kruse; 2 months; \$31,000
TEXAS SOUTHERN UNIVERSITY, Houston; Robert J. Terry; 3 months; \$94,900
TEXAS TECHNOLOGICAL COLLEGE, Lubbock; Earl D. Camp; 2 months; \$85,500
TEXAS WOMAN'S UNIVERSITY, Denton; Harold T. Baker; 2 months; \$21,200
 Harlan C. Miller; 2 months; \$40,600
TULANE UNIVERSITY, New Orleans, La.; Gall S. Young; 2 months; \$77,100
TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; Lawrence F. Koons; 2 months; \$59,500
UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; D. K. Baker; 2 months; \$133,400
UNIVERSITY OF ALABAMA, University; Julian D. Mancill; 3 months; \$94,700
UNIVERSITY OF ALASKA, College; Francis D. Parker; 2 months; \$70,800
UNIVERSITY OF ARIZONA, Tucson; Millard G. Seeley; 2 months; \$75,000
 Arthur H. Steinbrenner; 2 months; \$65,100
UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 2 months; \$46,800
 Leo J. Paulissen; 2 months; \$59,600
 Paul C. Sharrah; 2 months; \$14,500
UNIVERSITY OF CALIFORNIA, Berkeley; Gideon T. James; 2 months; \$63,100
 Lola S. Kelly; 2 months; \$21,800
 Marlo Menesini; 2 months; \$64,100
 Roderic B. Park; 2 months; \$51,500
 Robert L. Pecsok, Los Angeles; 2 months; \$35,800
 William H. Meyer, Santa Barbara; 2 months; \$50,250
 John H. Reynolds; 2 months; \$51,700
 Paola S. Timiras; 2 months; \$39,100
 Harvey White; 2 months; \$52,200
 Clifford Bell, Los Angeles; 2 months; \$34,900
 George C. Pimentel; 2 months; \$66,600
UNIVERSITY OF CHATTANOOGA, Tenn.; Kenneth A. Fry; 2 months; \$47,000
UNIVERSITY OF CINCINNATI, Ohio; H. David Lipsich; 2 months; \$52,000
UNIVERSITY OF COLORADO, Boulder; Charles R. Bitter; 2 months; \$39,100
 John R. Clopton; 2 months; \$111,900
 James R. Wallis; 1 month; \$18,900
UNIVERSITY OF DAYTON, Ohio; K. C. Schraut; 2 months; \$40,700
UNIVERSITY OF DELAWARE, Newark; John A. Brown; 2 months; \$29,500
UNIVERSITY OF DETROIT, Mich.; Lyle E. Mehlenbacher; 2 months; \$49,500
UNIVERSITY OF FLORIDA, Gainesville; N. Eldred Bingham; 2 months; \$76,400
 William A. Gager; 2 months; \$85,400
 Carl D. Monk; 2 months; \$37,520
UNIVERSITY OF GEORGIA, Athens; Charles L. Koelsche; 3 months; \$74,300
 T. H. Whitehead; 3 months; \$80,100
UNIVERSITY OF HAWAII, Honolulu; Harry Zeitlin; 2 months; \$21,200
 Harry Zeitlin; 2 months; \$67,900
UNIVERSITY OF HOUSTON, Tex.; Curtis A. Rogers; 2 months; \$39,900
UNIVERSITY OF IDAHO, Moscow; William F. Barr; 2 months; \$27,300
 Edgar H. Grahn; 2 months; \$97,900
 Hans Sagan; 2 months; \$45,400
UNIVERSITY OF ILLINOIS, Urbana; Max Beberman; 2 months; \$225,450
 Jerry S. Dobrovolsky; 2 months; \$54,200
 Lewis E. Wagner; 2 months; \$44,900
 Peter E. Yankwich; 2 months; \$48,200
UNIVERSITY OF KANSAS, Lawrence; Edward I. Shaw; 2 months; \$19,000
UNIVERSITY OF MAINE, Orono; Clarence E. Bennett; 2 months; \$38,900
 S. H. Kimball; 2 months; \$49,050
UNIVERSITY OF MARYLAND, College Park; Guydo R. Lehner; 2 months; \$36,500
UNIVERSITY OF MICHIGAN, Ann Arbor; Charles Brumfiel; 2 months; \$57,700
UNIVERSITY OF MINNESOTA, Minneapolis; William H. Marshall; 1 month; \$20,600
 Francis A. Spurrell; 2 months; \$14,500
 Frank Verbrugge; 3 months; \$114,400
 John E. Hafstrom; 3 months; \$52,450
 Blanchard O. Krogstad; 1 month; \$29,900
UNIVERSITY OF MISSISSIPPI, University; William H. Norman; 3 months; \$116,600
UNIVERSITY OF MISSOURI, Columbia; Robert F. Brooks; 2 months; \$60,800
 Paul B. Burcham; 2 months; \$52,400
 Harold Q. Fuller, Rolla; 2 months; \$97,100
 Louis V. Holroyd; 2 months; \$65,900
UNIVERSITY OF NEBRASKA, Lincoln; Wendell Gauger; 2 months; \$93,800
 Walter E. Mientka; 2 months; \$53,000
UNIVERSITY OF NEVADA, Reno; R. N. Tompson; 2 months; \$49,900
UNIVERSITY OF NEW HAMPSHIRE, Durham; Paul R. Jones; 2 months; \$82,400
 Charlotte G. Nast; 2 months; \$54,300
UNIVERSITY OF NEW MEXICO, Albuquerque; Frank C. Gentry; 2 months; \$65,500
 Merle Mitchell; 2 months; \$30,600
 Loren D. Potter; 2 months; \$25,700
UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Roy L. Ingram; 2 months; \$40,100
 Edwin C. Markham; 2 months; \$98,300
 Henry A. Shannon, Raleigh; 2 months; \$37,400
UNIVERSITY OF NORTH DAKOTA, Grand Forks; J. Donald Henderson; 2 months; \$81,000
UNIVERSITY OF NOTRE DAME, Ind.; Emil T. Hofman; 2 months; \$77,800
 Arnold E. Ross; 2 months; \$154,900
UNIVERSITY OF OKLAHOMA, Norman; Doyle E. Anderegg; 2 months; \$66,200
 Richard V. Andree; 2 months; \$63,200
 Horace H. Bliss; 2 months; \$73,400
 Robert D. Burns; 2 months; \$47,200
 Edward A. Frederickson; 1 month; \$40,600
 Donald L. Patten; 2 months; \$38,800
UNIVERSITY OF OREGON, Eugene; Richard W. Castenholz; 2 months; \$35,200
 Arnold L. Soderwall; 2 months; \$37,100
UNIVERSITY OF PENNSYLVANIA, Philadelphia; J. F. Hazel; 2 months; \$81,100
UNIVERSITY OF PITTSBURGH, Pa.; John C. Knipp; 2 months; \$31,500
UNIVERSITY OF PUERTO RICO, Rio Piedras; Augusto Bobonis; 2 months; \$95,800

Juan D. Curet; 2 months; \$72,638
 Mariano Garcia; 2 months; \$68,425
 Frederick Rushford; 2 months; \$14,300
UNIVERSITY OF REDLANDS, Calif.; Reinhold J. Krantz; 2 months; \$58,175
UNIVERSITY OF RHODE ISLAND, Kingston; Elmer A. Palmatier; 2 months; \$43,600
UNIVERSITY OF ROCHESTER, N.Y.; John J. Montean; 2 months; \$38,300
UNIVERSITY OF SAN FRANCISCO, Calif.; Edward J. Farrell; 2 months; \$36,400
UNIVERSITY OF THE SOUTH, Seawannee, Tenn.; H. Malcolm Owen; 2 months; \$61,300
UNIVERSITY OF SOUTH CAROLINA, Columbia; W. L. Williams; 2 months; \$87,600
UNIVERSITY OF SOUTH FLORIDA, Tampa; Gid E. Nelson, Jr.; 2 months; \$45,100
UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Paul A. White; 2 months; \$44,400
UNIVERSITY OF SOUTHERN MISSISSIPPI, Hattiesburg; B. O. Van Hook; 2 months; \$59,000
UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 2 months; \$60,500
 James R. Oliver; 2 months; \$54,900
UNIVERSITY OF TENNESSEE, Knoxville; Edgar D. Eaves; 2 months; \$62,500
UNIVERSITY OF TEXAS, Austin; Addison E. Lee; 2 months; \$118,375
UNIVERSITY OF UTAH, Salt Lake City; E. Allen Davis; 2 months; \$67,200
 Thomas J. Parmley; 2 months; \$70,300
 Robert C. Pendleton; 2 months; \$19,000
UTAH STATE UNIVERSITY, Logan; Joe Elich; 3 months; \$79,700
 Neville C. Hunsaker; 3 months; \$81,600
UNIVERSITY OF VERMONT, Burlington; N. James Schoonmaker; 2 months; \$67,000
 Nelson L. Walbridge; 2 months; \$69,900
UNIVERSITY OF VIRGINIA, Charlottesville; William C. Lowry; 2 months; \$46,600
UNIVERSITY OF WASHINGTON, Seattle; Richard H. Fleming; 2 months; \$48,600
 L. A. Sanderman; 2 months; \$51,200
UNIVERSITY OF WYOMING, Laramie; Carl A. Cinnamon; 2 months; \$20,400
 Samuel W. Harding; 3 months; \$98,700
 Nathan Schwid; 1 month; \$42,200
UNIVERSITY OF WISCONSIN, Madison; Robert A. Jaggard; 2 months; \$65,200
 George W. Sledge; 2 months; \$32,700
VALPARAISO UNIVERSITY, Valparaiso, Ind.; Arthur E. Hallerberg; 2 months; \$41,600
VASSAR COLLEGE, Poughkeepsie, N.Y.; John H. Johnsen; 2 months; \$38,100
VILLANOVA UNIVERSITY, Villanova, Pa.; J. Bernard Hubbert; 2 months; \$50,100
WAKE FOREST COLLEGE, Winston-Salem, N.C.; John W. Nowell; 2 months; \$58,500
WASHBURN UNIVERSITY OF TOPEKA, Topeka, Kans.; Laura Z. Greene; 2 months; \$64,800
WASHINGTON STATE UNIVERSITY, Pullman; Harry H. Batey, Jr.; 2 months; \$92,800
 Sidney G. Hacker; 2 months; \$65,700
WAYNE STATE UNIVERSITY, Detroit, Mich.; Walter Chavin; 2 months; \$19,000
WESLEYAN UNIVERSITY, Middletown, Conn.; Joseph S. Daltry; 2 months; \$102,000
WEST VIRGINIA WESLEYAN COLLEGE, Buckhannon; William R. Willis; 2 months; \$59,100
WESTERN MARYLAND COLLEGE, Westminster; Harwell P. Sturdivant; 2 months; \$39,700
WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George G. Mallinson; 2 months; \$49,600
WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; William M. Heston; 3 months; \$78,100
WESTERN WASHINGTON STATE COLLEGE, Bellingham; Raymond R. McLeod; 2 months; \$43,600
 Sheldon T. Rio; 2 months; \$61,000
WINONA STATE COLLEGE, Winona, Minn.; Ray T. Wendland; 2 months; \$49,200
WISCONSIN STATE COLLEGE, River Falls; Richard J. Delorit; 2 months; \$42,000
YALE UNIVERSITY, New Haven, Conn.; Stuart R. Brinkley; 2 months; \$86,500
SUMMER INSTITUTES FOR ELEMENTARY SCHOOL PERSONNEL
ARIZONA STATE COLLEGE, Flagstaff; James R. Wick; 2 months; \$35,300
BELOIT COLLEGE, Beloit, Wis.; John L. Biester; 2 months; \$30,100
BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Hoyt M. Kaylor; 2 months; \$36,600
COLLEGE OF ST. TERESA, Winona, Minn.; Sister Mary Leontius; 2 months; \$28,700
COLORADO STATE COLLEGE, Greeley; Louise A. Neal; 2 months; \$39,500
DEPAUW UNIVERSITY, Greencastle, Ind.; Clinton B. Gass; 2 months; \$19,800
EASTERN MICHIGAN UNIVERSITY, Ypsilanti; Albert W. Brown; 2 months; \$34,900
EDINBORO STATE COLLEGE, Edinboro, Pa.; John T. Gatz; 2 months; \$27,700
FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY, Tallahassee; Israel E. Glover; 2 months; \$27,300
FLORIDA STATE UNIVERSITY, Tallahassee; Eugene D. Nichols; 2 months; \$39,700
INTER AMERICAN UNIVERSITY OF PUERTO RICO, San German; Ismael Velez; 1 month; \$25,500
LONG BEACH STATE COLLEGE FOUNDATION, Long Beach, Calif.; Owen M. Reince; 2 months; \$29,600
NEW MEXICO STATE UNIVERSITY, University Park; Darrell S. Willey; 2 months; \$32,500
NORTHERN ILLINOIS UNIVERSITY, DeKalb; Frederick W. Rolf; 2 months; \$44,900
NORTHERN MICHIGAN COLLEGE, Marquette; Henry S. Helmonen; 2 months; \$36,200
RHODE ISLAND COLLEGE, Providence; Renato E. Leonelli; 2 months; \$26,800
RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Guido G. Weigend; 2 months; \$38,000
SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; John L. Marks; 2 months; \$20,000
SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 1 month; \$21,700
STATE UNIVERSITY OF IOWA, Iowa City; T. R. Porter; 2 months; \$35,900

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; M. M. Hasse; 2 months; \$41,800
 TEXAS WOMAN'S UNIVERSITY, Denton; Dixie Young; 2 months; \$19,200
 UNIVERSITY OF GEORGIA, Athens; Charles L. Koelsche; 3 months; \$26,400
 UNIVERSITY OF HAWAII, Honolulu; Albert B. Carr; 2 months; \$27,500
 UNIVERSITY OF MAINE, Orono; R. A. Struchtemeyer; 2 months; \$33,700
 UNIVERSITY OF NORTH DAKOTA, Grand Forks; Bernt L. Wills; 2 months; \$43,700
 UNIVERSITY OF OKLAHOMA, Norman; Dora McFarland; 2 months; \$28,400
 UNIVERSITY OF OREGON, Eugene; James C. Stovall; 2 months; \$43,500
 UNIVERSITY OF PUERTO RICO, Rio Piedras; Mariano Garcia; 2 months; \$30,500
 UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 2 months; \$24,700
 UNIVERSITY OF UTAH, Salt Lake City; L. Edwin Hirschi; 2 months; \$37,000
 UNIVERSITY OF VERMONT, Burlington; N. James Schoonmaker; 2 months; \$28,300
 VIRGINIA STATE COLLEGE, Petersburg; Reuben G. Pierce; 2 months; \$43,400

SUMMER SCIENCE TRAINING PROGRAM FOR SECONDARY SCHOOL STUDENTS

ACADEMY OF SCIENCE OF ST. LOUIS, Mo.; Donn P. Brazier; 1 year; \$11,075
 AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; William S. McCulley; 2 months; \$8,585
 O. Dayle Sittler; 2 months; \$9,085
 Fred E. Smith; 2 months; \$11,285
 John J. Sperry; 2 months; \$8,835
 ALBERT EINSTEIN MEDICAL CENTER, Philadelphia, Pa.; Samuel J. Aji; 2 months; \$6,375
 AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Franklin M. Branley; 1 month; \$9,830
 APPALACHIAN STATE TEACHERS COLLEGE, Boone, N.C.; F. Ray Derrick; 1 month; \$15,405
 ARIZONA STATE COLLEGE, Flagstaff; J. H. Butchart; 1 month; \$7,880
 ARIZONA STATE UNIVERSITY, Tempe; Howard G. Applegate; 2 months; \$17,440
 ASBURY COLLEGE, Wilmore, Ky.; J. Paul Ray; 2 months; \$23,860
 ASSUMPTION COLLEGE, Worcester, Mass.; Alfons J. van der Linden; 2 months; \$17,585
 AUBURN UNIVERSITY, Auburn, Ala.; Joseph T. Hood; 2 months; \$8,960
 AUGSBURG COLLEGE, Minneapolis, Minn.; Courtland L. Agre; 2 months; \$10,125
 BENNETT COLLEGE, Greensboro, N.C.; J. Henry Sayles; 2 months; \$24,785
 BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; Wilbert Hutton; 2 months; \$7,920
 BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INCORPORATED, Yonkers, N.Y.; Lawrence P. Miller; 2 months; \$6,130
 BRANDEIS UNIVERSITY, Waltham, Mass.; Philip A. St. John; 2 months; \$4,550

BRIDGEWATER COLLEGE, Bridgewater, Va.; John W. Martin; 1 month; \$5,425
 BROOKLYN COLLEGE, N.Y.; Meyer Jordan; 2 months; \$11,310
 BROWN UNIVERSITY, Providence, R.I.; Charles B. Mackay; 2 months; \$25,100
 BUCKNELL UNIVERSITY, Lewisburg, Pa.; Lester Kleft; 2 months; \$9,500
 BUTLER UNIVERSITY, Indianapolis, Ind.; William H. Bessey; 2 months; \$7,435
 CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Lawrence N. Canjar; 2 months; \$10,540
 CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; L. J. Green; 2 months; \$6,795
 CENTRAL STATE COLLEGE, Wilberforce, Ohio; E. Oscar Woolfolk; 2 months; \$4,170
 CITY COLLEGE, New York, N.Y.; Chester B. Kremer; 2 months; \$15,085
 CLARK UNIVERSITY, Worcester, Mass.; Roy S. Anderson; 3 months; \$1,260
 CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; Harry S. Bingham; 2 months; \$24,800
 COE COLLEGE, Cedar Rapids, Iowa; Cloy J. Walter; 3 months; \$14,890
 COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY, Des Moines, Iowa; Ora E. Niffenegger; 2 months; \$5,495
 COLLEGE OF THE HOLY NAMES, Oakland, Calif.; Sister Mary Baptista; 2 months; \$12,945
 COLORADO COLLEGE, Colorado Springs; Richard G. Beldleman; 2 months; \$14,275
 COLORADO SCHOOL OF MINES, Golden; James L. Hall; 2 months; \$14,605
 COMMITTEE FOR ADVANCE SCIENCE TRAINING, Los Angeles, Calif.; Harry Sobel; 3 months; \$8,515
 CORNELL UNIVERSITY, Ithaca, N.Y.; Thomas J. Peterson, Jr.; 2 months; \$12,795
 EMORY UNIVERSITY, Atlanta, Ga.; James G. Lester; 1 month; \$31,295
 EMORY AND HENRY COLLEGE, Emory, Va.; Marius Blesi; 1 month; \$13,275
 FAIRLEIGH DICKINSON UNIVERSITY, Rutherford, N.J.; Dolores Elaine Keller, Teaneck; 1 month; \$12,045
 FLORIDA STATE UNIVERSITY, Tallahassee; Robert Kalln; 2 months; \$11,705
 GEORGETOWN UNIVERSITY, Washington, D.C.; Lawrence S. Lillenfeld; 2 months; \$9,400
 GOUCEER COLLEGE, Baltimore, Md.; Frederick G. Reuss; 1 month; \$15,680
 GRAMBLING COLLEGE, Grambling, La.; Emile C. Fonsworth; 2 months; \$18,195
 GRINNELL COLLEGE, Grinnell, Iowa; Nell D. Kent; 2 months; \$24,890
 HIRAM COLLEGE, Hiram, Ohio; Edward B. Rosser; 2 months; \$13,995
 HOWARD UNIVERSITY, Washington, D.C.; H. V. Eagleson; 2 months; \$14,900
 HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; John E. Butler; 1 month; \$17,865
 HUNTER COLLEGE, New York, N.Y.; Melvin S. Schwartz; 2 months; \$7,460
 Henry D. Thompson; 1 month; \$4,820
 ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Haim Reingold; 9 months; \$18,955

INDIANA UNIVERSITY FOUNDATION, Bloomington; Paul Klinge; 2 months; \$25,575
 John B. Patton; 3 months; \$3,840

INTER AMERICAN UNIVERSITY OF PUERTO RICO, San German; Ismael Velez; 1 month; \$5,825
 Ismael Velez; 1 month; \$12,300

JACKSON STATE COLLEGE, Jackson, Miss.; Benjamin H. McLemore; 2 months; \$14,300

JOINT BOARD ON SCIENCE EDUCATION, Washington, D.C.; Leo Schubert, American University; 2 months; \$6,600

KANSAS STATE TEACHERS COLLEGE, Emporia; Robert J. Boles; 2 months; \$14,775

KENTUCKY STATE COLLEGE, Frankfort; Lloyd E. Alexander; 2 months; \$16,275

LA SALLE COLLEGE, Philadelphia, Pa.; John S. Penny; 2 months; \$7,605

LEHIGH UNIVERSITY, Bethlehem, Pa.; Albert Wilansky; 2 months; \$7,155

LEMOYNE COLLEGE, Memphis, Tenn.; W. W. Gibson; 2 months; \$10,185

LIVINGSTON STATE COLLEGE, Livingston, Ala.; Lillian C. Manley; 2 months; \$8,735

LOUISIANA POLYTECHNIC INSTITUTE, Ruston; William R. Higgs; 2 months; \$17,160

LOUISIANA STATE UNIVERSITY, Baton Rouge; John F. Christman; 2 months; \$24,930

LOWELL TECHNICAL INSTITUTE, Lowell, Mass.; Vasilis Lavrakas; 2 months; \$8,300

LOYOLA UNIVERSITY, Chicago, Ill.; Kenichi Kenneth Hisaoka; 2 months; \$10,655

LOYOLA UNIVERSITY OF LOS ANGELES, Calif.; Clarence J. Wallen; 8 months; \$3,240

MANCHESTER COLLEGE, North Manchester, Ind.; Harry R. Welmer; 2 months; \$9,410

MICHIGAN STATE UNIVERSITY, East Lansing; M. Isobel Blyth; 2 months; \$24,325

MORGAN STATE COLLEGE, Baltimore, Md.; John W. King; 2 months; \$20,460

MOUNT MERCY COLLEGE, Pittsburgh, Pa.; Cornelius W. Kreke; 2 months; \$8,230

MURRAY STATE COLLEGE FOUNDATION, Murray, Ky.; W. E. Blackburn; 2 months; \$23,550

NASSON COLLEGE, Springvale, Maine; Robert F. Callahan; 2 months; \$19,675

NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; Joseph M. Fitzgerald; 2 months; \$8,385

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; Lora M. Shields; 2 months; \$14,000

NORTH DAKOTA STATE UNIVERSITY, Fargo; J. A. Callenbach; 3 months, \$2,825
 Donald Schwartz; 2 months; \$4,105

NORTHEASTERN UNIVERSITY, Boston, Mass.; Charles M. Goolsby; 2 months; \$21,755

NORTHERN ILLINOIS UNIVERSITY, DeKalb; John E. Bower; 2 months; \$14,250

NORTHERN MICHIGAN COLLEGE, Marquette; John P. Farrell; 2 months; \$14,265

NORTHWESTERN STATE COLLEGE OF LOUISIANA, Natchitoches; Richard E. Garth; 2 months; \$8,330
 James A. Noel; 2 months; \$7,410

NORTHWESTERN UNIVERSITY, Evanston, Ill.; F. G. Seulberger; 1 month; \$28,240

OHIO STATE UNIVERSITY, Columbus; Richard H. Bohning; 2 months; \$18,175
 Paul T. Yarrington; 2 months; \$19,575

OHIO UNIVERSITY, Athens; James T. Shipman; 2 months; \$12,620

OHIO WESLEYAN UNIVERSITY, Delaware; Thomas S. Oey; 3 months; \$2,435

OKLAHOMA STATE UNIVERSITY, Stillwater; L. F. Sheerar; 2 months; \$15,300

OREGON STATE UNIVERSITY, Corvallis; R. E. Gaskell; 2 months; \$24,385
 John F. Tatom; 2 months; \$11,715

PAN AMERICAN COLLEGE, Edinburg, Tex.; Paul R. Engle; 2 months; \$9,090

PENNSYLVANIA STATE UNIVERSITY, University Park; John S. Boyle; 2 months; \$1,825

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; Limone C. Collins; 2 months; \$8,270
 E. E. O'Banion; 2 months; \$8,355

PURDUE UNIVERSITY, Lafayette, Ind.; James L. Ahlrichs; 2 months; \$20,290

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Harriet F. Montague, Buffalo; 2 months; \$4,980

ROLLINS COLLEGE, Winter Park, Fla.; Bruce B. Wavell; 2 months; \$7,320

ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; John L. Fuller; 2 months; \$16,465

ROSWELL PARK MEMORIAL INSTITUTE, Buffalo, N.Y.; Edwin A. Mirand; 3 months; \$19,115

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Solomon Leader; 1 month; \$11,705

ST. AUGUSTINE'S COLLEGE, Raleigh, N.C.; Prezell R. Robinson; 2 months; \$15,490

ST. LOUIS UNIVERSITY, Mo.; John J. Andrews; 1 month; \$5,690

ST. OLAF COLLEGE, Northfield, Minn.; Harold W. Hansen; 1 month; \$18,000

SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; Edmund I. Deaton; 2 months; \$8,905

SAN FERNANDO VALLEY STATE COLLEGE, Northridge, Calif.; Lorence G. Collins; 2 months; \$12,840

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; Benjamin F. Naylor; 2 months; \$14,915

SOUTH DAKOTA STATE COLLEGE, Brookings; Harlan L. Klug; 2 months; \$8,145

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 2 months; \$7,250

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; George H. Gass; 2 months; \$19,675

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Frank J. Palas; 2 months; \$8,260

SOUTHERN STATE COLLEGE, Magnolia, Ark.; John J. Chapman; 2 months; \$5,475

SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Vandon E. White; 2 months; \$10,830

STATE UNIVERSITY OF IOWA, Iowa City; Robert E. Yager; 2 months; \$9,265
 Robert E. Yager; 2 months; \$26,360

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Glen R. Driscoll; 2 months; \$10,745

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; L. Edwin Backer; 2 months; \$12,125

SYRACUSE UNIVERSITY, Syracuse, N.Y.; Marvin Drüger; 2 months; \$15,870
 TEMPLÉ UNIVERSITY, Philadelphia, Pa.; Walter S. Lawton; 2 months; \$9,675
 TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; Rupert G. Seals; 2 months; \$11,475
 TEXAS COLLEGE, Tyler; Sekender A. Khan; 2 months; \$11,280
 TEXAS WOMAN'S UNIVERSITY, Denton; Robert W. Higgins; 2 months; \$7,420
 TOUGALOO SOUTHERN CHRISTIAN COLLEGE, Tougaloo, Miss.; A. A. Branch; 2 months; \$17,310
 TUFTS UNIVERSITY, Medford, Mass.; Gordon O. Thayer, Thayer Academy, Braintree, Mass.; 3 months; \$27,985
 UNIVERSITY OF ALASKA, College; William S. Wilson; 2 months; \$13,245
 UNIVERSITY OF ARIZONA, Tucson; Donald E. Myers; 2 months; \$8,375
 UNIVERSITY OF BRIDGEPORT, Conn.; William Garner; 2 months; \$26,160
 UNIVERSITY OF CALIFORNIA, Berkeley; Howard A. Shugart; 2 months; \$28,325
 Frantisek Wolf; 2 months; \$10,985
 Mendel Mazells, Davis; 2 months; \$17,070
 Clifford Bell, Los Angeles; 2 months; \$9,705
 Ted Forbes, San Diego; 2 months; \$7,365
 UNIVERSITY OF COLORADO, Boulder; William S. Osburn; 2 months; \$3,145
 UNIVERSITY OF DELAWARE, Newark; William G. Fletcher; 2 months; \$9,930
 UNIVERSITY OF FLORIDA, Gainesville; Luther A. Arnold; 2 months; \$12,960
 UNIVERSITY OF GEORGIA, Athens; Carroll T. Clark; 2 months; \$10,535
 UNIVERSITY OF HARTFORD, Conn.; Malcolm W. Gordon, University of Connecticut, Storrs; 2 months; \$13,500
 UNIVERSITY OF HAWAII, Honolulu; Richard B. Hine; 2 months; \$18,935
 UNIVERSITY OF HOUSTON, Tex.; Rodolphe L. Motard; 2 months; \$20,330
 UNIVERSITY OF ILLINOIS, Urbana; Jerry S. Dobrovoly; 2 months; \$12,570
 F. A. Kummerow; 2 months; \$3,890
 UNIVERSITY OF KANSAS, Lawrence; Arnold A. Strassenburg; 2 months; \$24,995
 UNIVERSITY OF MARYLAND, College Park; James C. Armstrong; 3 months; \$6,630
 UNIVERSITY OF MIAMI, Coral Gables, Fla.; Herman Meyer; 2 months; \$10,640
 UNIVERSITY OF MICHIGAN, Ann Arbor; Leigh C. Anderson; 2 months; \$20,250
 Harold J. Blumenthal; 2 months; \$16,565
 UNIVERSITY OF MISSISSIPPI, University; Samuel F. Clark; 2 months; \$15,160
 UNIVERSITY OF MISSOURI, Columbia; Wesley J. Dale; 2 months; \$17,990
 Charles R. Remington, Jr., Rolla; 2 months; \$12,880
 UNIVERSITY OF NEVADA, Reno; Wendell A. Mordy; 2 months; \$23,975
 UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Douglas G. Humm; 2 months; \$2,235
 Samuel B. Knight; 2 months; \$22,580
 Hollis J. Rogers, Greensboro; 1 month; \$10,550
 UNIVERSITY OF NORTH DAKOTA, Grand Forks; Paul B. Kannowski; 2 months; \$13,520
 Paul B. Kannowski; 2 months; \$1,550
 UNIVERSITY OF NOTRE DAME, Ind.; Arnold E. Ross; 2 months; \$24,390
 UNIVERSITY OF OKLAHOMA, Norman; Lloyd A. Iverson; 2 months; \$26,000
 UNIVERSITY OF PUERTO RICO, Rio Piedras; Francisco Garriga; 2 months; \$9,315
 Eddie Ortiz, Mayaguez; 2 months; \$11,725
 UNIVERSITY OF RHODE ISLAND, Kingston; James W. Cobble; 2 months; \$4,300
 UNIVERSITY OF TENNESSEE, Knoxville; J. H. Wood; 2 months; \$10,930
 UNIVERSITY OF TEXAS, Austin; Hyman J. Ettlinger; 2 months; \$6,275
 Irwin Spear; 2 months; \$11,795
 UNIVERSITY OF WISCONSIN, Madison; Harry L. Madison; 2 months; \$8,535
 George W. Sledge; 2 months; \$15,505
 VASSAR COLLEGE, Poughkeepsie, N.Y.; Joseph F. Mucci; 1 month; \$5,940
 VETERAN'S ADMINISTRATION HOSPITAL, Albuquerque, N. Mex.; Louise Leonard; 2 months; \$970
 VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; T. J. Horne; 2 months; \$9,695
 Hugh S. Miles, Jr.; 2 months; \$9,895
 Hugh S. Miles, Jr.; 2 months; \$10,805
 VIRGINIA UNION UNIVERSITY, Richmond; Walter O. Bradley; 2 months; \$12,680
 WESTERN KENTUCKY STATE COLLEGE, Bowling Green; Tate C. Page; 2 months; \$22,535
 WESLEYAN UNIVERSITY, Middletown, Conn.; Ernest Stabler; 2 months; \$13,505
 WEST VIRGINIA UNIVERSITY, Morgantown; O. J. Burger; 1 month; \$4,015
 WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George G. Mallinson; 2 months; \$14,265
 WESTERN STATE COLLEGE OF COLORADO, Gunnison; Aubrey W. Lawrence; 2 months; \$8,800
 WHITWORTH COLLEGE, Spokane, Wash.; William G. Wilson; 2 months; \$1,965
 WILEY COLLEGE, Marshall, Tex.; Rufus L. McGee; 2 months; \$6,590
 WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, Shrewsbury, Mass.; Frederick R. Avis, Southboro; 2 months; \$17,435
 YESHIVA UNIVERSITY, New York, N.Y.; M. D. Tendler; 2 months; \$11,570

SUPPLEMENTARY STUDENT SCIENCE PROJECTS

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; Sherman Ross; *A Career in Psychology*; \$6,900
 AMERICAN STATISTICAL ASSOCIATION, Washington, D.C.; Donald C. Riley; *Careers in Statistics*; 2 years; \$10,400
 AMERICAN UNIVERSITY, Washington, D.C.; Sumner O. Burhoe; *Summer Program in Advanced Biology for Secondary School Students*; 6 weeks; \$4,570
 CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; Richard M. Sutton; *Summer Science Program for High School Juniors*; 10 months; \$10,000

DARTMOUTH COLLEGE, Hanover, N.H.; William P. Davis, Jr.; *Supplementary Science Project for Students*; 1 year; \$2,190

FLORIDA STATE UNIVERSITY, Tallahassee; Wallace A. Kennedy; *Psychological Study of Future Scientists*; 1 year; \$1,000

OPTICAL SOCIETY OF AMERICA, Washington, D.C.; Mary E. Wurga; *Careers in Optics*; 6 months; \$5,735

PORTLAND STATE COLLEGE, Portland, Oreg.; Vernon Cheldelin, Oregon State University, Corvallis; *To Develop a High School Curriculum on Integrated Chemistry and Physics*; 6 weeks; \$21,425

RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK, N.Y.; Meyer Jordan, Brooklyn College, N.Y.; *Mathematics Training Program*; 30 weeks; \$38,255

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Kenneth W. Iversen, Union Junior College, Cranford, N.J.; *A Project to Challenge High School Students of Superior Ability in the Field of Science*; 20 months; \$1,610

ST. MARY'S COLLEGE OF CALIFORNIA, St. Mary's College; T. Brendan, St. Mary's College of California, and Rose Eleanor, College of the Holy Names, Oakland; *Program in Problem Solving for Secondary School Students in Mathematics*; 1 year; \$2,735

UNIVERSITY OF VIRGINIA, Charlottesville; James W. Cole, Jr.; *School Science Program in Chemistry*; 6 weeks; \$3,625

UNIVERSITY OF WISCONSIN, Madison; L. C. Young; *Mathematical Proficiency Encouragement for Gifted Students Prior to Entering College*; 18 months; \$24,560

SUPPLEMENTARY TEACHING AIDS

BOSTON UNIVERSITY, Mass.; Charles K. Levy; *Development of Inexpensive Modern Laboratory Equipment for Biological Sciences*; 2½ years; \$9,110

COLUMBIA UNIVERSITY, New York, N.Y.; Panagiotis Razelos; *Development of An Instructional Electrical Analog for Fluid and Heat Flow and Diffusional Processes*; 3 months; \$5,350

EDUCATIONAL SERVICES INC., Watertown, Mass.; Michael Coe, Yale University, New Haven, Conn.; *Films on the Archeology and Ethnography of the Tehuacan Valley, Mexico*; 4 months; \$91,440

Douglas L. Oliver, *Films on Eskimo Culture*; 14 months; \$103,980

Ascher H. Shapiro, Massachusetts Institute of Technology, Cambridge; *Motion Pictures to Improve Instruction in Fluid Dynamics*; 14 months; \$360,000

KENYON COLLEGE, Gambier, Ohio; Franklin Miller, Jr.; *The Production of a Series of Short Teaching Aid Films in Physics*; 6 months; \$1,770

MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N.Y.; Holbrook M. MacNelle, Case Institute of Technology, Cleveland, Ohio; *Films and Other Teaching Materials for College Mathematics*; 16 months; \$80,000

MINNESOTA ACADEMY OF SCIENCE, St. Paul; Paul C. Rosenbloom, Minnesota State Department of Education; *Completion of Project for Production of Films for Education of Mathematics Teachers*; 1 year; \$46,590

NEW MEXICO STATE UNIVERSITY, University Park; Melvin D. Daybell; *Development of Apparatus for the Stern-Gerlach Experiment*; 14 months; \$3,480

NORTHWESTERN UNIVERSITY, Evanston, Ill.; All Bulent Cambel and Thomas P. Anderson; *Development of Apparatus and Experiments in Magnetogasdynamics*; 28 months; \$63,935
George Herrmann and John F. Fleming; *Stability of Equilibrium in Structural Mechanics*; 1 year; \$17,060

Robert L. Kondner and Jorj O. Osterberg; *Development of Experiments and Apparatus Illustrating Dimensional Analysis in Soil Mechanics*; 1 year; \$26,060

OKLAHOMA STATE UNIVERSITY, Stillwater; Paul E. Torgersen; *Development of Electronic Queuing Simulators*; 1 year; \$7,710

PRINCETON UNIVERSITY, Princeton, N.J.; Hubert N. Alyea; *Development of Tested Overhead Projection Series of Experiments*; 1 year; \$26,390

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Paul M. DeRusso; *Development of a Digital-Analog Controller for Sampled Data Systems*; 10 months; \$610

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; C. R. Grafty Dougherty; *Design of a Combustion Reactor*; 1 year; \$8,085

ST. LOUIS UNIVERSITY, Mo.; Albert J. Frank, St. Louis University and Harold J. Zabsky, Fontbonne College; *The Construction and Description of Symmetry Models of the Principal Space Groups*; 1 year; \$9,170

SAN FERNANDO VALLEY STATE COLLEGE FOUNDATION, Northridge, Calif.; Edmund Carpenter; *A Film on Eskimo Art*; 6 months; \$7,700

STATE UNIVERSITY OF IOWA, Iowa City; Hunter Rouse; *Production of Instructional Motion Pictures in Fluid Mechanics*; 3 years; \$57,500

UNIVERSITY OF ARIZONA, Tucson; John W. Harshbarger; *Development of Transparent Matrix System for Flow Models*; 1 year; \$10,800

UNIVERSITY OF CALIFORNIA, Berkeley; Samuel A. Barrett; *Documentary Sound-Color Films and Sound Recordings of Indian Cultures in Western North America*; 1 year; \$162,080

Norman N. Goldstein, Jr., Sir Francis Drake High School, San Anselmo; *Development of Instruments for the Study of Physiological Phenomena in Advanced Secondary Biology*; 1 year; \$29,120

Donald M. Reynolds, Davis; *Production of Short Motion Picture Films for University Instruction in Microbiology*; 6 months; \$129,400

UNIVERSITY OF MICHIGAN, Ann Arbor; Samuel K. Clark; *Development of Equipment for a New Strength of Materials Laboratory*; 1 year; \$13,160

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Arthur Waltner, Raleigh; *Development of Equipment for Nuclear Physics Experiments Using Solid State Radiation Detectors*; 2 years; \$8,860

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Thomas H. Wood; *Development of Apparatus to Examine Black Body Radiation and Optical Resonances*; 1 year; \$12,420

UNIVERSITY OF WISCONSIN, Madison; Alwyn Scott; *Design and Development of Experiments for a Semi-conductor Device Laboratory*; 18 months; \$33,930

WASHINGTON UNIVERSITY, St. Louis, Mo.; William D. Johns; *Development and Construction of Simple Two-Circle Goniometer*; 1 year; \$3,450

SUPPLEMENTARY TRAINING FOR TEACHERS

AMERICAN ASSOCIATION OF PHYSICS TEACHERS, Minneapolis, Minn.; Joseph R. Dillinger; *Journal in Physics for High School Physics Teachers*; 2 years; \$56,000

AMERICAN SOCIETY OF ZOOLOGISTS, New York, N.Y.; Theodosius Dobzhansky; *A Refresher Course in Behavior Genetics*; 12 months; \$5,120

Beloit College, Beloit, Wis.; John L. Blester; *Conference on New Curricular Materials for Secondary School Science Teachers, Administrators, and School Board Members*; 10 months; \$2,130

Creighton University, Omaha, Nebr.; Arnold J. Moore; *In-Service Training Program for High School Biology Teachers Correlated with the Biological Sciences Curriculum Study Materials*; 16 months; \$11,300

Duke University, Durham, N.C.; J. J. Gergen; *Experimental Program in the Retraining of Armed Service Officers for Teaching Mathematics*; 11 months; \$14,000

Emory University, Atlanta, Ga.; W. B. Baker; *Program Involving a Television Course on Science for Elementary School Teachers*; 2 years; \$27,440

Fisk University, Nashville, Tenn.; Nelson Fuson; *Selected Academic Participants to Attend the Fourteenth Annual Fisk University Infrared Spectroscopy Institute*; 8 months; \$5,875

Massachusetts Institute of Technology, Cambridge; Arthur C. Smith; *Experimental Solid State Physics*; 8 months; \$19,575

Michigan College of Mining and Technology, Houghton; E. A. Bourdo, Jr., Ford Forestry Center, L'Anse; *Chemical and Biological Laboratory Training for High School Teachers*; 1 year; \$4,520

New York State Society for Medical Research, Incorporated, New York, N.Y.; Frederic Kavalier, State University of New York, Brooklyn; *Modern Aspects of Biology: Laboratory Experiments in Physiology*; 7 months; \$20,520

Occidental College, Los Angeles, Calif.; Frank L. Lambert; *A Conference on Recent Advances in Chemistry*; 10 months; \$3,100

Oregon State University, Corvallis; Vernon H. Cheldelin; *Biology Colloquium*; 45 months; \$7,500

Polytechnic Institute of Brooklyn, N.Y.; Albert D. Capuro; *Retraining Program for the Preparation of Emigrant Scientists and Engineers to Teach in United States Colleges and Universities*; 2 years; \$32,790

Pomona College, Claremont, Calif.; R. Nelson Smith; *Crisis: The Small College as a Source of Scientists*; 6 months; \$7,150

Portland State College, Portland, Ore.; Robert W. Remper; *Pioneering Graduate Course in Modern Mathematical Methods*; 16 months; \$4,660

Reed College, Portland, Ore.; Frederick D. Tabbutt; *Summer Program in Inorganic Chemistry*; 10 months; \$43,505

Rensselaer Polytechnic Institute, Troy, N.Y.; Stephen E. Wiberley; *Summer Program in Instrumental Analysis for College Teachers*; 10 months; \$26,400

Stanford University, Stanford, Calif.; Lawrence R. Blinks, Pacific Grove; *Summer Institute in Marine Biology for High School and Junior College Teachers*; 9 months; \$25,680

Syracuse University, Syracuse, N.Y.; W. R. LePage; *A Conference on Electrical Engineering Education*; 3 days; \$3,800

University of Miami, Coral Gables, Fla.; Carl H. Oppenheimer, Miami; *Program in Marine Microbiology*; 8 months; \$16,430

University of North Carolina, Chapel Hill; Joseph W. Straley; *Conferences on Recent Advances in Physics*; 9 months; \$2,180

University of Washington, Seattle; Roy Dubisch; *In-Service Institute in Elementary Mathematics for High School Teachers*; 10 months; \$10,030

University of Wisconsin, Madison; R. D. Wagner; *In-Service Project for High School Algebra Teachers by Use of Correspondence Study Materials*; 15 months; \$33,670

SUPPLEMENTARY TRAINING FOR UNDERGRADUATES

Illinois Institute of Technology, Chicago; Andrew A. Fejer; *Conference on Undergraduate Research Participation in Engineering*; 18 months; \$29,650

University of Colorado, Boulder; Joseph W. Cohen; *Science Honors Information and Research Project*; 1 year; \$89,100

Frank Kreth; *Summer Conference on Honors Programs in Colleges of Engineering*; 18 months; \$28,980

TRAVELING SCIENCE LIBRARIES

American Association for the Advancement of Science, Washington, D.C.; Hilary J. Deason; *Traveling Elementary School Science Library*; 18 months; \$65,000

UNDERGRADUATE INSTRUCTIONAL SCIENTIFIC EQUIPMENT

Abilene Christian College, Abilene, Tex.; H. Douglas Dean; 2 years; \$12,060
Tommy J. McCord; 2 years; \$7,460

Adelphi College, Garden City, Long Island, N.Y.; Alfred M. Vogel; 2 years; \$12,200

Agricultural and Mechanical College of Texas, College Station; Glen D. Hallmark; 2 years; \$22,370

James G. Potter; 2 years; \$23,120
Clifford M. Simmang; 2 years; \$13,770
W. O. Trogdon; 2 years; \$21,230

Alabama College, Montevallo; Paul C. Bailey; 2 years; \$4,640

Albany State College, Albany, Ga.; William E. Johnson, Jr.; 2 years; \$10,210

Albion College, Albion, Mich.; Robert L. Luttermoser; 2 years; \$9,990

Albright College, Reading, Pa.; Mahlon H. Hellerich; 2 years; \$6,300

ALFRED UNIVERSITY, Alfred, N.Y.; Peter S. Finlay; 2 years; \$2,650
John L. Stull; 2 years; \$1,050

ALLEGHENY COLLEGE, Meadville, Pa.; Robert E. Bugbee; 2 years; \$8,170
Georgiana W. Scovill; 2 years; \$15,830

ALMA COLLEGE, Alma, Mich.; Lester E. Eyer; 2 years; \$7,930

AMHERST COLLEGE, Amherst, Mass.: L. Willard Richards; 2 years; \$13,810

ANNA MARIA COLLEGE FOR WOMEN, Paxton, Mass.; Sister M. Rose Bernadette; 2 years; \$1,600

ANDREWS UNIVERSITY, Berrien Springs, Mich.; Ariel A. Roth; 2 years; \$10,000

ANTIOCH COLLEGE, Yellow Springs, Ohio; Edmund W. Samuel; 2 years; \$10,000

APPALACHIAN STATE TEACHERS COLLEGE, Boone, N.C.; F. Ray Derrick; 2 years; \$11,130

ARIZONA STATE COLLEGE, Flagstaff; Agnes M. Allen; 2 years; \$7,120

ARIZONA STATE UNIVERSITY, Tempe: A. M. Dycus; 2 years; \$20,000
LeRoy Eyring; 2 years; \$25,000
Truet B. Thompson; 2 years; \$20,000

ARKANSAS POLYTECHNIC COLLEGE, Russellville; Jack G. Dodd; 2 years; \$4,000

ASHLAND COLLEGE, Ashland, Ohio; Milton P. Puterbaugh; 2 years; \$6,660

BALDWIN-WALLACE COLLEGE, Berea, Ohio; T. C. Surrarier; 2 years; \$10,420

BALL STATE TEACHERS COLLEGE, Muncie, Ind.; Park A. Wiseman; 2 years; \$10,000

BARRY COLLEGE, Miami, Fla.; Sister Agnes Louise, Stechschulte; 2 years; \$2,120

BATES COLLEGE, Lewiston, Maine; John B. Annett; 2 years; \$13,810

BELLARMINE COLLEGE, Louisville, Ky.; John M. Daly; 2 years; \$7,340

BELOIT COLLEGE, Beloit, Wis.; Carl Welty; 2 years; \$18,530

BEMIDJI STATE, Bemidji, Minn.; Wesley W. Winter; 2 years; \$8,890

BETHEL COLLEGE, North Newton, Kans.; Albert J. Meyer; 2 years; \$2,640

BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Kenneth M. Gordon; 2 years; \$5,170

BOSTON COLLEGE, Chestnut Hill, Mass.; William D. Sullivan; 2 years; \$10,060
Frederick E. White; 2 years; \$6,000

BOSTON UNIVERSITY, Boston, Mass.; Charles K. Levy; 2 years; \$15,740
J. Gordon Stipe, Jr.; 2 years; \$11,420

BOWDOIN COLLEGE, Brunswick, Maine; Alton H. Gustafson; 2 years; \$20,000

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 2 years; \$10,500

BRADLEY UNIVERSITY, Peoria, Ill.; Martin G. Abegg; 2 years; \$28,000
H. A. Moore; 2 years; \$10,000
C. E. Smith; 2 years; \$7,270

BRANDEIS UNIVERSITY, Waltham, Mass.; Edgar Zwilling; 2 years; \$11,310

BRESCIA COLLEGE, Owensboro, Ky.; Sister Martha Ann Cargile; 2 years; \$3,500

BROOKLYN COLLEGE, N.Y.; George Gibson; 2 years; \$8,000
Albert N. Guthrie; 2 years; \$7,620
George S. Tulloch; 2 years; \$4,580

BROWN UNIVERSITY, Providence, R.I.; Joseph F. Bunnett; 2 years; \$8,280
Richard A. Fund; 2 years; \$14,570
P. D. Richardson; 2 years; \$13,770
Harold Schlosberg; 2 years; \$13,550

BRYN MAWR COLLEGE, Bryn Mawr, Pa.; M. E. Bitterman; 2 years; \$14,520

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Robert A. Artman; 2 years; \$20,810
Carl H. Kindig; 2 years; \$15,150

CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; Richard M. Badger; 2 years; \$22,830

CALIFORNIA STATE POLYTECHNIC COLLEGE, San Luis Obispo; Harold P. Hayes; 2 years; \$20,000

CALVIN COLLEGE, Grand Rapids, Mich.; Bernard J. TenBroek; 2 years; \$4,980

CANISUS COLLEGE, Buffalo, N.Y.; Herman A. Szymanski; 2 years; \$12,000

CAPITAL UNIVERSITY, Columbus, Ohio; Charles H. Oestreich; 2 years; \$5,240

CARLETON COLLEGE, Northfield, Minn.; Richard W. Ramette; 2 years; \$12,960

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Carl C. Monrad; 2 years; \$18,440
M. C. Shaw; 2 years; \$22,000
E. M. Williams; 2 years; \$20,000

CARTHAGE COLLEGE, Carthage, Ill.; Kenneth L. Hamm; 2 years; \$6,680

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Ray E. Bolz; 2 years; \$24,990

CATAWBA COLLEGE, Salisbury, N.C.; Maurice C. Powers; 2 years; \$7,020

CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; James Brennan; 2 years; \$25,000

CENTENARY COLLEGE, Shreveport, La.; Marvin Wayne Hanson; 2 years; \$11,430

CENTRAL METHODIST COLLEGE, Fayette, Mo.; Leonard D. Flansburg; 2 years; \$10,400

CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant; LaVerne L. Curry; 2 years; \$19,260

CENTRAL MISSOURI STATE COLLEGE, Warrensburg; Charles D. Heaton; 2 years; \$5,490
Sam P. Hewitt; 2 years; \$12,500

CENTRE COLLEGE OF KENTUCKY, Danville; Roy Ellis; 2 years; \$17,500

CHATHAM COLLEGE, Pittsburgh, Pa.; Earl K. Wallace; 2 years; \$8,000

CITY COLLEGE, New York, N.Y.; Kurt E. Lowe; 2 years; \$16,170

CLARK UNIVERSITY, Worcester, Mass.; Roy S. Anderson; 2 years; \$16,080

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; Milton Kerker; 2 years; \$20,390
Edward T. Miaszsek; 2 years; \$12,500

CLEMSON COLLEGE, Clemson, S.C.; L. D. Huff; 2 years; \$12,520
G. C. Robinson; 2 years; \$13,170

COLBY COLLEGE, Waterville, Maine; Dennison Bancroft; 2 years; \$4,660

COLGATE UNIVERSITY, Hamilton, N.Y.; James A. Storing; 2 years; \$18,900

COLLEGE OF CHARLESTON, Charleston, S.C.; Harry W. Freeman; 2 years; \$6,000

COLLEGE OF THE HOLY CROSS, Worcester, Mass.; James K. Connolly; 2 years; \$4,400
Joseph A. Martus; 2 years; \$7,000

COLLEGE OF NEW ROCHELLE, New Rochelle, N.Y.; Mary Dora Rogick; 2 years; \$3,030

COLLEGE OF PHARMACY OF THE CITY OF NEW YORK, N.Y.; E. E. Leuallen; 2 years; \$3,000

COLLEGE OF ST. ELIZABETH, Convent Station, N.J.; Sister Maria Carlita Boulton; 2 years; \$9,220

COLLEGE OF ST. MARY OF THE SPRINGS, Columbus, Ohio; Sister M. Suzanne Uhrhane; 2 years; \$3,880

COLLEGE OF ST. THOMAS, St. Paul, Minn.; Clarence B. Germain; 2 years; \$25,000

COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.; William G. Guy; 2 years; \$10,430
Melvin A. Pittman; 2 years; \$12,500

COLLEGE OF WOOSTER, Wooster, Ohio; Henry Loess; 2 years; \$19,770

COLORADO SCHOOL OF MINES, Golden; V. Allan Long; 2 years; \$4,630

COLORADO STATE COLLEGE, Greeley; John A. Beel; 2 years; \$12,440

COLORADO STATE UNIVERSITY, Fort Collins; O. Wilford Olsen; 2 years; \$17,170

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Franklin A. Graybill; 2 years; \$5,890

CONCORDIA COLLEGE, Moorhead, Minn.; Daryl L. Ostercamp; 2 years; \$11,640

CONNECTICUT COLLEGE, New London; Otello L. Desiderato; 2 years; \$4,020

CORNELL COLLEGE, Mount Vernon, Iowa; T. Edwin Rogers; 2 years; \$8,250

CORNELL UNIVERSITY, Ithaca, N.Y.; Harlan P. Banks; 2 years; \$15,000
James J. Gibson; 2 years; \$14,000
L. G. Parratt; 2 years; \$13,890
H. A. Scheraga; 2 years; \$19,560

CREIGHTON UNIVERSITY, Omaha, Neb.; Clarence M. Wagener; 2 years; \$9,500

DARTMOUTH COLLEGE, Hanover, N.H.; James F. Hornig; 2 years; \$16,140
William T. Jackson; 2 years; \$9,710

DAVID LIPSCOMB COLLEGE, Nashville, Tenn.; William Everette Hunt; 2 years; \$10,000

DAVIDSON COLLEGE, Davidson, N.C.; Locke White, Jr.; 2 years; \$25,000

DEPAUW UNIVERSITY, Greencastle, Ind.; Albert E. Reynolds; 2 years; \$7,000

DRAKE UNIVERSITY, Des Moines, Iowa; Leiland P. Johnson; 2 years; \$25,000

DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa.; George E. Dieter, Jr.; 2 years; \$15,000

DUKE UNIVERSITY, Durham, N.C.; E. Willard Berry; 2 years; \$5,380
Henry A. Fairbank; 2 years; \$11,420

DUNBARTON COLLEGE OF HOLY CROSS, Washington, D.C.; Sister M. Ann Elizabeth Waters; 2 years; \$1,530

EARLHAM COLLEGE, Richmond, Ind.; David Telfair; 2 years; \$8,500

EASTERN BAPTIST COLLEGE, St. Davids, Pa.; Kingsley L. Greene; 2 years; \$2,520

EASTERN ILLINOIS UNIVERSITY, Charleston; Harris E. Phipps; 2 years; \$5,500

EASTERN MENNONITE COLLEGE, Harrisonburg, Va.; D. Ralph Hostetter; 2 years; \$9,000

EASTERN NAZARENE COLLEGE, Wollaston, Mass.; John S. Rigden; 2 years; \$10,000

EASTERN WASHINGTON STATE COLLEGE, Cheney; Vincent L. Stevens; 2 years; \$9,000

EAST TENNESSEE STATE UNIVERSITY, Johnson City; Stanford H. Johnson; 2 years; \$25,000

EDGEWOOD COLLEGE OF THE SACRED HEART, Madison, Wis.; Sister M. Elaine Feldballe; 2 years; \$1,930

ELIZABETH CITY STATE TEACHERS COLLEGE, Elizabeth City, N.C.; Emily M. Horrington; 2 years; \$6,000

EMORY AND HENRY COLLEGE, Emory, Va.; Cecil M. Nelson; 2 years; \$5,000

EMORY UNIVERSITY, Atlanta, Ga.; James W. Simmons; 2 years; \$20,000

ERSKINE COLLEGE, Due West, S.C.; E. A. Sloan; 2 years; \$5,020

FENN COLLEGE, Cleveland, Ohio; Frank J. Bockhoff; 2 years; \$13,380

FINDLAY COLLEGE, Findlay, Ohio; George C. Towe; 2 years; \$2,490

FLORIDA PRESBYTERIAN COLLEGE, St. Petersburg; Dexter Squibb; 2 years; \$6,760

FLORIDA STATE UNIVERSITY, Tallahassee; Robert A. Kromhout; 2 years; \$24,950

FORDHAM UNIVERSITY, New York, N.Y.; Charles A. Berger; 2 years; \$9,450
Joseph F. Mulligan; 2 years; \$21,870

FORT HAYS KANSAS STATE COLLEGE, Hays; Harold S. Chogull; 2 years; \$6,000

FORT LEWIS AGRICULTURAL AND MECHANICAL COLLEGE, Durango, Colo.; Herbert E. Owen; 2 years; \$7,000

FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; Fred H. Suydam; 2 years; \$14,700

GENEVA COLLEGE, Beaver Falls, Pa.; Roy M. Adams; 2 years; \$8,600

GEORGIAN COURT COLLEGE, Lakewood, N.J.; Sister Mary Grace Burns; 2 years; \$6,430

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; N. H. Barnette; 2 years; \$25,000
J. W. Williams; 2 years; \$22,480

GEORGIA SOUTHERN COLLEGE, Statesboro; John A. Boole, Jr.; 2 years; \$1,250

GETTYSBURG COLLEGE, Gettysburg, Pa.; Kenneth L. Smoke; 2 years; \$5,000

GLASSBORO STATE COLLEGE, Glassboro, N.J.; Charles H. Green; 2 years; \$4,150

GONZAGA UNIVERSITY, Spokane, Wash.; E. James Davis; 2 years; \$8,660

GOOD COUNSEL COLLEGE, White Plains, N.Y.; Sister Mary Eugenia; 2 years; \$950

GOUCHER COLLEGE, Baltimore, Md.; Belle Otto; 2 years; \$21,920

GRINNELL COLLEGE, Grinnell, Iowa; Joseph D. Danforth; 2 years; \$17,960
Roger J. Hanson; 2 years; \$15,000

GUSTAVUS ADOLPHUS COLLEGE, St. Peter, Minn.; Arne N. Langsjoen; 2 years; \$5,200

HAMILTON COLLEGE, Clinton, N.Y.; James W. Ring; 2 years; \$12,000
Philip V. Rogers; 2 years; \$10,940

HAMLIN UNIVERSITY, St. Paul, Minn.; Walter A. Kenyon; 2 years; \$3,080

HAMPDEN-SYDNEY COLLEGE, Hampden-Sydney, Va.; W. T. Joyner; 2 years; \$4,960

HANOVER COLLEGE, Hanover, Ind.; Enos G. Pray; 2 years; \$5,000

HARTWICK COLLEGE, Oronota, N.Y.; F. W. Miller; 2 years; \$15,000

HARVARD UNIVERSITY, Cambridge, Mass.; Donald R. Griffin; 2 years; \$25,000
 Ronald E. Vanelli; 2 years; \$17,850

HARVEY MUDD COLLEGE, Claremont, Calif.; Alfred B. Focke; 2 years; \$17,500

HASTINGS COLLEGE, Hastings, Nebr.; Clyde C. Sachtleben; 2 years; \$4,970

HAVERFORD COLLEGE, Haverford, Pa.; Robert I. Walter; 2 years; \$13,150

HEIDELBERG COLLEGE, Tiffin, Ohio; Arthur G. McQuate; 2 years; \$8,000

HOBART AND WILLIAM SMITH COLLEGES, Geneva, N.Y.; Sabinus H. Christensen; 2 years; \$5,000

HOFSTRA COLLEGE, Hempstead, Long Island, N.Y.; Richard R. Holmes; 2 years; \$10,870

HOLLINS COLLEGE, Hollins College, Va.; Ralph G. Steinhardt, Jr.; 2 years; \$5,640

HOOD COLLEGE, Frederick, Md.; Phyllida M. Willis; 2 years; \$5,280

HOPK COLLEGE, Holland, Mich.; Gerrit Van Zyl; 2 years; \$13,560

HOWARD UNIVERSITY, Washington, D.C.; Halson V. Eagleson; 2 years; \$21,070

HUNTER COLLEGE, New York, N.Y.; Robert Berryman; 2 years; \$6,940
 Marcia D. Brody; 2 years; \$7,410
 Bernard Kramer; 2 years; \$7,570

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; C. H. Hoffman; 2 years; \$13,180
 Arthur E. Martell; 2 years; \$14,820

IMMACULATE HEART COLLEGE, Los Angeles, Calif.; Sister Agnes Ann Green; 2 years; \$10,000

INDIANA INSTITUTE OF TECHNOLOGY, Fort Wayne; Warren E. Hoffman; 2 years; \$12,000

INDIANA STATE COLLEGE, Indiana, Pa.; Dwight E. Sollberger; 2 years; \$15,000

INDIANA UNIVERSITY FOUNDATION, Bloomington; Harry G. Day; 2 years; \$24,990
 L. S. McClung; 2 years; \$25,000

IONA COLLEGE, New Rochelle, N.Y.; Viateur Rousseau; 2 years; \$4,880

IOWA STATE UNIVERSITY, Ames; William L. Larsen; 2 years; \$13,430
 Glen A. Russell; 2 years; \$16,420
 F. G. Smith; 2 years; \$14,750
 Thomas D. Wheelock; 2 years; \$22,560
 D. J. Zaffarano; 2 years; \$8,000

JACKSONVILLE UNIVERSITY, Jacksonville, Fla.; Harold W. Barrett; 2 years; \$6,560

JOHN CARROLL UNIVERSITY, Cleveland, Ohio; Harry C. Nash; 2 years; \$10,450

JUNIATA COLLEGE, Huntingdon, Pa.; B. E. Blaisdell; 2 years; \$22,090

KANSAS STATE COLLEGE OF PITTSBURG; Delta Warren Gler; 2 years; \$16,200

KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 2 years; \$25,000

KANSAS STATE UNIVERSITY, Manhattan; Warren W. Brandt; 2 years; \$24,990
 Charles V. Hall; 2 years; \$9,840
 Merrill E. Noble; 2 years; \$10,330

KANSAS WESLEYAN UNIVERSITY, Salina; Bernard L. Owen; 2 years; \$5,000

KENT STATE UNIVERSITY, Kent, Ohio; Glenn H. Brown; 2 years; \$24,600

KENTUCKY RESEARCH FOUNDATION, Lexington; Norman C. Small; 2 years; \$10,000
 Francis L. Yost; 2 years; \$24,870

KENYON COLLEGE, Gambler, Ohio; James M. Pappenhagen; 2 years; \$5,010

KEUKA COLLEGE, Keuka Park, N.Y.; Lydia Jahn Gambrell; 2 years; \$9,000

KING'S COLLEGE, Wilkes-Barre, Pa.; William H. Donahue; 2 years; \$10,000

KNOX COLLEGE, Galesburg, Ill.; George H. Ward; 2 years; \$10,000

KNOXVILLE COLLEGE, Knoxville, Tenn.; C. J. Hochanadel; 2 years; \$1,680

LAFAYETTE COLLEGE, Easton, Pa.; J. R. Beerbower; 2 years; \$6,900

LAGRANGE COLLEGE, LaGrange, Ga.; John L. Shibley; 2 years; \$2,680

LAKE FOREST COLLEGE, Lake Forest, Ill.; John W. Coutts; 2 years; \$20,180

LA MOYNE COLLEGE, Memphis, Tenn.; W. W. Gibson; 2 years; \$8,700

LE MOYNE COLLEGE, Syracuse, N.Y.; Robert O. Brennan; 2 years; \$2,880

LA SALLE COLLEGE, Philadelphia, Pa.; John S. Penny; 2 years; \$10,000

LA SIERRA COLLEGE, Arlington, Calif.; James W. Riggs, Jr.; 2 years; \$10,500

LAWRENCE COLLEGE, Appleton, Wis.; J. Bruce Brackenridge; 2 years; \$5,000

LEHIGH UNIVERSITY, Bethlehem, Pa.; George R. Jenkins; 2 years; \$25,000
 George R. Jenkins; 2 years; \$17,530
 George R. Jenkins; 2 years; \$20,000

LINCOLN UNIVERSITY, Jefferson City, Mo.; Walter R. Talbot; 2 years; \$14,940

LINCOLN UNIVERSITY, Lincoln University, Pa.; Robert M. Chute; 2 years; \$5,700

LITTLE ROCK UNIVERSITY, Little Rock, Ark.; John I. Petz; 2 years; \$13,500

LOCK HAVEN STATE COLLEGE, Lock Haven, Pa.; Mason Lee Fisher; 2 years; \$7,890

LONG ISLAND UNIVERSITY, Brooklyn, N.Y.; Shirley D. Kraus; 2 years; \$3,240

LORAS COLLEGE, Dubuque, Iowa; George N. Schulte; 2 years; \$9,000

LOUISIANA STATE UNIVERSITY, Baton Rouge; Willie M. Reams, Jr.; 2 years; \$22,700

LOYOLA UNIVERSITY, New Orleans, La.; John F. Keller; 2 years; \$24,170

LUTHER COLLEGE, Decorah, Iowa; Adrian M. Docken; 2 years; \$15,810

MACALESTER COLLEGE, St. Paul, Minn.; O. T. Walter; 2 years; \$17,500

MACMURRAY COLLEGE, Jacksonville, Ill.; Richard E. Freiburg; 2 years; \$4,780

MANCHESTER COLLEGE, North Manchester, Ind.; R. Emerson Niswander; 2 years; \$2,500

MANHATTAN COLLEGE, New York, N.Y.; John H. Fernandes; 2 years; \$12,500
 Brother C. James; 2 years; \$12,580
 Arthur B. Kemper; 2 years; \$17,000

MANKATO STATE COLLEGE, Mankato, Minn.; G. M. Wissink; 2 years; \$20,000

MARSHALL FOUNDATION, INC., Huntington, W. Va.; John H. Wotiz; 2 years; \$4,720

MARYCREST COLLEGE, Davenport, Iowa; Sister Mary Benita Pleper; 2 years; \$390

MARYGROVE COLLEGE, Detroit, Mich.; George E. F. Brewer; 2 years; \$4,800

MARY WASHINGTON COLLEGE, Fredericksburg, Va.; Samuel O. Bird; 2 years; \$2,110

MARYWOOD COLLEGE, Scranton, Pa.; Sister M. St. Anthony Radsikowski; 2 years; \$5,120

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; B. L. Averbach; 2 years; \$25,000
Arthur C. Cope, 2 years; \$25,000
E. L. Mollo-Christensen; 2 years; \$24,940
Irwin W. Sizer; 2 years; \$21,750

MCMURRY COLLEGE, Abilene, Tex.; John R. Hilliard, Jr.; 2 years; \$3,340

MERCY COLLEGE, Detroit Mich.; Sister Mary Mercy Gellenbeck; 2 years; \$3,000

MERCYHURST COLLEGE, Erie, Pa.; Sister M. Fidelis O'Connor; 2 years; \$5,200

MIAMI UNIVERSITY, Oxford, Ohio; Charles A. Sorrell; 2 years; \$7,580

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Marriott W. Bredekamp; 2 years; \$770
James D. Spain; 2 years; \$5,400

MICHIGAN STATE UNIVERSITY, East Lansing; Abram M. Barch; 2 years; \$6,740
Alexander I. Popov; 2 years; \$20,000
C. E. Prouty; 2 years; \$15,770
Charles S. Thornton; 2 years; \$11,410

MISSISSIPPI STATE COLLEGE, FOR WOMEN, Columbus; James C. Wilkes, Jr.; 2 years; \$9,070

MISSISSIPPI STATE UNIVERSITY, State College; J. C. McKee, Jr.; 2 years; \$24,990

MONTANA STATE COLLEGE, Bozeman; Byron J. Bennett; 2 years; \$15,000
Rod O'Connor; 2 years; \$21,900

MONTANA STATE UNIVERSITY, Missoula; R. A. Diettert; 2 years; \$4,790
C. R. Jeppesen; 2 years; \$4,730

MOREHOUSE COLLEGE, Atlanta, Ga.; Henry C. McBay; 2 years; \$24,930

MORGAN STATE COLLEGE, Baltimore, Md.; Clarence L. E. Monroe; 2 years; \$10,000

MORNINGSIDE COLLEGE, Slou City, Iowa; Robert Wood Green; 2 years; \$8,920

MOUNT HOLYOKE COLLEGE, South Hadley, Mass.; Jytte Muus; 2 years; \$24,960

MOUNT UNION COLLEGE, Alliance, Ohio; J. L. Blount; 2 years; \$7,480
L. A. Pappenhagen; 2 years; \$6,750

MUHLENBERG COLLEGE, Allentown, Pa.; Daniel C. Springer; 2 years; \$7,660

NEBRASKA STATE TEACHERS COLLEGE, Chadron; Lyle V. Andrews; 2 years; \$7,440

NEBRASKA WESLEYAN UNIVERSITY, Lincoln; Paul H. Laursen; 2 years; \$9,900

NEWARK COLLEGE OF ENGINEERING, Newark, N.J.; Mauro Zambuto; 2 years; \$12,200

NEW YORK UNIVERSITY, New York, N.Y.; Stuart W. Cook; 2 years; \$12,090
James Michalos; 2 years; \$6,750
James H. Mulligan; 2 years; \$19,760
Robert E. Silverman; 2 years; \$9,290

NIAGARA UNIVERSITY, Niagara University, N.Y.; John J. Reedy; 2 years; \$15,000

NORTH CENTRAL COLLEGE, Naperville, Ill.; A. C. Buck; 2 years; \$5,500

NORTH DAKOTA STATE UNIVERSITY, Fargo; James R. Dogger; 2 years; \$6,000
Donald Schwartz; 2 years; \$10,130
James P. Vacik; 2 years; \$7,280

NORTHEASTERN UNIVERSITY, Boston, Mass.; Nathan W. Riser; 2 years; \$16,000
Robert A. Shepard; 2 years; \$12,500

NORTHERN ILLINOIS UNIVERSITY, De Kalb; Harold Feeny; 2 years; \$9,880

NORTHERN MICHIGAN COLLEGE, Marquette; Roy E. Heath; 2 years; \$8,740

NORTHERN INSTITUTE OF TECHNOLOGY, Inglewood, Calif.; Kenneth L. Strite; 2 years; \$2,210

NORTH TEXAS STATE UNIVERSITY, Denton; L. F. Connell, Jr.; 2 years; \$19,000
J. K. G. Silvey; 2 years; \$15,310

NOTRE DAME COLLEGE, Cleveland, Ohio; Sister Mary Christopher Rohner; 2 years; \$3,230

OAKLAND UNIVERSITY, Rochester, Mich.; Ralph C. Mobley; 2 years; \$22,000

OBERLIN COLLEGE, Oberlin, Ohio; Luke E. Steiner; 2 years; \$24,650

OCCIDENTAL COLLEGE, Los Angeles, Calif.; John W. McMenamin; 2 years; \$17,700

OHIO NORTHERN UNIVERSITY, Ada; Lawrence H. Archer; 2 years; \$25,000

OHIO STATE UNIVERSITY, Columbus; E. L. Jossem; 2 years; \$25,000
Arthur D. Lynn, Jr.; 2 years; \$23,720
Wayne B. Parrish; 2 years; \$22,500
Howard J. Pincus; 2 years; \$20,000
Garth W. Volk; 2 years; \$20,000

OHIO UNIVERSITY, Athens; Carl A. Frey; 2 years; \$4,310

OHIO WESLEYAN UNIVERSITY, Delaware; William F. Hahnert; 2 years; \$9,000
Howard N. Maxwell; 2 years; \$24,990

OKLAHOMA CITY UNIVERSITY, Okla.; Moody L. Coffman; 2 years; \$1,890

OKLAHOMA STATE UNIVERSITY, Stillwater; James H. Boggs; 2 years; \$24,790
O. C. Dermer; 2 years; \$9,570
Walter W. Hansen; 2 years; \$8,090
Robert N. Maddox; 2 years; \$20,000
Mariowe D. Thorne; 2 years; \$1,630

OLD DOMINION COLLEGE, Norfolk, Va.; Jacques S. Zaneveld; 2 years; \$6,200

OLIVET NAZARENE COLLEGE, Kankakee, Ill.; W. E. Snowbarger; 2 years; \$5,000

OREGON STATE UNIVERSITY, Corvallis; Bert E. Christensen; 2 years; \$9,210
P. R. Elliker; 2 years; \$6,840
Roger D. Olleman; 2 years; \$14,970
Leonard J. Weber; 2 years; \$14,750
Roy A. Young; 2 years; \$9,880

OUR LADY OF CINCINNATI COLLEGE, Ohio; Mary Jane Showers; 2 years; \$8,500

OUR LADY OF THE LAKE COLLEGE, San Antonio, Tex.; Sister Mary Clare Metz; 2 years; \$2,530

PARSONS COLLEGE, Fairfield, Iowa; William A. DeMeester; 2 years; \$9,440

PENNSYLVANIA MILITARY COLLEGE, Chester; Arthur T. Murphy; 2 years; \$25,000

PENNSYLVANIA STATE UNIVERSITY, University Park; Thomas F. Bates; 2 years; \$22,520
Alvin R. Grove; 2 years; \$24,870
William H. Park; 2 years; \$24,730
Carl Volz; 2 years; \$21,230

PFEIFFER COLLEGE, Misenheimer, N.C.; J. O. Manly; 2 years; \$6,220

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE, Philadelphia, Pa.; Arthur Osol; 2 years; \$17,000

POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; William B. Blesser; 2 years; \$21,600
 George J. Fischer; 2 years; \$23,430
 C. G. Overberger; 2 years; \$20,000

PRINCIPIA CORPORATION, St. Louis, Mo.; Forbes Robertson; 2 years; \$2,710

PRINCETON UNIVERSITY, Princeton, N.J.; Walter C. Johnson; 2 years; \$3,600
 Richard H. Wilhelm; 2 years; \$6,700

PROVIDENCE COLLEGE, Providence, R.I.; Walter A. Murtaugh; 2 years; \$3,890

PURDUE UNIVERSITY, Lafayette, Ind.; Gustav E. Cwalina; 2 years; \$17,500
 Brage Golding; 2 years; \$25,000
 Robert H. Kohr; 2 years; \$25,000
 Robert L. Livingston; 2 years; \$25,000
 Frederick C. Neidhardt; 2 years; \$20,000

QUEEN'S COLLEGE, Charlotte, N.C.; Mildred McEwen; 2 years; \$7,500

QUEENS COLLEGE, Flushing, Long Island, N.Y.; Daniel Marlen; 2 years; \$18,000
 John S. Stamm; 2 years; \$10,370

RADFORD COLLEGE, Radford, Va.; Floyd E. Jarvis, Jr.; 2 years; \$8,000

REED COLLEGE, Portland, Oreg.; Marshall W. Cronyn; 2 years; \$20,000

REGIS COLLEGE, Weston, Mass.; Sister Mary Emily; 2 years; \$5,000

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Donald S. Allen; 2 years; \$17,500
 J. D. O'Rourke, Buffalo; 2 years; \$17,500
 Walter S. Bradfield, Stony Brook; 2 years; \$7,500

RIDER COLLEGE, Trenton, N.J.; Thomas C. Mayer; 2 years; \$16,740

RIPON COLLEGE, Ripon, Wis.; Jack W. Powers; 2 years; \$12,360

ROCHESTER INSTITUTE OF TECHNOLOGY, N.Y.; Ralph L. Van Peursem; 2 years; \$12,800

ROOSEVELT UNIVERSITY, Chicago, Ill.; Eugene Lieber; 2 years; \$11,250
 H. H. Sheldon; 2 years; \$10,000

ROSAY COLLEGE, River Forest, Ill.; Sister Mary Brandon; 2 years; \$5,000

ROSAY HILL COLLEGE, Buffalo, N.Y.; Sister M. Regina Lanigan; 2 years; \$5,110

RUSSELL SAGE COLLEGE, Troy, N.Y.; Grace I. Van Dervoort; 2 years; \$5,290

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; William Bleman, III; 2 years; \$17,850
 George H. Smith; 2 years; \$15,000
 Roger S. Sweet; 2 years; \$13,000
 Henry C. Torrey; 2 years; \$18,420

SACRED HEART DOMINICAN COLLEGE, Houston, Tex.; J. L. Laseter; 2 years; \$2,420

ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Phillip Younger; 2 years; \$5,000

ST. EDWARD'S UNIVERSITY, Austin, Tex.; Daniel Lynch; 2 years; \$3,850

ST. FRANCIS COLLEGE, Brooklyn, N.Y.; John M. Burke; 2 years; \$6,000

ST. JOHN'S UNIVERSITY, Collegeville, Minn.; Fintan A. Bromenshenkel; 2 years; \$25,000

ST. JOSEPH COLLEGE, Emmitsburg, Md.; Sister Denise Eby; 2 years; \$5,000

ST. JOSEPH COLLEGE, West Hartford, Conn.; Sister Maria Clare Markham; 2 years; \$6,000

ST. LAWRENCE UNIVERSITY, Canton, N.Y.; Donald C. Peckham; 2 years; \$1,660

ST. LOUIS UNIVERSITY, Mo.; Arthur G. Rouse; 2 years; \$20,000

ST. MARTIN'S COLLEGE, Olympia, Wash.; Placidus Reischman; 2 years; \$2,660

ST. MARY'S DOMINICAN COLLEGE, New Orleans, La.; Sister Mary Albert; 2 years; \$3,330

ST. OLAF COLLEGE, Northfield, Minn.; Allen L. Hanson; 2 years; \$11,740

ST. PETER'S COLLEGE, Jersey City, N.J.; George J. Hillsdorf; 2 years; \$14,130

ST. VINCENT COLLEGE, Latrobe, Pa.; Bertin Emling; 2 years; \$3,680

ST. XAVIER COLLEGE, Chicago, Ill.; Sister Mary Esther; 2 years; \$2,800

SAN DIEGO STATE COLLEGE, Calif.; Harold Walba; 2 years; \$4,150

SAVANNAH STATE COLLEGE, Savannah, Ga.; Charles Pratt; 2 years; \$7,000

SEATTLE UNIVERSITY, Wash.; Francis P. Wood; 2 years; \$9,180

SETON HALL UNIVERSITY, South Orange, N.J.; Alfred V. Cellano; 2 years; \$16,200

SMITH COLLEGE, Northampton, Mass.; Adam H. Spees; 2 years; \$7,500

SOUTHEASTERN LOUISIANA COLLEGE, Hammond; Jack W. Knight; 2 years; \$12,000

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Ernest Sturch, Jr.; 2 years; \$4,500

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; J. W. Neckers; 2 years; \$15,600

SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Vandon E. White; 2 years; \$10,000

SOUTHWESTERN AT MEMPHIS, Memphis, Tenn.; Clinton L. Baker; 2 years; \$8,500

SOUTHWESTERN STATE COLLEGE, Weatherford, Okla.; F. W. Allen; 2 years; \$10,000
 Earl A. Reynolds; 2 years; \$14,880

SOUTHWESTERN UNIVERSITY, Georgetown, Tex.; Eb C. Girvin; 2 years; \$7,000

STATE TEACHERS COLLEGE, Minot, N. Dak.; Harry A. Robinson; 2 years; \$6,260

STATE UNIVERSITY OF IOWA, Iowa City; Jerry J. Kollros; 2 years; \$24,320
 Arthur W. Melloh; 2 years; \$24,980
 Sherwood D. Tuttle; 2 years; \$3,870
 James A. Van Allen; 2 years; \$24,740

STATE UNIVERSITY OF NEW YORK, Albany; Hidrich R. Martens, Buffalo; 2 years; \$25,000

STATE UNIVERSITY OF NEW YORK COLLEGE OF AGRICULTURE AT CORNELL UNIVERSITY, Ithaca; B. V. Travis; 2 years; \$14,500

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Theodore L. Reid; 2 years; \$18,000

STETSON UNIVERSITY, DeLand, Fla.; John F. Conn; 2 years; \$20,000

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Ajay K. Bose; 2 years; \$25,000
 Earl L. Koller; 2 years; \$15,000

SWARTHMORE COLLEGE, Swarthmore, Pa.; Robert K. Enders; 2 years; \$17,360

SWEET BRIAR COLLEGE, Sweet Briar, Va.; Phyllis W. Stevens; 2 years; \$2,410

SYRACUSE UNIVERSITY, Syracuse, N.Y.; William R. Fredrickson; 2 years; \$24,940
 Wilbur R. LePage; 2 years; \$24,930
 William M. Merrill; 2 years; \$18,500
 Henry E. Wirth; 2 years; \$24,970

TARKIO COLLEGE, Tarkio, Mo.; Homer A. Smith, Jr.; 2 years; \$5,380

TEMPLE UNIVERSITY, Philadelphia, Pa.; Jack V. Buerkle; 2 years; \$23,840

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; Samuel Anderson; 2 years; \$5,800

TENNESSEE WESLEYAN COLLEGE, Athens; Carl Honaker; 2 years; \$12,000

TEXAS COLLEGE OF ARTS AND INDUSTRIES, Kingsville; John S. Westmoreland; 2 years; \$3,340

TEXAS LUTHERAN COLLEGE, Seguin; O. E. Weigang; 2 years; \$3,940

TEXAS SOUTHERN UNIVERSITY, Houston; Robert J. Terry; 2 years; \$14,980

TEXAS TECHNOLOGICAL COLLEGE, Lubbock; Henry C. Thomas; 2 years; \$15,000

TOUGALOO SOUTHERN CHRISTIAN COLLEGE, Tougaloo, Miss.; John B. Garner; 2 years; \$1,870

TRINITY COLLEGE, Hartford, Conn.; Robert Lindsay; 2 years; \$19,640

TRINITY UNIVERSITY, San Antonio, Tex.; Max C. Bolen; 2 years; \$20,000

TUFTS UNIVERSITY, Medford, Mass.; Ashley S. Campbell; 2 years; \$12,480
 James D. Hume; 2 years; \$7,400

TULANE UNIVERSITY, New Orleans, La.; Hans B. Jonassen; 2 years; \$10,000
 Ralph M. Rotty; 2 years; \$18,500

UNION COLLEGE, Lincoln, Nebr.; Richard G. Leffler; 2 years; \$10,000

UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; Leonard B. Clark; 2 years; \$24,830
 George H. Reed; 2 years; \$7,000

UNIVERSITY OF AKRON, Ohio; Robert T. Harris; 2 years; \$3,350

UNIVERSITY OF ALABAMA, University; Eric Rodgers; 2 years; \$19,890

UNIVERSITY OF ARIZONA, Tucson; Walter S. Phillips; 2 years; \$5,610
 Jay E. Treat, Jr.; 2 years; \$20,430
 Martin A. Uman; 2 years; \$15,170

UNIVERSITY OF ARKANSAS, Fayetteville; Denys O. Akhurst; 2 years; \$7,790
 Phillip E. Bocquet; 2 years; \$7,030
 Paul C. Sharrah; 2 years; \$15,260

UNIVERSITY OF BRIDGEPORT, Conn.; William Garner; 2 years; \$15,000
 Andrew I. Peterson; 2 years; \$21,610

UNIVERSITY OF CALIFORNIA, Berkeley; A. S. Foss; 2 years; \$20,000
 Leonard Machlis; 2 years; \$11,650
 D. O. Emerson, Davis; 2 years; \$10,600
 Milton A. Miller, Davis; 2 years; \$11,860
 Gordon H. Ball, Los Angeles; 2 years; \$21,350

UNIVERSITY OF CHICAGO, Ill.; Norman H. Nachtrieb; 2 years; \$23,390

UNIVERSITY OF CINCINNATI, Ohio; Richard H. Durrell; 2 years; \$20,250
 William R. Wright; 2 years; \$25,000

UNIVERSITY OF COLORADO, Boulder; Bruce F. Curtis; 2 years; \$23,780
 George E. Gless; 2 years; \$21,640
 Martin E. Rickey; 2 years; \$25,000

UNIVERSITY OF CONNECTICUT, Storrs; Hugh Clark; 2 years; \$20,770
 Albert H. Cooper; 2 years; \$25,000
 William L. Masterton; 2 years; \$20,000
 Frederick E. Steigert; 2 years; \$15,000

UNIVERSITY OF DELAWARE, Newark; Gorham Lane; 2 years; \$24,950
 Ferd E. Williams; 2 years; \$18,000

UNIVERSITY OF DENVER, Colo.; Arlie E. Paige; 2 years; \$12,000

UNIVERSITY OF DETROIT, Mich.; Everette L. Henderson; 2 years; \$12,380
 Paul M. Reinhard; 2 years; \$11,790

UNIVERSITY OF FLORIDA, Gainesville; Edgar W. Kopp; 2 years; \$13,790
 Howard K. Wallace; 2 years; \$25,000
 J. D. Winefordner; 2 years; \$17,500

UNIVERSITY OF GEORGIA, Athens; J. J. Powers; 2 years; \$19,000

UNIVERSITY OF HAWAII, Honolulu; David E. Contois; 2 years; \$24,920
 D. Elmo Hardy; 2 years; \$9,950
 Albert L. Tester; 2 years; \$22,000

UNIVERSITY OF HOUSTON, Tex.; H. T. Hudson; 2 years; \$6,590
 DeWitt C. Van Sicken; 2 years; \$7,390

UNIVERSITY OF ILLINOIS, Urbana; H. E. Carter; 2 years; \$25,000
 Don U. Deere; 2 years; \$24,760
 Lloyd G. Humphreys; 2 years; \$24,980
 H. H. Korst; 2 years; \$25,000
 C. Ladd Prosser; 2 years; \$25,000

UNIVERSITY OF KANSAS, Lawrence; William M. Bass; 2 years; \$5,820
 Kenneth C. Deemer; 2 years; \$25,000
 Charles A. Leone; 2 years; \$23,160
 Edward E. Smisman; 2 years; \$24,160

UNIVERSITY OF KANSAS CITY, Mo.; Leslie L. Eisenbrandt; 2 years; \$6,200

UNIVERSITY OF MAINE, Orono; R. J. Campana; 2 years; \$11,000
 G. L. Goglia; 2 years; \$25,000
 Frederick H. Radke; 2 years; \$10,740

UNIVERSITY OF MARYLAND, College Park; Charles E. White; 2 years; \$17,500

UNIVERSITY OF MASSACHUSETTS, Amherst; John H. Dittfach; 2 years; \$10,000
 Claude C. Neet; 2 years; \$12,000

UNIVERSITY OF MICHIGAN, Ann Arbor; Leigh C. Anderson; 2 years; \$24,910
 Wayne E. Hazen; 2 years; \$19,860
 Kenneth L. Jones; 2 years; \$13,800
 Robert H. Kadlec; 2 years; \$19,120
 James V. McConnell; 2 years; \$10,000

UNIVERSITY OF MINNESOTA, Minneapolis; Benjamin J. Lazan; 2 years; \$19,520
 Francis B. Moore; 2 years; \$12,680
 W. G. Shepherd; 2 years; \$21,120

UNIVERSITY OF MISSISSIPPI, University; Maeburn B. Huneycutt; 2 years; \$17,770
 John B. Wolfe; 2 years; \$4,830

UNIVERSITY OF MISSOURI, Columbia; Wesley J. Dale; 2 years; \$17,500
 Clair L. Kucera; 2 years; \$18,000
 Roger E. Nolte, Rolla; 2 years; \$15,000
 Dudley Thompson, Rolla; 2 years; \$25,000
 C. M. Wallis; 2 years; \$14,000

UNIVERSITY OF NEVADA, Reno; Cyrus O. Guss; 2 years; \$9,750
 R. E. Worley; 2 years; \$5,430

UNIVERSITY OF NEW HAMPSHIRE, Durham; Alexander R. Amell; 2 years; \$13,000
 Harold E. Langley, Jr.; 2 years; \$5,090

UNIVERSITY OF NEW MEXICO, Albuquerque; Roger Y. Anderson; 2 years; \$19,500
 Glenn A. Crosby; 2 years; \$15,000
 E. C. Dove; 2 years; \$13,070

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; C. R. Bell; 2 years; \$12,500
 John W. Cell; 2 years; \$12,100
 J. K. Ferrell; 2 years; \$14,950
 Roy L. Ingram; 2 years; \$21,420
 William P. Ingram, Jr.; 2 years; \$19,000
 H. E. Lehman; 2 years; \$25,000
 John M. Parker, III; 2 years; \$4,530
 Florence Schaeffer; 2 years; \$7,190

UNIVERSITY OF NORTH DAKOTA, Grand Forks; John D. Dixon; 2 years; \$5,530
 Wilson M. Laird; 2 years; \$17,500

UNIVERSITY OF NOTRE DAME, Ind.; Henry J. Bolger; 2 years; \$8,230
 Edward W. Jerger; 2 years; \$13,390

UNIVERSITY OF OKLAHOMA, Norman; Cliff E. Hopla; 2 years; \$24,500
 Alfred J. Weinheimer; 2 years; \$12,500

UNIVERSITY OF PENNSYLVANIA, Philadelphia; John G. Brainerd; 2 years; \$24,160
 Jacob Nachmias; 2 years; \$7,500
 Thomas H. Wood; 2 years; \$21,620

UNIVERSITY OF PITTSBURGH, Pa.; J. Alfred Berger; 2 years; \$20,000
 James Coull; 2 years; \$24,960
 A. F. Frederickson; 2 years; \$15,000

UNIVERSITY OF PORTLAND, Oreg.; Sheridan P. McCabe; 2 years; \$1,940

UNIVERSITY OF PUERTO RICO, Rio Piedras; Rafael Arce; 2 years; \$13,220
 Manuel Garcia Morin; 2 years; \$15,000

UNIVERSITY OF RHODE ISLAND, Kingston; Charles Polk; 2 years; \$15,620

UNIVERSITY OF ROCHESTER, N.Y.; R. M. Blakney; 2 years; \$22,440
 Ernest W. Caspari; 2 years; \$24,620

UNIVERSITY OF ST. THOMAS, Houston, Tex.; Patrick O. Braden; 2 years; \$4,000

UNIVERSITY OF SCRANTON, Pa.; Umbay H. Burti; 2 years; \$11,690

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; C. R. Freberg; 2 years; \$10,000
 Paul D. Saltman; 2 years; \$10,000
 Paul R. Saunders; 2 years; \$24,820

UNIVERSITY OF SOUTHERN MISSISSIPPI, Hattiesburg; C. E. Lane, Jr.; 2 years; \$12,500

UNIVERSITY OF TAMPA, Fla.; Robert E. Wean; 2 years; \$1,670

UNIVERSITY OF TENNESSEE, Knoxville; Norman Campbell; 2 years; \$5,000

UNIVERSITY OF TEXAS, Austin; Robert E. Eakin; 2 years; \$17,500
 B. N. Gafford; 2 years; \$15,000
 Harold P. Hanson; 2 years; \$10,000

UNIVERSITY OF THE SOUTH, Sewanee, Tenn.; David B. Camp; 2 years; \$5,650

UNIVERSITY OF UTAH, Salt Lake City; Edward M. Eyring; 2 years; \$7,090
 L. David Hiner; 2 years; \$14,000
 Paul B. Porter; 2 years; \$11,700
 Milton E. Wadsworth; 2 years; \$13,660

UNIVERSITY OF VIRGINIA, Charlottesville; Mark G. Foster; 2 years; \$4,340
 L. Starling Reid; 2 years; \$17,450
 W. D. Whitehead; 2 years; \$22,500

UNIVERSITY OF WASHINGTON, Seattle; Austin V. Eastman; 2 years; \$11,900
 Eugene Galanter; 2 years; \$23,440
 Gordon D. Marchworth; 2 years; \$16,160

UNIVERSITY OF WICHITA, Kans.; John B. Breaseale; 2 years; \$7,050
 Robert Christian, Jr.; 2 years; \$1,990

UNIVERSITY OF WISCONSIN, Madison; John D. Ferry; 2 years; \$25,000
 Philip Lambert; 2 years; \$24,280
 C. G. Screven; 2 years; \$13,250
 J. F. Stauffer; 2 years; \$18,830
 Dale E. Wurster; 2 years; \$25,000

UNIVERSITY OF WYOMING, Laramie; S. H. Knight; 2 years; \$20,000
 Edward M. Lonsdale; 2 years; \$20,550

UPSALA COLLEGE, East Orange, N.J.; K. J. Schwing; 2 years; \$6,290

UTAH STATE UNIVERSITY, Logan; Melvin C. Cannon; 2 years; \$15,000
 Larry S. Cole; 2 years; \$7,920

VALPARAISO UNIVERSITY, Valparaiso, Ind.; Robert J. Hanson; 2 years; \$5,250
 William Shewan; 2 years; \$8,960

VANDERBILT UNIVERSITY, Nashville, Tenn.; Lamar Field; 2 years; \$13,000
 Elsie Quarterman; 2 years; \$17,500
 W. D. Threadgill; 2 years; \$25,000

VILLANOVA UNIVERSITY, Villanova, Pa.; Bernard J. Downey, Jr.; 2 years; \$15,150
 A. J. Mullen; 2 years; \$10,720

VIRGINIA MILITARY INSTITUTE, Lexington; J. S. Jamison, Jr.; 2 years; \$19,800

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; C. E. Howes; 2 years; \$10,390
 G. W. Litton; 2 years; \$8,120

VIRGINIA STATE COLLEGE, Petersburg; Bernard R. Woodson, Jr.; 2 years; \$10,170

WAGNER COLLEGE, Staten Island, N.Y.; J. Trygve Jensen; 2 years; \$3,000

WASHINGTON AND LEE UNIVERSITY, Lexington, Va.; Edward F. Turner, Jr.; 2 years; \$16,000

WASHINGTON STATE UNIVERSITY, Pullman; William Band; 2 years; \$7,000
 Carl M. Stevens; 2 years; \$12,480
 Allen I. White; 2 years; \$3,020

WASHINGTON UNIVERSITY, St. Louis, Mo.; Richard E. Norberg; 2 years; \$12,850

WAYNE STATE UNIVERSITY, Detroit, Mich.; Ross Stagner; 2 years; \$10,000

WEBB INSTITUTE OF NAVAL ARCHITECTURE, Glen Cove, Long Island, N.Y.; Edward V. Lewis; 2 years; \$5,480

WELLESLEY COLLEGE, Wellesley, Mass.; Jean V. Crawford; 2 years; \$10,200

WELLS COLLEGE, Aurora, N.Y.; C. M. Delaney; 2 years; \$10,000

WESTERN CAROLINA COLLEGE, Cullowhee, N.C.; James H. Horton; 2 years; \$2,390

WESTERN MARYLAND COLLEGE, Westminster; Harwell P. Sturdivant; 2 years; \$5,620

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; Lillian H. Meyer; 2 years; \$20,000

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; William M. Heston, Jr.; 2 years; \$15,000

John K. Major; 2 years; \$15,000

WESTERN WASHINGTON STATE COLLEGE, Bellingham; Raymond R. McLeod; 2 years; \$18,500

WEST VIRGINIA INSTITUTE OF TECHNOLOGY, Montgomery; Huey Pledger, Jr.; 2 years \$7,900

WEST VIRGINIA UNIVERSITY, Morgantown; James T. Anderson; 2 years; \$3,460

WHEATON COLLEGE, Wheaton, Ill.; Raymond H. Brand; 2 years; \$8,200

WHEATON COLLEGE, Norton, Mass.; Jane L. Chidsey; 2 years; \$5,250

WHEELING COLLEGE, Wheeling, W. Va.; Joseph B. Hanzely; 2 years; \$5,750

WHITMAN COLLEGE, Walla Walla, Wash.; Robert B. Bennett; 2 years; \$17,000

WHITWORTH COLLEGE, Spokane, Wash.; H. W. Johnston; 2 years; \$2,690

WILKES COLLEGE, Wilkes-Barre, Pa.; Robert W. Soeder; 2 years; \$3,400

WILLAMETTE UNIVERSITY, Salem, Oreg.; Paul M. Duell; 2 years; \$15,000

WILLIAM MARSH RICE UNIVERSITY, Houston, Tex.; Paul E. Pfeiffer; 2 years; \$12,500

WISCONSIN STATE COLLEGE, Eau Claire; Floyd O. Krause; 2 years; \$1,500

WISCONSIN STATE COLLEGE, Oshkosh; James W. Unger; 2 years; \$5,000

WISCONSIN STATE COLLEGE, Stevens Point; Roland Trytten; 2 years; \$23,440

WISCONSIN STATE COLLEGE, Superior; Nathan A. Coward; 2 years; \$4,940

WISCONSIN STATE COLLEGE AND INSTITUTE OF TECHNOLOGY, Platteville; F. Duane Ingram; 2 years; \$7,000

WITTENBERG UNIVERSITY, Springfield, Ohio; Paul K. Glasoe; 2 years; \$7,840

WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; Robert C. Plumb; 2 years; \$12,230

Donald N. Zwlep; 2 years; \$13,050

XAVIER UNIVERSITY, Cincinnati, Ohio; Harvey A. Dube; 2 years; \$16,370

XAVIER UNIVERSITY, New Orleans, La.; Sister M. Veronica; 2 years; \$10,000

YALE UNIVERSITY, New Haven, Conn.; Phillip A. Lyons; 2 years; \$23,000

Donald F. Poulson; 2 years; \$24,760

YESHIVA UNIVERSITY, New York, N.Y.; Eli M. Levine; 2 years; \$11,500

UNDERGRADUATE SCIENCE EDUCATION PROGRAM

ADELPHI COLLEGE, Garden City, N.Y.; Richard J. Lacey; 12 months; \$15,400

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Richard M. Adams; 3 months; \$8,400

M. E. Bloodworth; 12 months; \$8,100

Joe S. Ham; 12 months; \$11,600

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; Cecile H. Edwards; 11 months; \$6,160

ALLEGHENY COLLEGE, Meadville, Pa.; Georgiana W. Scovill; 12 months; \$5,200

ALMA COLLEGE, Alma, Mich.; Arlan L. Edgar; 12 months; \$9,800

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Evelyn Shaw; 12 months; \$49,000

Evelyn Shaw; 3 months; \$2,800

Evelyn Shaw; 12 months; \$13,300

AMERICAN UNIVERSITY, Washington, D.C.; Alfred B. Chaet; 12 months; \$5,600

AMHERST COLLEGE, Amherst, Mass.; Robert H. Koch; 3 months; \$2,800

ANTIOCH COLLEGE, Yellow Springs, Ohio; James F. Corwin; 12 months; \$12,600

Wladyslaw M. Lotkowski; 3 months; \$4,200

Robert E. Warner; 12 months; \$9,330

ARIZONA STATE UNIVERSITY, Tempe; Robert D. Kersten; 12 months; \$7,700

Robert D. Kersten; 12 months; \$7,700

Carleton B. Moore; 21 months; \$17,148

ASBURY COLLEGE, Wilmore, Ky.; Julian M. Pike; 12 months; \$3,700

AUGUSTANA COLLEGE, Sioux Falls, S. Dak.; Robert Roy Kintner; 12 months; \$4,200

BALL STATE TEACHERS COLLEGE, Muncie, Ind.; Russell E. Siverly; 12 months; \$2,100

BARNARD COLLEGE, New York, N.Y.; Lucena Jaeger; 9 months; \$2,160

BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Thomas J. Garrington; 1 year; \$12,600

Wiley S. Rogers; 12 months; \$12,600

BOSTON COLLEGE, Chestnut Hill; Gerald G. Bilodeau; 3 months; \$5,600

William G. Guindon; 3 months; \$6,000

Robert F. O'Malley; 12 months; \$12,600

James W. Skehan; 8 months; \$6,375

James W. Skehan; 12 months; \$8,570

BOSTON UNIVERSITY, Mass.; Ronald M. Milburn; 12 months; \$14,700

Robert F. Slechta; 12 months; \$15,030

BOWDOIN COLLEGE, Brunswick, Maine; Reinhard L. Korgen; 12 months; \$6,300

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 12 months; \$5,700

BRANDEIS UNIVERSITY, Waltham, Mass.; Milton R. Baker; 12 months; \$8,000

David A. Buchsbaum; 3 months; \$2,100

Morris Soodak; 3 months; \$2,600

BROOKLYN COLLEGE, N.Y.; Milton J. Rosen; 21 months; \$29,750

BROWN UNIVERSITY, Providence, R.I.; John A. Dillon, Jr.; 12 months; \$10,500

Thomas A. Mutch; 3 months; \$2,800

John F. Neumer; 3 months; \$16,800

Harold Schlosberg; 12 months; \$14,000

BRYN MAWR COLLEGE, Bryn Mawr, Pa.; Robert L. Conner; 3 months; \$7,800

M. E. Bitterman; 3 months; \$4,000

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Meldrum B. Winstead; 3 months; \$8,400

CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; James Bonner; 3 months; \$19,320

Norman Davidson; 3 months; \$9,000

CANISUS COLLEGE, Buffalo, N.Y.; Herman A. Szymanski; 3 months; \$6,200

CARLETON COLLEGE, Northfield, Minn.; James E. Finholt; 3 months; \$5,600

Eller L. Henrikson; 12 months; \$2,800

Donald H. Taranto; 3 months; \$5,600

Thurlo B. Thomas; 3 months; \$7,000

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; 12 months; \$12,600
R. H. Lambert; 3 months; \$6,000
Arthur G. Milnes; 12 months; \$22,400
R. T. Schumacher; 3 months; \$4,400

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Herbert B. Schultz, Jr.; 12 months; \$63,700

CATHOLIC UNIVERSITY, Washington, D.C.; George E. McDuffie, Jr.; 3 months; \$7,200

CENTRAL STATE COLLEGE, Wilberforce, Ohio; L. Shelbert Smith; 12 months; \$8,600

CITY COLLEGE, New York, N.Y.; Frank Brescia; 12 months; \$42,000
Bennington P. Gill; 9 months; \$8,400
Sherwood B. Menkes; 21 months; \$14,000

CLARK UNIVERSITY, Worcester, Mass.; Vernon Ahmadjian; 12 months; \$11,600
Roy S. Anderson; 3 months; \$2,700
Roy S. Anderson; 12 months; \$5,600
Edward N. Trachtenberg; 12 months; \$16,800
Seymour Wapner; 3 months; \$5,600

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; Charles A. Howe; 12 months; \$10,500
Thomas J. Ward; 12 months; \$8,400

COE COLLEGE, Cedar Rapids, Iowa; Gordon M. Harrington; 21 months; \$4,900
Frank C. Pennington; 12 months; \$4,200

COLBY COLLEGE, Waterville, Maine; James L. Fozard; 27 months; \$1,860

COLGATE UNIVERSITY, Hamilton, N.Y.; Donald Keith Berkey; 12 months; \$6,100

COLLEGE OF PHARMACY OF THE CITY OF NEW YORK, COLUMBIA UNIVERSITY, New York; E. E. Leuallen; 1 year; \$11,200

COLLEGE OF THE HOLY CROSS, Worcester, Mass.; John W. Flavin; 9 months; \$1,400
Patrick Shanahan; 9 months; \$2,335
Patrick Shanahan; 9 months; \$2,800

COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.; Melvin A. Pittman; 20 months; \$24,220

COLLEGE OF WOOSTER, Wooster, Ohio; John W. Chittum; 12 months; \$7,600
Donald L. Wise; 3 months; \$4,200

COLORADO COLLEGE, Colorado Springs; Robert Z. Brown; 9 months; \$2,800

COLORADO STATE UNIVERSITY, Fort Collins; Edwin W. Mogren; 12 months; \$6,300

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; F. Max Stein; 2 months; \$8,280

COLUMBIA UNIVERSITY, New York, N.Y.; E. E. Leuallen; 12 months; \$11,200
Charles Wagley; 12 months; \$31,500

CONCORDIA COLLEGE, Moorhead, Minn.; Gerald A. Heuer; 3 months; \$6,000

CORNELL UNIVERSITY, Ithaca, N.Y.; N. C. Brady; 12 months; \$16,800
R. F. Holland; 12 months; \$9,800

CORNELL COLLEGE, Mount Vernon, Iowa; T. Edwin Rogers; 9 months; \$2,100

DARTMOUTH COLLEGE, Hanover, N.H.; Donald L. Kreider; 12 months; \$14,700
Thomas A. Spencer; 12 months; \$16,800

DEPAUW UNIVERSITY, Greencastle, Ind.; Donald J. Cook; 2 months; \$6,720

DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa.; George E. Dieter, Jr.; 3 months; \$1,400

Frank A. Fletcher; 1 year; \$9,015
Robert S. Hanson; 1 year; \$6,555
F. B. Haynes; 3 months; \$16,800
Richard E. Llorens; 1 year; \$1,380
Corinne H. Robinson; 9 months; \$2,800
John L. Rumpf; 3 months; \$2,800

DUKE UNIVERSITY, Durham, N.C.; Jack W. Brehm; 12 months; \$6,800
Earl I. Brown, II; 12 months; \$11,200
F. G. Dressel; 3 months; \$8,400
S. Duncan Horn, Jr.; 18 months; \$1,400
Edward C. Heron; 12 months; \$4,800
T. W. Johnson, Jr.; 12 months; \$5,600
Pelham Wilder, Jr.; 12 months; \$9,800

DUQUESNE UNIVERSITY, Pittsburgh, Pa.; Kurt C. Schreiber; 3 months; \$7,000

EARLHAM COLLEGE, Richmond, Ind.; Gerald R. Bakker; 1 year; \$16,725
Ansel M. Gooding; 27 months; \$9,085
William K. Stephenson; 9 months; \$3,680
William K. Stephenson; 9 months; \$4,200

EMORY UNIVERSITY, Atlanta, Ga.; R. A. Day, Jr.; 12 months; \$21,000

FAIRFIELD UNIVERSITY, Fairfield, Conn.; John A. Barone; \$1,550
John A. Barone; 12 months; \$7,000

FAIRLEIGH DICKINSON UNIVERSITY, Rutherford, N.J.; Adam M. Agular; 3 months; \$7,000
Peter J. Walsh; 12 months; \$12,600

FLORIDA SOUTHERN COLLEGE, Lakeland; Margaret L. Gilbert; 12 months; \$10,950

FORDHAM UNIVERSITY, New York, N.Y.; Henry F. DeBaggis; 11 months; \$20,100
Frederick J. Dilleuth; 12 months; \$10,010
Joseph F. Mulligan; 2 months; \$12,400

FRANKLIN INSTITUTE, Philadelphia, Pa.; William E. Danforth; 3 months; \$4,200

FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; Frank D. Eneck; 12 months; \$8,400
John H. Moss; 12 months; \$8,400
Donald W. Western; 3 months; \$5,600

GEORGETOWN UNIVERSITY, Washington, D.C.; Matthew P. Thekaekara; 21 months; \$15,215

GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; Richard D. Walk; 12 months; \$8,400

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; John R. Dyer; 3 months; \$11,200

GETTYSBURG COLLEGE, Gettysburg, Pa.; John E. Benson; 12 months; \$6,300

GORDON COLLEGE, Beverly Farms, Mass; John W. Haas, Jr.; 12 months; \$2,100

GRINNELL COLLEGE, Grinnell, Iowa; Givens L. Thornton; 12 months; \$10,500

GUSTAVUS ADOLPHUS COLLEGE, St. Peter, Minn.; Bernard E. Hoogenboom; 12 months; \$3,200

HAMILTON COLLEGE, Clinton, N.Y.; L. E. Cratty, Jr.; 2 months; \$5,600

HAMLIN UNIVERSITY, St. Paul, Minn.; Dale E. Varberg; 9 months; \$2,800

HAMPDEN-SYDNEY COLLEGE, Hampden-Sydney, Va.; G. Tyler Miller, Jr.; 12 months; \$7,600

HARVARD UNIVERSITY, Cambridge, Mass.; I. Bernard Cohen; 12 months; \$28,000
George W. Geothals; 12 months; \$28,000
Byron Stookey, Jr.; 1 year; \$32,980
Byron Stookey; 12 months; \$11,000

Stephen Williams; 3 months; \$11,200
 Stephen Williams; 18 months; \$18,050
HARVEY MUDD COLLEGE, Claremont, Calif.
 Tad Alan Beckman; 12 months; \$18,200
 John Greever; 12 months; \$10,500
Haverford College, Haverford, Pa.; John
 P. Cheslek; 12 months; \$6,300
 C. O. Oakley; 9 months; \$1,800
HOLLINS COLLEGE, Hollins College, Va.;
 Richard E. Garrett; 1 year; \$10,400
 Ralph G. Steinhardt, Jr.; 12 months;
 \$2,750
HOWARD UNIVERSITY, Washington, D.C.;
 Robert Percy Barnes; 18 months; \$10,500
 Harold E. Finley; 22 months; \$39,135
HUNTER COLLEGE, New York, N.Y.; Frederic
 Kenny; 9 months; \$575
IDAHO STATE COLLEGE, Pocatello; John V.
 Bergen; 12 months; \$5,600
ILLINOIS INSTITUTE OF TECHNOLOGY, Chi-
 cago; Andrew A. Fejer; 12 months; \$11,200
 Leonard I. Grossweiner; \$5,345
 Lester C. Peach; 3 months; \$8,400
 H. Lennart Pearson; 12 months; \$14,000
 Bernet S. Swanson; 9 months; \$3,500
IMMACULATE HEART COLLEGE, Los Angeles,
 Calif.; Sister Agnes Ann Green; 3 months;
 \$8,400
INDIANA UNIVERSITY FOUNDATION, Blooming-
 ton; Paul Klinge; 11 months; \$4,020
 Judson Mead; 12 months; \$10,850
IOWA STATE UNIVERSITY, Ames; Paul A.
 Hartman; 12 months; \$8,565
 Donald E. Hudson; 12 months; \$8,400
 Keith M. Hussey; 12 months; \$4,500
 Thomas D. McGee; 12 months; \$2,800
 Peter A. Peterson; 3 months; \$4,200
 Malcolm A. Rougvie; 12 months; \$18,900
 Thomas D. Wheelock; 12 months; \$14,000
JACKSON STATE COLLEGE, Jackson, Miss.;
 Benjamin H. McLemore; 12 months; \$5,600
JOHNS HOPKINS UNIVERSITY, Baltimore,
 Md.; Walter S. Koski; 12 months; \$8,550
JUNIATA COLLEGE, Huntington, Pa.; David
 M. Hercules; 12 months; \$12,600
KALAMAZOO COLLEGE, Kalamazoo, Mich.;
 Allen V. Buskirk; 9 months; \$2,800
KANSAS STATE COLLEGE OF PITTSBURG;
 Horace A. Hays; 11 months; \$7,280
KANSAS STATE UNIVERSITY, Manhattan; M.
 F. Hansen; 3 months; \$7,000
 Jack L. Lambert; 11 months; \$19,600
KENT STATE UNIVERSITY, Kent, Ohio; Joseph
 H. Grosslight; 12 months; \$12,600
KENTUCKY RESEARCH FOUNDATION, Lexing-
 ton; Richard A. Chapman; 12 months;
 \$4,200
 Jacob R. Meadow; 12 months; \$9,800
KENYON COLLEGE, Gambier, Ohio; Daniel T.
 Finkbeiner, II; 27 months; \$13,755
KNOX COLLEGE, Galesburg, Ill.; Paul Shep-
 ard; 9 months; \$3,625
LAFAYETTE COLLEGE, Easton, Pa.; William
 F. Hart; 12 months; \$6,300
 E. Lee McMillen; 9 months; \$2,875
 E. Lee McMillen; 9 months; \$3,500
 Louis T. Stableford; 9 months; \$2,800
LAKE FOREST COLLEGE, Lake Forest, Ill.;
 Bailey L. Donnally; 12 months; \$3,500
 Charles D. Louch; 12 months; \$4,200
LAWRENCE COLLEGE, Appleton, Wis.; Rob-
 ert H. Becker; 3 months; \$2,800
LEBANON VALLEY COLLEGE, Annville, Pa.;
 Robert Griswold; 3 months; \$7,000
LEHIGH UNIVERSITY, Bethlehem, Pa.; Ferd-
 nand P. Beer; 12 months; \$9,800
 George P. Conard, II; 11 months; \$9,720
 Jerome Daen; 12 months; \$22,400
 Arthur I. Larky; 12 months; \$9,800
 Everett Pitcher; 12 months; \$23,100
 Dale R. Simpson; 12 months; \$8,400
 Wesley R. Smith; 1 year; \$4,900
 Wesley R. Smith; 12 months; \$4,200
LINFIELD RESEARCH INSTITUTE, McMinnville,
 Oreg.; Drannan C. Hamby; 12 months;
 \$6,300
 Drannan C. Hamby; 12 months; \$4,200
 Robert E. Jones; 9 months; \$3,800
LONG ISLAND BIOLOGICAL ASSOCIATION, Cold
 Spring Harbor, N.Y.; H. E. Umbarger; 3
 months; \$14,000
LOS ANGELES STATE COLLEGE FOUNDATION,
 Los Angeles, Calif.; Richard T. Keys; 12
 months; \$16,800
LOUISIANA STATE UNIVERSITY, Baton Rouge;
 Edwin R. Chubbuck; 11 months; \$5,280
 George C. Kent, Jr.; 11 months; \$7,700
 Warren S. Thompson; 11 months; \$10,710
LOYOLA COLLEGE, Baltimore, Md.; James L.
 Gumnick; 12 months; \$6,300
MACALESTER COLLEGE, St. Paul, Minn.; Mur-
 ray Braden; 18 months; \$3,900
MANHATTAN COLLEGE, New York, N.Y.; Jo-
 seph B. Farrell; 9 months; \$1,400
 Donald J. O'Connor; 2 years; \$5,475
MARIAN COLLEGE, Indianapolis, Ind.; Mary
 Rose Stockton; 12 months; \$1,500
MARYCREST COLLEGE, Davenport, Iowa;
 Sister Helene Ven Horst; 12 months; \$2,000
MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
 Cambridge; Arthur C. Cope; 12 months;
 \$49,000
MERCYHURST COLLEGE, Erie, Pa.; M. Leona
 Reagle; 18 months; \$3,150
MICHIGAN STATE UNIVERSITY, East Lansing;
 Dorothy Arata; 9 months; \$1,840
 Abram M. Barch; 21 months; \$16,100
 Sherwood K. Haynes; 12 months; \$21,-
 000
 Elmer Leininger; 12 months; \$16,800
 C. P. Wells; 12 months; \$15,400
MILLIKIN UNIVERSITY, Decatur, Ill.; Carl
 Weatherbee; 22 months; \$9,135
MILLSAPS COLLEGE, Jackson, Miss.; Donald
 Caplenor; 12 months; \$6,700
 Richard R. Priddy; 9 months; \$5,600
MISSISSIPPI STATE UNIVERSITY, State Col-
 lege; Charles B. Clett; 12 months; \$8,400
MONTANA SCHOOL OF MINES, Butte; Vernon
 Griffiths; 9 months; \$1,850
 Vernon Griffiths; 9 months; \$1,900
MONTANA STATE COLLEGE, Bozeman; E. W.
 Anacker; 1 year; \$6,725
 E. W. Anacker; 12 months; \$11,900
 Richard H. McBee; 3 months; \$7,000
MONTANA STATE UNIVERSITY, Missoula; Mit-
 suru Nakamura; 12 months; \$6,300
 E. W. Pfeiffer; 9 months; \$450
MORGAN STATE COLLEGE, Baltimore, Md.;
 Volodymyr Bohun-Chudyniv; 12 months;
 \$8,400
MOUNT HOLYOKE COLLEGE, South Hadley,
 Mass.; Grace E. Bates; 9 months; \$4,200

MUHLENBERG COLLEGE, Allentown, Pa.; G. N. Russell Smart; 12 months; \$7,000

MUNICIPAL UNIVERSITY OF OMAHA, Omaha, Nebr.; John M. Newton; 9 months; \$4,320

MUSKINGUM COLLEGE, New Concord, Ohio; Wilmer K. Fife; 12 months; \$5,600

NEBRASKA WESLEYAN UNIVERSITY, Lincoln; Walter R. French, Jr.; 11 months; \$10,920

NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; Kwei-Ping S. Kwei; 11 months; \$1,775

NEW JERSEY MENTAL HEALTH RESEARCH AND DEVELOPMENT FUND, INC., Trenton; J. W. Bauman, Jr., Princeton; 12 months; \$8,800

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro; Roshan B. Bhappu; 12 months; \$1,800
 Geoffrey Purcell; 12 months; \$1,800
 Joseph A. Schufe; 12 months; \$3,900
 Clay T. Smith; 12 months; \$2,800

NEW MEXICO STATE UNIVERSITY, University Park; James E. Weiss; 1 year; \$6,565
 James E. Weiss; 12 months; \$29,400

NEW YORK STATE DEPARTMENT OF HEALTH, Albany; Ray K. Brown; 3 months; \$5,600

NEW YORK UNIVERSITY, New York; Robert F. Cotellessa; 2 years; \$29,400
 Robert C. Geldmacher; 12 months; \$18,900
 Alvin I. Kosak; 3 months; \$8,400

NORTH CENTRAL COLLEGE, Naperville, Ill.; Barbara A. Doty; 18 months; \$3,600
 Mary Anice Seybold; 11 months; \$1,395

NORTH DAKOTA STATE UNIVERSITY, Fargo; J. A. Callenbach; 12 months; \$4,000
 J. A. Callenbach; 12 months; \$4,050
 J. A. Callenbach; 9 months; \$440
 Donald Schwartz; \$10,380
 Donald Schwartz; 12 months; \$20,400

NORTHEASTERN UNIVERSITY, Boston, Mass.; Ralph A. Troupe; 9 months; \$4,200

NORTHERN MICHIGAN COLLEGE; Marquette; Gordon D. Gill; 1 year; \$14,835

NORTH TEXAS STATE UNIVERSITY, Denton; L. F. Connell, Jr.; 12 months; \$4,800

NORTHWESTERN UNIVERSITY, Evanston, Ill.; Richard C. Bowers; 12 months; \$22,050
 Robert W. Hull; 12 months; \$16,200

NOTRE DAME COLLEGE OF STATEN ISLAND, Staten Island, N.Y.; Mother Saint Virginia Marie; 9 months; \$1,660
 Mother Saint Virginia Marie; 9 months; \$2,000

OAKLAND UNIVERSITY, Rochester, Mich.; Paul Tomboullan; 9 months; \$4,200

OVERLIN COLLEGE, Oberlin, Ohio; Fred Foreman; 11 months; \$5,040
 Norman D. Henderson; 9 months; \$3,555
 Robert Weinstock; 2 months; \$5,600

OCCIDENTAL COLLEGE, Los Angeles, Calif.; Frank L. Lambert; 3 months; \$2,600

OHIO STATE UNIVERSITY RESEARCH FOUNDATION, Columbus; Paul G. Gassman; 12 months; \$16,000

OHIO WESLEYAN UNIVERSITY, Delaware; Thomas S. Oey; 12 months; \$21,000

OKLAHOMA STATE UNIVERSITY, Stillwater; L. M. Henderson; 3 months; \$5,600
 W. O. Ree; 12 months; \$3,900
 John W. West; 12 months; \$6,600
 Leon H. Zalkow; 3 months; \$9,800

OLD DOMINION COLLEGE, Norfolk, Va.; Jacques S. Zaneveld; 12 months; \$8,400

OLIVET COLLEGE, Olivet, Mich.; Edward P. Speare; 11 months; \$1,160

OREGON STATE UNIVERSITY, Corvallis; Fred W. Decker; 12 months; \$8,400
 James G. Knudsen; 9 months; \$3,500

PACIFIC LUTHERAN UNIVERSITY, Tacoma, Wash.; Charles D. Anderson; 12 months; \$8,750

PENNSYLVANIA STATE UNIVERSITY, University Park; Walter I. Goldburg; 12 months; \$5,660
 William F. Prokasy; 12 months; \$12,000
 Harold J. Read; 3 months; \$8,400
 Robert W. Stone; 12 months; \$7,900

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Jules P. Russell; 12 months; \$78,400

POMONA COLLEGE, Claremont, Calif.; Alexander K. Baird; 12 months; \$4,200
 Alvin L. Bellby; 3 months; \$14,000
 Graham B. Bell; 9 months; \$2,160
 Lyman Benson; 12 months; \$2,700
 Charles A. Fowler; 12 months; \$17,500
 Paul B. Yale; 2 months; \$5,600

PRINCETON UNIVERSITY, Princeton, N.J.; William E. Bonini; 3 months; \$2,800
 John T. Bonner; 3 months; \$14,000
 Richard K. Hill; 12 months; \$6,800
 Sheldon Judson; 3 months; \$7,000
 Hugo Ross; 3 months; \$2,880
 Harold M. Schroder; 3 months; \$5,600

PURDUE UNIVERSITY, Lafayette, Ind.; Durward L. Allen; 3 months; \$8,400
 Glenn B. Bergeson; 12 months; \$10,500
 Gustav E. Cwallina; 12 months; \$10,500
 George W. Hughes; 12 months; \$52,500
 Richard A. Sneen; 12 months; \$28,000
 F. H. Wilt; 12 months; \$42,000

QUEENS COLLEGE, Flushing, N.Y.; Gregory Razran; 12 months; \$10,500

RADFORD COLLEGE, Radford, Va.; Donald H. Messersmith; 11 months; \$1,820

REED COLLEGE, Portland, Oreg.; Hubert E. Christenson; 2 months; \$6,100
 Marshall W. Cronyn; 12 months; \$16,800

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Stephen E. Wiberley; 3 months; \$9,800
 Stephen E. Wiberley; 12 months; \$12,600
 Stephen E. Wiberley; 12 months; \$12,600

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Richard F. Smith; 12 months; \$7,000
 William T. Snyder, Oyster Bay; 12 months; \$14,700
 T. Alexander Pond, Stony Brook; 3 months; \$9,800
 Ralph T. King, Syracuse; 3 months; \$6,600

RIPON COLLEGE, Ripon, Wis.; Jack W. Powers; 12 months; \$6,800

ROCKHURST COLLEGE, Kansas City, Mo.; Oscar L. Wright; 3 months; \$5,600

ROSBARY HILL COLLEGE, Buffalo, N.Y.; M. Regina Lanigan; 9 months; \$2,100

ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; John L. Fuller; 3 months; \$26,400

ROSWELL PARK MEMORIAL INSTITUTE, Buffalo, N.Y.; Edwin A. Mirand; 3 months; \$24,000

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Bernard W. Koft; 12 months; \$3,940
 Robert H. Page; 3 months; \$5,600
 Hyman J. Zimmerberg; 12 months; \$8,400
 Hyman J. Zimmerberg; 12 months; \$13,300

ST. BENEDICT'S COLLEGE, Atchison, Kans.; Conrad Pillar; 12 months; \$4,200

ST. JOSEPH'S COLLEGE FOR WOMEN, Brooklyn, N.Y.; Sister Saint Francis Dilgen; 12 months; \$7,280

ST. JOSEPH COLLEGE, Emmitsburg, Md.; Denise Eby; 9 months; \$2,750

ST. JOSEPH COLLEGE, West Hartford, Conn.; Sister Maria Clare Markham; 11 months; \$5,680

ST. LAWRENCE UNIVERSITY, Canton, N.Y.; Charles H. Stauffer; 9 months; \$2,800

ST. LOUIS UNIVERSITY, Mo.; Dorothy J. Feir; 2 years; \$25,200
 Arthur S. Rouse; 2 years; \$3,395
 William Stauder; 12 months; \$6,900

ST. MARY'S COLLEGE, Winona, Minn.; Donald R. Morgan; 12 months; \$8,400

ST. MARY'S UNIVERSITY OF SAN ANTONIO, Tex.; James F. Gray; 11 months; \$5,880

ST. OLAF COLLEGE, Northfield, Minn.; Paul R. Burton; 3 months; \$7,000
 Richard S. Kleber; 3 months; \$2,800
 John C. Marshall; 3 months; \$8,400
 Thomas D. Rossing; 9 months; \$2,100

ST. PROCOPIUS COLLEGE, Lisle, Ill.; Richard E. Dugan; 12 months; \$5,570
 Richard E. Dugan; 12 months; \$6,100

SAN DIEGO STATE COLLEGE FOUNDATION, Calif.; R. Gordon Gastil; 12 months; \$12,600
 Burt Nelson; 11 months; \$7,280
 Merle B. Turner; 12 months; \$14,700
 Harold Walba; 12 months; \$28,000

SARAH LAWRENCE COLLEGE, Bronxville, N.Y.; Edward J. Cogan; 9 months; \$4,275
 Edward J. Cogan; 9 months; \$1,400

SAVANNAH STATE COLLEGE, Savannah, Ga.; Charles Pratt; 12 months; \$4,200

SEATTLE PACIFIC COLLEGE, Seattle, Wash.; Donald D. Kerlee; 3 months; \$5,600

SETON HALL UNIVERSITY, South Orange, N.J.; Alfred V. Cellano; 11 months; \$17,760

SMITH COLLEGE, Northampton, Mass.; George W. de Villafranca; 12 months; \$3,680

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City; George Rapp, Jr.; 3 months; \$4,200

SOUTHEAST MISSOURI STATE COLLEGE, Cape Girardeau; Albert L. Caskey; 11 months; \$13,120

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Harold A. Blum; 9 months; \$2,100

SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Lewis L. White; 11 months; \$10,920

SOUTHWESTERN AT MEMPHIS, Memphis, Tenn.; Robert L. Amy; 3 months; \$5,600
 Richard D. Gilliom; 3 months; \$4,200
 Jack Howard Taylor; 3 months; \$5,600

SOUTHWEST MISSOURI STATE COLLEGE, Springfield; Robert T. Stevenson; 1 year; \$5,300

STANFORD UNIVERSITY, Stanford, Calif.; William R. Dickinson; 11 months; \$9,380
 Albert H. Hastorf; 3 months; \$4,800
 David M. Mason; 12 months; \$9,100
 O. Cutler Shepard; 12 months; \$18,900

STATE UNIVERSITY OF IOWA, Iowa City; Ronald T. Pfau; 11 months; \$10,920
 Milton E. Rosenbaum; 9 months; \$1,725
 Milton E. Rosenbaum; 12 months; \$18,800
 Donald T. Witlak; 12 months; \$8,400

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Roger T. Davis; 12 months; \$10,500

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Sidney F. Borg; 2 years; \$6,400
 Henry Polowy; 12 months; \$21,000
 Salvatore S. Stivala; 12 months; \$21,000
 Rolf Well; 12 months; \$5,100

SWARTHMORE COLLEGE, Swarthmore, Pa.; Robert K. Enders; 11 months; \$13,280

SYRACUSE UNIVERSITY, Syracuse, N.Y.; Darshan S. Dosanjh; 3 months; \$5,600
 D. S. Dosanjh; 12 months; \$8,400
 Hiram J. Evans; 12 months; \$9,800
 Paul W. Gilbert; 12 months; \$10,500
 Wilbur R. LePage; 12 months; \$12,600
 James A. Luker; 12 months; \$15,400
 Wallace R. McAllister; 12 months; \$10,500
 William M. Merrill; 12 months; \$8,400

TEXAS LUTHERAN COLLEGE, Seguin; Ronald D. Garrett; 20 months; \$7,365

TEXAS SOUTHERN UNIVERSITY, Houston; Robert J. Terry; 3 months; \$21,000

TEXAS WOMAN'S UNIVERSITY, Denton; Waldemar M. Walter; 12 months; \$8,400

TRINITY COLLEGE, Hartford, Conn.; Austin C. Herschberger; 12 months; \$5,600

TULANE UNIVERSITY, New Orleans, La.; Stuart S. Bamforth; 12 months; \$5,600
 Hans B. Jonassen; 12 months; \$12,600
 V. T. Kanareff; 9 months; \$405
 Ralph M. Rotty; 12 months; \$4,200
 A. L. Weiden; 9 months; \$775
 A. L. Weiden; 9 months; \$2,800

TUSKEGEE INSTITUTE, Tuskegee, Ala.; G. T. Dowdy; 9 months; \$5,295
 G. T. Dowdy; 9 months; \$3,500
 G. T. Dowdy; 9 months; \$700

UNIVERSITY OF ARKANSAS, Fayetteville; Denys O. Akhurst; 12 months; \$18,900
 George E. Templeton; 3 months; \$2,800

UNIVERSITY OF CALIFORNIA, Berkeley; Howell Daly; 12 months; \$8,700
 Bonham Campbell, Los Angeles; 2 years; \$52,905
 Donald Carlisle, Los Angeles; 3 months; \$5,600
 Edward C. Carterette, Los Angeles; 11 months; \$36,400
 M. John Pickett, Los Angeles; 2 months; \$3,780
 Ernest G. Straus, Los Angeles; 2 years; \$41,190
 Malcolm F. Smiley, Riverside; 12 months; \$14,000

UNIVERSITY OF CHICAGO, Ill.; Belton M. Fleisher; 12 months; \$13,470
 Dorothea Starbuck Miller; 12 months; \$25,200

UNIVERSITY OF CINCINNATI, Ohio; Frank L. Koucky; 9 months; \$4,200

UNIVERSITY OF COLORADO, Boulder; Frank Kreith; 8 months; \$21,600
 Robert H. Lister; 2 months; \$8,960
UNIVERSITY OF CONNECTICUT, Storrs; Hugh Clark; 12 months; \$18,500
 John T. Stock; 12 months; \$8,100
UNIVERSITY OF DELAWARE, Newark; Charles B. Cooper; 12 months; \$6,300
UNIVERSITY OF DENVER, Colo.; Jack G. Hewitt, Jr.; 9 months; \$700
UNIVERSITY OF GEORGIA, Athens; R. Barclay McGhee; 3 months; \$9,800
 Horace C. Morgan, Jr.; 21 months; \$11,200
UNIVERSITY OF HAWAII, Honolulu; D. Elmo Hardy; 2 years; \$21,000
 Kazutoshi Najita; 3 months; \$7,500
UNIVERSITY OF IDAHO, Moscow; M. M. Renfrew; 11 months; \$5,880
UNIVERSITY OF ILLINOIS, Urbana; D. E. Alexander; 3 months; \$1,100
 A. W. Burger; 3 months; \$1,100
 M. T. Davison; 9 months; \$7,000
 Hiram Paley; 12 months; \$21,000
 Stanley G. Smith; 11 months; \$18,200
 Morton W. Weir; 11 months; \$27,300
UNIVERSITY OF KANSAS, Lawrence; William M. Bass; 12 months; \$11,400
 Frederick E. Samson, Jr.; 12 months; \$35,700
 Edward E. Smitsman; 12 months; \$25,200
 George Springer; 12 months; \$15,680
 Arnold A. Strassenburg; 12 months; \$7,000
UNIVERSITY OF LOUISVILLE, Ky.; James E. Conkin; 21 months; \$2,100
 Calvin A. Lang; 3 months; \$14,000
 Kevin T. Potts; 12 months; \$9,400
UNIVERSITY OF MARYLAND, College Park; John W. Brace; 12 months; \$7,250
 Joshua R. C. Brown; 12 months; \$12,600
 Gilbert Gordon; 12 months; \$21,000
 Howard Laster; 12 months; \$25,200
UNIVERSITY OF MASSACHUSETTS, Amherst; Lawrence M. Bartlett; 2 years; \$42,460
 John A. Chandler; 3 months; \$8,000
 Arthur C. Gentile; 12 months; \$14,800
UNIVERSITY OF MIAMI, Coral Gables, Fla.; Homer W. Hiser; 12 months; \$4,800
UNIVERSITY OF MICHIGAN, Ann Arbor; Otto Graf; 11 months; \$69,595
 Otto G. Graf; 12 months; \$52,520
 J. B. Griffin; 12 months; \$10,860
 Orren C. Mohler; 3 months; \$3,300
 Robert C. Taylor; 3 months; \$11,400
 Russell T. Woodburne; 11 months; \$5,880
 Louis York; 11 months; \$14,640
UNIVERSITY OF MINNESOTA, Minneapolis; L. E. Goodman; 12 months; \$13,066
 Irvin E. Liener; 21 months; \$2,450
 Wayland E. Noland; 3 months; \$14,000
 Theron O. Odlaug; 1 year; \$2,000
 Edward J. Cowles, Duluth; 12 months; \$8,830
UNIVERSITY OF MISSOURI, Columbia; Ernest W. Carlton, Rolla; 12 months; \$12,600
 Ernest W. Carlton, Rolla; 18 months; \$5,600
 Wayne L. Decker; 3 months; \$7,000
 Harold Q. Fuller, Rolla; 12 months; \$10,500
UNIVERSITY OF NEBRASKA, Lincoln; Gordon A. Gallup; 11 months; \$11,590
 Donald G. Hanway; 12 months; \$8,400

UNIVERSITY OF NEVADA, Reno; Kenneth C. Kemp; 12 months; \$5,600
UNIVERSITY OF NEW HAMPSHIRE, Durham; Robert Lyle; 3 months; \$7,000
 M. Evans Munroe; 12 months; \$12,600
UNIVERSITY OF NEW MEXICO, Albuquerque; Glenn A. Crosby; 3 months; \$1,800
UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Carey H. Bostian; 12 months; \$28,000
 Jesse S. Doolittle; 12 months; \$21,000
 Samuel Fillenbaum; 3 months; \$4,200
 James C. Kellett, Jr.; 12 months; \$4,200
 T. E. Maki; 12 months; \$10,500
 Richard L. Simpson; 3 months; \$14,000
 John J. McNeill, Raleigh; 8 months; \$5,600
 Alfred J. Stamm, Raleigh; 12 months; \$6,150
UNIVERSITY OF NORTH DAKOTA, Grand Forks; George C. Wheeler; 12 months; \$11,340
 Vernon L. Yeager; 2 months; \$3,840
UNIVERSITY OF NOTRE DAME, Ind.; Julius T. Banchoer, 12 months; \$7,000
 Kenneth R. Lauer; 12 months; \$5,400
 E. A. Peretti; 12 months; \$5,928
UNIVERSITY OF OKLAHOMA, Norman; Gene Levy; 11 months; \$34,300
UNIVERSITY OF OREGON, Eugene; LeRoy H. Klemm; 12 months; \$15,400
 E. Novitski; 12 months; \$31,500
UNIVERSITY OF PENNSYLVANIA, Philadelphia; William C. Cohen; 25 months; \$42,460
 Walter Isard; 12 months; \$6,300
 George E. Schweigert; 11 months; \$8,680
UNIVERSITY OF PUERTO RICO, Mayaguez; Noemi G. Martinez Nadal; 9 months; \$3,500
UNIVERSITY OF RHODE ISLAND, Kingston; Charles Polk; 12 months; \$14,700
UNIVERSITY OF ROCHESTER, N.Y.; M. Parker Givens; 12 months; \$8,400
 Everett M. Hafner; 12 months; \$8,400
 Daniel W. Healy, Jr.; 12 months; \$8,400
UNIVERSITY OF SAN FRANCISCO, Calif.; William Maroney; 12 months; \$8,400
UNIVERSITY OF SCRANTON, Pa.; Martin D. Appleton; 12 months; \$14,700
UNIVERSITY OF SOUTH CAROLINA, Columbia; Reuben E. Alley, Jr.; 3 months; \$3,000
 Milton W. Davis, Jr.; 3 months; \$2,000
 Ronald D. Edge; 1 year; \$10,400
UNIVERSITY OF SOUTH FLORIDA, Tampa; Jack E. Fernandez; 12 months; \$18,900
 Robert W. Long; 20 months; \$2,195
UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 11 months; \$7,840
UNIVERSITY OF TENNESSEE, Knoxville; N. S. Bowman; 3 months; \$8,400
 Arthur W. Jones; 12 months; \$10,500
 Alvin H. Nielsen; 12 months; \$12,600
 Fred H. Norris; 12 months; \$8,400
 Seidon D. Feurt, Memphis; 12 months; \$12,600
 William E. Jefferson, Jr., Memphis; 12 months; \$11,900
UNIVERSITY OF TEXAS, Austin; Walter V. Brown; 3 months; \$5,000
 Arwin A. Dougal; 12 months; \$6,300
 William H. Hartwig; 12 months; \$7,350
 Leonard F. Kreisle; 12 months; \$4,800
 Fillmore H. Sanford; 9 months; \$7,000

- UNIVERSITY OF THE SOUTH, Sewanee, Tenn.; David B. Camp; 3 months; \$5,600
Stephen Puckette; 1 year; \$42,000
- UNIVERSITY OF UTAH, Salt Lake City; Don M. Rees; 12 months; \$6,400
James M. Sugihara; 3 months; \$12,000
- UNIVERSITY OF VERMONT, Burlington; Clinton D. Cook; 12 months; \$9,600
Albert D. Crowell; 12 months; \$4,800
Paul A. Moody; 2 years; \$20,720
- UNIVERSITY OF WASHINGTON, Seattle; Nathan A. Hall; 12 months; \$10,500
A. S. Kobayashi; 11 months; \$3,715
Albert S. Kobayashi; 12 months; \$4,200
William B. Woolf; 11 months; \$22,650
- UNIVERSITY OF WISCONSIN, Madison; Robert M. Gates; 3 months; \$4,500
Harry L. Madison, Milwaukee; 11 months; \$12,740
William L. Walters, Milwaukee; 12 months; \$7,980
- VALPARAISO UNIVERSITY, Valparaiso, Ind.; Robert J. Hanson; 9 months; \$4,200
- VANDERBILT UNIVERSITY, Nashville, Tenn.; Glen F. Clanton; 3 months; \$7,000
John Moge; 12 months; \$7,600
William H. Rowan; 12 months; \$8,400
W. Dennis Threadgill; 12 months; \$8,400
W. Dennis Threadgill; 12 months; \$8,400
Leland E. Thune; 12 months; \$10,500
James J. Wert; 12 months; \$8,400
- VILLA MADONNA COLLEGE, Covington, Ky.; John F. Schule; 12 months; \$8,400
- VILLANOVA UNIVERSITY, Villanova, Pa.; Lucien R. Roy; 9 months; \$1,200
R. E. White; 12 months; \$12,000
- VIRGINIA INSTITUTE OF MARINE SCIENCE, Gloucester Point; Robert S. Bailey; 3 months; \$14,000
- VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; C. E. Howes; 12 months; \$6,300
- VIRGINIA STATE COLLEGE, Petersburg; Bernard R. Woodson, Jr.; 12 months; \$5,600
- WABASH COLLEGE, Crawfordsville, Ind.; Willis H. Johnson; 12 months; \$11,400
- WALDEMAR MEDICAL RESEARCH FOUNDATION, INC., Port Washington, N.Y.; Norman Molot; 3 months; \$8,400
- WASHINGTON AND LEE UNIVERSITY, Lexington, Va.; Leonard E. Jarrard; 21 months; \$8,400
Samuel J. Kozak; 12 months; \$3,680
J. Thomas Ratchford; 3 months; \$7,000
William J. Watt; 12 months; \$12,600
- WASHINGTON STATE UNIVERSITY, Pullman; Vishnu N. Bhatia; 12 months; \$21,840
Sidney G. Hacker; 11 months; \$22,105
Theodore G. Ostrom; 11 months; \$42,550
H. A. Sorensen; 9 months; \$2,300
- WASHINGTON UNIVERSITY, St. Louis, Mo.; Nathan C. Burbank; 9 months; \$20,300
Don A. Fischer; 12 months; \$6,300
Don A. Fischer; 12 months; \$4,200
Don A. Fischer; 12 months; \$3,500
Don A. Fischer; 9 months; \$6,300
Don A. Fischer; 9 months; \$1,400
Don A. Fischer; 12 months; \$4,200
- WAYNE STATE UNIVERSITY, Detroit, Mich.; Henry V. Bohm; 12 months; \$19,600
David Felix; 12 months; \$12,600
Samuel S. Komorita; 12 months; \$18,800
- WELLESLEY COLLEGE, Wellesley, Mass.; Jean V. Crawford; 2 months; \$8,960
- WESLEYAN UNIVERSITY, Middletown, Conn.; Thomas A. Green; 12 months; \$8,400
- WEST VIRGINIA UNIVERSITY, Morgantown; Horace L. Barnett; 12 months; \$10,400
Jack D. Graybeal; 12 months; \$14,700
R. D. Sloninger; 12 months; \$10,500
- WESTERN MICHIGAN UNIVERSITY, Kalamazoo; Lillian H. Meyer; 11 months; \$13,160
Paul Rood; 12 months; \$7,700
- WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; James D. Crum; 12 months; \$21,000
John K. Major; 12 months; \$16,800
Howard A. Schneiderman; 12 months; \$19,600
- WHEATON COLLEGE, Norton, Mass.; Bojan H. Jennings; 12 months; \$10,580
- WHEELING COLLEGE, Wheeling, W. Va.; Jack L. Pinkus; 9 months; \$4,200
- WHITTIER COLLEGE, Whittier, Calif.; F. Beach Leighton; 11 months; \$5,460
- WILKES COLLEGE, Wilkes-Barre, Pa.; Charles B. Reif; 12 months; \$14,700
- WILLAMETTE UNIVERSITY, Salem, Oreg.; Paul M. Duell; 12 months; \$8,400
Robert L. Purbrick; 12 months; \$8,400
- WILLIAM JEWELL COLLEGE, Liberty, Mo.; Wallace A. Hilton; 9 months; \$2,000
- WILLIAM MARSH RICE UNIVERSITY, Houston, Tex.; Roy V. Talmage; 12 months; \$14,000
- WILLIAMS COLLEGE, Williamstown, Mass.; Fielding Brown; 9 months; \$5,000
William C. Grant, Jr.; 3 months; \$5,600
Thomas C. McGill; 3 months; \$2,800
- WILMINGTON COLLEGE, Wilmington, Ohio; Harry H. Johnston; 2 months; \$2,430
- WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, Shrewsbury, Mass.; Melvin M. Ketchel; 3 months; \$21,000
- XAVIER UNIVERSITY, Cincinnati, Ohio; John B. Hart; 3 months; \$2,800
- YALE UNIVERSITY, New Haven, Conn.; Ralph Norman Haber; 12 months; \$15,500
Harlan J. Smith; 3 months; \$7,000
Bruce B. Stowe; 12 months; \$10,500
Horace D. Taft; 12 months; \$23,100

UNIVERSITY—ASSOCIATED SMALL COLLEGE PROGRAM

BOSTON UNIVERSITY, Mass.; Robert S. Cohen; *Inter-Institutional Cooperative Association in the Philosophy of Science*; 15 months; \$8,325

OKLAHOMA STATE UNIVERSITY, Stillwater; Robert D. Freeman; *Inter-Institutional Conference on the Teaching of Physical Chemistry in Oklahoma Colleges*; 5 months; \$7,860

UNIVERSITY OF KANSAS, Lawrence; John S. McNow; *Two Conferences for the Engineering Faculties of Members of the Mid-America State Universities Association*; 8 months; \$11,140

VISITING SCIENTISTS TO SECONDARY SCHOOLS PROGRAM

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Donald J. Cook, DePauw University, Greencastle, Ind; 15 months; \$24,300

AMERICAN ASTRONOMICAL SOCIETY, Princeton, N.J.; Paul M. Routly; 13 months; \$31,485

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; 12 months; \$27,390

VISITING SCIENTISTS TO COLLEGES PROGRAM

AMERICAN ANTHROPOLOGICAL ASSOCIATION, Washington, D.C.; Betty J. Meggers; 13 months; \$18,870

AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY, Washington, D.C.; Charles W. Bliven; 13 months; \$11,870

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Donald J. Cook, DePauw University, Greencastle, Ind.; 13 months; \$28,460

Donald J. Cook, DePauw University, Greencastle, Ind.; 13 months; \$41,000

AMERICAN GEOLOGICAL INSTITUTE, Washington, D.C.; John L. Snyder; 1 year; \$39,065
John L. Snyder; 13 months; \$35,320

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; Norris W. Rakestraw, University of California, San Diego; 1 year; \$12,225
Waldo E. Smith; 13 months; \$25,075

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; \$6,300
Elmer Hutchisson; 12 months; \$29,980
Elmer Hutchisson; 12 months; \$33,720

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Kenneth C. Spengler, 12 months; \$17,200

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; Sherman Ross; 13 months; \$23,875; 12 months; \$17,770

AMERICAN SOCIETY OF AGRONOMY, Madison, Wis.; Matthias Stelly; 13 months; \$7,680

AMERICAN SOCIOLOGICAL ASSOCIATION, New York, N.Y.; Gresham M. Sykes; 1 year; \$11,850

Gresham M. Sykes; 13 months, \$15,735

ASSOCIATION FOR COMPUTING MACHINERY, New York, N.Y.; Jack Moshman; 1 year; \$10,700

James R. Oliver; 13 months, \$9,780

INSTITUTE OF MATHEMATICAL STATISTICS, Stanford, Calif.; Gerald J. Lieberman; 3 years; \$40,000

MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N.Y.; Rothwell Stephens, Knox College, Galesburg, Ill.; 13 months; \$47,065

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Robert C. Stephenson; 1 year; \$32,315; 12 months; \$42,615

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS, Philadelphia, Pa.; G. Stephen Jones; 13 months; \$18,615

SOCIETY OF AMERICAN FORESTERS, Washington, D.C.; Henry Clepper; 13 months, \$14,860

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY, Madison, Wis.; Stephen B. Preston, University of Michigan, Ann Arbor; 13 months; \$5,100

ECONOMIC AND STATISTICAL STUDIES

BUREAU OF THE CENSUS, U.S. DEPARTMENT OF COMMERCE, Washington, D.C.; Maxwell R. Conklin; *Survey of Funds for Performance and Financing of Research and Development in Industrial Firms During 1962*; 4 months; \$34,660

U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS, Washington, D.C.; Ewan Clague; *Cost Index Applicable to Research and Development Budgets*; 1 year; \$38,000

INSTITUTIONAL PROGRAMS

GRADUATE-LEVEL RESEARCH FACILITIES

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; J. G. Potter; *Development of Enlarged Modernized Service Shop in Physics Building Renovation*; 1 year; \$4,500

ARIZONA STATE UNIVERSITY, Tempe; Lee P. Thompson; *Construction and Renovation of Facilities for Graduate Research in the Engineering Center*; 1 year; \$180,500

AUBURN UNIVERSITY, Auburn, Ala.; W. B. DeVall; *Renovation of Forest Ecology and Forest-Soils Physiology Research Laboratories*; 1 year; \$16,700

BRANDEIS UNIVERSITY, Waltham, Mass.; Louis Levin; *Expansion of Electrical Power Supply to Science Research Buildings*; 1 year; \$2,800

BROWN UNIVERSITY, Providence, R.I.; H. E. Farnsworth; *Conversion of an Existing Building into a Research Laboratory for the Department of Physics*; 1 year; \$11,900

R. W. Morse and P. F. Maeder; *Construction of New Research Facilities in a Physics-Engineering Building*; 3 years; \$750,000

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Emil J. Polak; *Construction of a New Astronomical Observatory*; 1 year; \$50,000

CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; Ray D. Owen; *Conversion of Available Space into Research Laboratories for Study of the Physical and Chemical Properties of Protein Molecules*; 1 year; \$40,000

Cornelius J. Pings; *Improvement of Facilities for Research in Liquid State Physics*; 1 year; \$5,000

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; M. C. Shaw; *Renovation of Three Areas in Machinery Hall for Research Facilities for Technical Engineering*; 1 year; \$26,100

E. M. Williams; *Renovation of Space to Expand Facilities for Research in Microwave Measurements*; 1 year; \$14,600

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; J. B. Reswick; *Construction of a Controlled Atmosphere Laboratory*; 1 year; \$7,500

R. H. Thomas; *Modification of Existing Space to Research Laboratories in Physics*; 1 year; \$12,100

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; H. L. Shulman; *Expansion of Chemical Engineering and Chemistry Research Laboratory Facilities*; 1 year; \$26,800

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; H. E. Bredeck; *Construction of a New Research Training Laboratory for the Department of Physiology*; 2 years; \$210,900

CORNELL UNIVERSITY, Ithaca, N.Y.; H. A. Scheraga; *Modification of Laboratory to Provide Research Space in Chemistry*; 1 year; \$29,000

- DARTMOUTH COLLEGE**, Hanover, N.H.; R. C. Fuller; *Construction of Research Facilities for Electron Microscopy for Departments of Microbiology and Pathology*; 2 years; \$125,000
- Leonard M. Rieser; *A New Laboratory for Research and Teaching in the Biological Sciences*; 3 years; \$740,300
- DUKE UNIVERSITY**, Durham, N.C.; Frank T. de Vyver; *Remodeling and Renovation of Building No. 10 for Research in Economics*; 1 year; \$58,200
- Harold W. Lewis; *Construction and Conversion of Physics Research Facilities*; 2 years; \$500,000
- FLORIDA STATE UNIVERSITY**, Tallahassee; R. K. Sheline; *Addition of a Third and Second Floor to the Nuclear Research Building*; 2 years; \$244,700
- H. L. Waskom; *Construction of a New Building for Basic Research and Graduate Instruction in Psychology*; 2 years; \$197,100
- GEORGIA INSTITUTE OF TECHNOLOGY**, Atlanta; C. W. Gorton; *Expansion of Research Facilities of the School of Mechanical Engineering*; 1 year; \$86,900
- HARVARD UNIVERSITY**, Cambridge, Mass.; Eugene P. Kennedy, Boston; *Renovation and Modernization of Available Space for Research in Biological Chemistry*; 2 years; \$120,500
- J. T. Shaplin; *Construction of New Laboratory Facilities for Research in the Social Sciences*; 2 years; \$216,200
- HUNTER COLLEGE**, New York, N.Y.; A. Willis Dearing; *Conversion of Facilities into a Graduate Research Laboratory for Chemistry*; 1 year; \$2,500
- ILLINOIS INSTITUTE OF TECHNOLOGY**, Chicago; Arthur E. Martell; *Renovation of Facilities for Research in the Department of Chemistry*; 1 year; \$10,400
- ILLINOIS STATE NORMAL UNIVERSITY**, Normal; R. O. Rilett; *Construction of Research Facilities for the Department of Biological Sciences*; 1 year; \$11,000
- IOWA STATE UNIVERSITY**, Ames; Clayton A. Swenson; *An Addition to the Physics Building*; 2½ years; \$1,108,000
- INDIANA UNIVERSITY**, Bloomington; J. A. Franklin; *Construction of a Research Wing to the Chemistry Building*; \$100,000
- Douglas A. MacFadyen; *Renovation of Space to Provide Research Facilities for the School of Medicine*; 2 years; \$50,000
- JOHNS HOPKINS UNIVERSITY**, Baltimore, Md.; Walter S. Koski; *Construction of New Research Facilities in an Annex to the Chemistry Laboratory*; 2 years; \$451,000
- KANSAS STATE UNIVERSITY**, Manhattan; Herbert Knutson; *Support of Remodeling and Equipping of Graduate-Level Laboratories for Basic Research and Research Training in Entomology*; 2 years; \$29,200
- KENT STATE UNIVERSITY**, Kent, Ohio; Glenn H. Brown; *Renovation of Three Rooms in McGilvrey Hall for Research Facilities for Organic and Inorganic Chemistry*; 1 year; \$8,000
- LOUISIANA STATE UNIVERSITY**, Baton Rouge; H. B. Williams; *Air Conditioning and Renovation of Graduate Level Research Space in the Department of Chemistry*; 1 year; \$37,600
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Cambridge; Howard W. Johnson; *Construction of a Social Science and Management Research Center*; 3 years; \$1,000,000
- MICHIGAN STATE UNIVERSITY**, East Lansing; H. J. Carew; *Modernisation and Expansion of Facilities for Research in Plant Physiology and Biochemistry*; 2 years; \$40,000
- William B. Drew; *Conversion of Existing Space Into Facilities for Research in Plant Physiology and Ecology*; 1 year; \$22,900
- R. G. Hansen; *Construction of New Research Facilities for the Department of Biochemistry*; 3 years; \$1,213,000
- NEW YORK UNIVERSITY**, New York; Morris H. Shamos; *Alterations to Provide New Research Facilities for the Physics Department*; 2 years; \$177,925
- James J. Stoker; *Construction of New Research Facilities for the Courant Institute of Mathematical Sciences*; 3 years; \$900,000
- NORTH DAKOTA STATE UNIVERSITY**, Fargo; F. L. Minnear; *Construction of a New Research Building for the College of Chemical Technology*; 2 years; \$100,000
- NORTH TEXAS STATE UNIVERSITY**, Denton; J. K. G. Silvey; *Completion of Basement Area of Master Hall for Research Facilities for Biology and Biochemistry*; 1 year; \$23,550
- NORTHWESTERN UNIVERSITY**, Evanston, Ill.; D. S. Berry; *Renovation and Expansion of Research Facilities in the Department of Civil Engineering*; 1 year; \$50,000
- L. G. Mitten; *Construction of Facilities for Research in Industrial Engineering*; 1 year; \$7,500
- OHIO STATE UNIVERSITY**, Columbus; E. E. Dreese; *Construction of Facilities for Graduate-Level Research in Electrical Engineering*; 2 years; \$384,800
- OHIO WESLEYAN UNIVERSITY**, Delaware; Arne Slettebak; *Renovation of Available Space to Provide Additional Research Facilities at the Perkins Observatory*; 1 year; \$7,000
- OKLAHOMA STATE UNIVERSITY**, Stillwater; O. C. Dermer; *Laboratory Furniture for Chemistry Research Laboratories*; 1 year; \$39,000
- R. N. Maddox and J. H. Boggs; *Construction of Research Facilities in a New Engineering Building*; 1 year; \$225,000
- OREGON STATE UNIVERSITY**, Corvallis; Kim K. Ching; *Remodeling of Facilities for Forest Research*; 1 year; \$2,100
- Bert E. Christensen; *Renovation of Obsolete Facilities to Provide Adequate Research Space for the Department of Chemistry*; 1 year; \$28,000
- Ernst J. Dornfeld; *Construction of Graduate-Level Research Facilities in the First Addition of Cordley Hall*; 3 years; \$425,000
- P. R. Elliker; *Construction of Graduate-Level Research Facilities*; 3 years; \$227,700
- PENNSYLVANIA STATE UNIVERSITY**, University Park; F. G. Brickwedde; *Expansion of Chemistry Research Facilities*; 3 years; \$675,000
- PRINCETON UNIVERSITY**, Princeton, N.J.; H. H. Hess; *Construction of a New Research Wing and Alterations to Existing Building for the Department of Geology*; 2 years; \$277,200

J. M. Notterman; *Renovation and Equip-
ment of Green Building and Construction of
Additional Auditory Research Facilities at
Forrestal Research Center*; 2 years; \$429,-
100

PURDUE UNIVERSITY, Lafayette, Ind.; Ray-
mond Cohen; *Construction of Sound Facili-
ties for Graduate Research*; 1 year; \$11,100

R. L. Stucky; *Construction of a New
Building for Research in Economics and
Agricultural Economics*; 2 years; \$542,100

G. H. Toebes; *Construction of a Hydro-
mechanics Research Laboratory*; 1 year;
\$200,000

RENSSELAER POLYTECHNIC INSTITUTION,
Troy, N.Y.; E. R. Gaertner; *Construction
of Facilities for Graduate Research in Nu-
clear Engineering and Science*; 2 years;
\$120,000

G. H. Handelman; *Conversion of Amos
Eaton Hall into a Mathematics Center*; 2
years; \$142,000

ST. LOUIS UNIVERSITY, Mo.; Ross R. Hein-
rich; *Construction of Research Facilities in
the Department of Geophysics and Geophys-
ical Engineering*; 2 years; \$100,000

SOUTH DAKOTA STATE COLLEGE OF AGRICUL-
TURE AND MECHANIC ARTS, Brookings; Ed-
ward C. Berry; *Completion of Facilities in
the Research Laboratories in the Dairy Tech-
nology and Bacteriology Building*; 2 years;
\$11,100

V. S. Webster; *Addition to Chemistry
Building for Graduate Research Facilities*;
1 year; \$50,000

STANFORD UNIVERSITY, Stanford, Calif.; Eric
Hutchinson; *Construction of A New Build-
ing for Research Training in Physical Chem-
istry*; 2½ years; \$450,000

Nevitt Sanford; *Renovation of Labora-
tories for the Institute for the Study of
Human Problems*; 1 year; \$7,500

STATE UNIVERSITY OF IOWA, Iowa City; K.
W. Spence; *Construction of a Psychology
Research Building*; 2 years; \$705,000

James A. Van Allen; *Construction of a
Physics Research Building*; 2 years; \$650,-
000

STATE UNIVERSITY OF NEW YORK COLLEGE
OF AGRICULTURE AT CORNELL UNIVERSITY,
Ithaca; Charles E. Palm; *Expansion of
Facilities for Basic Research in the Biologi-
cal Sciences*; 4 years; \$1,200,000

STATE UNIVERSITY OF SOUTH DAKOTA, Ver-
million; George P. Scott; *Renovation of
Laboratory Room for Research in Chemis-
try*; 1 year; \$7,600

SWARTHMORE COLLEGE, Swarthmore, Pa.;
Peter van de Kamp; *Addition to and Ren-
ovation of Sproul Observatory*; 18 months;
\$46,520

TUFTS UNIVERSITY, Medford, Mass.; M. Kent
Wilson; *Construction of a New Research
Wing for the Department of Chemistry*; 2
years; \$130,000

UNIVERSITY OF ARIZONA, Tucson; William
P. Bemis; *Renovation and Furnishing Re-
search Facilities for Department of Horti-
culture*; 2 years; \$10,000

A. L. McComb; *Renovation and Furnish-
ing of Three Existing Rooms for Research
Laboratories for the Department of Water-
shed Management*; 2 years; \$16,900

UNIVERSITY OF ARKANSAS, Fayetteville; Vir-
gil W. Adkisson; *Construction of Research
Facilities in a New Science-Engineering
Building*; 3 years; \$217,900

UNIVERSITY OF CALIFORNIA, Berkeley; Leon-
ard Machlis; *Renovation of Three Rooms in
the Life Sciences Building for Research Fa-
cilities for the Department of Botany*; 2
years; \$20,000

Julian C. Crane, Davis; *Controlled En-
vironmental Rooms for Research in the De-
partment of Pomology*; 1 year; \$16,000

Donald G. Crosby, Davis; *Construction of
a New Laboratory Building for Basic Re-
search in Toxicology*; 2 years; \$175,000

John L. Ingraham, Davis; *Laboratory Ani-
mal Building for Biological Sciences*; 2
years; \$30,200

A. W. Lawson, Riverside; *Construction
of Research Facilities in the New Physics
Building*; 3 years; \$545,800

UNIVERSITY OF CHICAGO, Ill.; Benson E.
Ginsburg; *Life Sciences Facility for Staff
Research in the College Biology Section*; 1
year; \$64,700

E. H. Hess; *Alteration and Moderniza-
tion of a Central Building for the Depart-
ment of Psychology*; 1 year; \$490,800

Clyde A. Hutchison, Jr.; *Construction of
A New Research Laboratory for the Depart-
ment of Chemistry*; 3 years; \$1,000,000

UNIVERSITY OF COLORADO, Boulder; David
Arthur Lind; *Construction of an Additional
Building for Research in Nuclear Physics*;
2 years; \$123,300

Donald J. Mason; *Construction of a Life
Sciences Research Laboratory*; 1 year;
\$99,000

UNIVERSITY OF DAYTON, Ohio; Paul P. Ma-
chowicz; *Development of Graduate-Level
Research Facility in the Department of
Biology*; 1 year; \$12,600

UNIVERSITY OF DELAWARE, Newark; J. P.
Hartnett; *Modernization and Renovation of
Graduate-Level Research Facilities in the
Department of Mechanical Engineering*; 2
years; \$187,400

UNIVERSITY OF FLORIDA, Gainesville; Alan
D. Conger; *Plant-Growth Facilities for Ra-
diation Botany and Biology*; 2 years; \$47,100

UNIVERSITY OF GEORGIA, Athens; Curtis R.
Jackson; *Construction of Plant Pathology
Research Facilities*; 1 year; \$20,000

UNIVERSITY OF HOUSTON, Tex.; J. R. Crump;
*Construction of Additional Facilities for the
Departments of Chemical, Electrical, and
Mechanical Engineering*; 1 year; \$34,300

UNIVERSITY OF ILLINOIS, Urbana; H. E. Car-
ter and H. A. Laitinen; *Construction of Re-
search Facilities in an Addition to the East
Chemistry Building*; 3 years; \$1,600,000

John R. Pasta; *Construction of Second
Addition to the Digital Computer Laboratory
Building*; 2 years; \$483,500

UNIVERSITY OF LOUISVILLE, Ky.; Warren H.
Dennis; *Renovation of Existing Space for
Laboratories for Basic Research and Re-
search Training in Ophthalmology*; 1 year;
\$16,000

Ulrich Westphal; *Remodeling of Research
Facilities for Part of the Biochemistry De-
partment*; 1 year; \$16,000

UNIVERSITY OF MASSACHUSETTS, Amherst; Donald Fairbairn; *New Facilities for Research and Graduate Training in the Morrill Science Center*; 2 years; \$239,825

George R. Richason, Jr.; *Modification and Renovation of Selected Areas of the Goessmann Chemistry Laboratory*; 2 years; \$150,000

UNIVERSITY OF MIAMI, Coral Gables, Fla.; J. W. McDavid; *Development of the Psychological Human Research Laboratories*; 1 year; \$29,000

UNIVERSITY OF MICHIGAN, Ann Arbor; Leigh C. Anderson; *A New Air Supply System for the Chemistry-Pharmacy Building*; 18 months; \$89,500

Reynolds M. Denning; *Remodeling and Refurbishment of Existing Space for Research in Geology and Mineralogy*; 1 year; \$17,300

UNIVERSITY OF MINNESOTA, Minneapolis; W. J. Breckenridge; *Construction of Research Laboratories in a New Wing of the Museum of Natural History*; 3 years; \$50,000

John A. Buttrick; *Construction of a Center for Economic Research*; 2 years; \$104,200

Kenneth MacCorquodale; *Space Alterations to Provide Laboratory for Physiological Psychology*; 1 year; \$20,500

W. M. Myers; *Renovation and Modernization of an Existing Laboratory to Facilitate Its Use as a Radiation Genetics Graduate-Research Laboratory*; 2 years; \$23,600

Alfred O. C. Nier; *Addition to Physics Facilities*; 2 years; \$600,200

Gerald B. Ownbey; *Construction of Laboratory for Cytotaxonomic Research*; 1 year; \$2,500

W. G. Shepherd; *Construction of an Addition to Research Facilities in Electrical Engineering Building*; 1 year; \$137,400

UNIVERSITY OF MISSOURI, Columbia; A. G. Unklesbay; *Construction of Research Facilities in a New Geology Building*; 2 years; \$319,700

UNIVERSITY OF NEW MEXICO, Albuquerque; G. A. Crosby; *Conversion of Available Space into a Graduate Research Laboratory for the Department of Chemistry*; 1 year; \$7,500

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; J. Logan Irvin; *Remodeling and Furnishing of Additional Space for Research Laboratories for the Department of Biochemistry and Nutrition*; 2 years; \$40,200

T. E. Maki, Raleigh; *Construction of Laboratory Facilities in the New Forestry Building*; 3 years; \$85,000

UNIVERSITY OF NOTRE DAME, Ind.; Thomas E. Stewart; *Construction of New Facilities for Research for Department of Mathematics*; 1 year; \$215,100

UNIVERSITY OF OKLAHOMA, Norman; Sherril D. Christian; *Renovation of Chemistry Research Facilities*; 1 year; \$71,200

Raymond Daniels; *Construction of New Facilities for Research in Chemical Engineering*; 2 years; \$277,500

R. D. Daniels; *Construction of New Facilities for Research in Material Sciences*; 2 years; \$80,000

Howard W. Larsh; *Construction of Research Facilities in a New Building for Botany and Microbiology*; 3 years; \$300,000

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Britton Chance; *Addition of a Sixth Floor on a New Biology Building*; 3 years; \$171,000

Ralph O. Erickson; *Construction of Plant Growth Rooms for Division of Biology*; 2 years; \$81,350

UNIVERSITY OF PITTSBURGH, Pa.; A. F. Frederickson; *Research Facilities for the Department of Geology*; 1 year; \$11,000

David Halliday; *Renovation of Facilities in a Physics Research Building*; 1 year, \$34,600

UNIVERSITY OF ROCHESTER, N.Y.; John W. Graham, Jr.; *Renovation and Expansion of Graduate-Level Research Facilities in Engineering*; 1 year; \$118,800

UNIVERSITY OF TENNESSEE, Knoxville; Hilton A. Smith; *Construction of Research Facilities in a New Engineering Building*; 1 year; \$180,000

Hilton A. Smith; *Construction of a New Wing Providing Research Facilities for Biology*; 2 years; \$425,400

UNIVERSITY OF TEXAS, Austin; A. A. Toprac; *Expansion of Structures Research Laboratory*; 1 year; \$20,000

UNIVERSITY OF UTAH, Salt Lake City; J. M. Sugihara; *Construction of Research Facilities in a New Chemistry Building*; 2½ years; \$260,000

UNIVERSITY OF VIRGINIA, Charlottesville; Nicholas Cabrera; *Construction of a Nuclear Physics Research Laboratory With Facilities to House a New Van de Graaff Accelerator*; 2 years; \$179,000

UNIVERSITY OF WASHINGTON, Seattle; George H. Cady; *New Research Facilities in the Chemistry Laboratory*; 1 year; \$96,300

Arthur W. Martin; *Construction of Graduate Research Laboratories in the Burke Memorial Museum*; 2 years, \$95,500

James I. Mueller; *Construction of Research Facilities for Ceramic Engineering*; 2 years; \$30,000

UNIVERSITY OF WISCONSIN, Madison; John D. Ferry; *Construction of Research Facilities for the Department of Chemistry*; 3 years; \$1,200,000

UTAH STATE UNIVERSITY, Logan; T. W. Daniel; *Construction of Controlled Environment Facilities in the Department of Forest Management*; 1 year; \$4,000

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; R. E. Blaser; *Establishment of an Environmental Control Laboratory*; 1 year; \$14,400

R. C. Krug; *Expansion of Research Facilities for the Department of Chemistry*; 1 year; \$15,000

WASHINGTON STATE UNIVERSITY, Pullman; Arthur L. Cohen; *An Electron Microscope Laboratory for Research and Training in the Biological Sciences*; 1 year; \$16,800

WASHINGTON UNIVERSITY, St. Louis, Mo.; Marion E. Bunch; *Remodeling of Facilities for Research Laboratories in the Department of Psychology*; 1 year; \$22,000

Robert L. Hamblin; *Renovation of Part of MacMillan Hall for Research Facilities for the Department of Sociology-Anthropology*; 1 year; \$24,800

Florence Moog; *Construction of a New Laboratory Building for Experimental Biology*; 2 years; \$152,500

WAYNE STATE UNIVERSITY, Detroit, Mich.; Henry V. Bohm; *Construction of New Facilities for Research in Physics*; 2 years; \$550,000

WEST VIRGINIA UNIVERSITY, Morgantown; Homer Patrick; *Construction and Equipping of a Controlled Temperature Laboratory*; 1 year; \$11,000

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Frank Hovorka; *Renovation of Space to Provide Additional Graduate Research Facilities for the Department of Chemistry*; 1 year; \$7,900

Howard A. Schneiderman; *Conversion of Available Space into Research Facilities for the Department of Biology*; 2 years; \$66,000

WILLIAM MARSH RICE UNIVERSITY, Houston, Tex.; Richard B. Turner; *Renovation and Expansion of Research Facilities in Chemistry*; 2 years; \$300,000

YALE UNIVERSITY, New Haven, Conn.; D. Allan Bromley; *Construction of Facilities to House a 20-MeV Tandem Van de Graaff Accelerator*; 2 years; \$500,000

Claude E. Buxton; *Remodeling of Physiological Psychology Laboratories*; 1 year; \$34,000

S. Dillon Ripley; *Renovation of Available Space for Graduate Research Facilities for Invertebrate Paleontology*; 1 year; \$24,800

J. M. Sturtevant; *Construction of New Research Facilities in the Department of Chemistry*; 2 years; \$250,000

INSTITUTIONAL GRANTS PROGRAM

ADELPHI COLLEGE, Garden City, N.Y.; \$13,759

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; \$31,471

AGRICULTURAL AND TECHNOLOGY COLLEGE OF NORTH CAROLINA, Greensboro; \$10,047

ALABAMA COLLEGE, Montevallo; \$10,160

ALAMEDA COUNTY STATE COLLEGE, Hayward, Calif.; \$3,500

ALBION COLLEGE, Albion, Mich.; \$10,469

ALFRED UNIVERSITY, Alfred, N.Y.; \$11,000

ALLGHENY COLLEGE, Meadville, Pa.; \$5,200

ALMA COLLEGE, Alma, Mich.; \$9,800

AMERICAN UNIVERSITY, Washington, D.C.; \$11,946

AMHERST COLLEGE, Amherst, Mass.; \$12,248

ANTIOCH COLLEGE, Yellow Springs, Ohio; \$11,192

ARIZONA STATE COLLEGE, Flagstaff; \$5,200

ARIZONA STATE UNIVERSITY, Tempe; \$20,575

ARLINGTON STATE COLLEGE, Arlington, Tex.; \$10,524

ASHEVILLE-BILTMORE COLLEGE, Asheville, N.C.; \$7,000

ATLANTIC UNION COLLEGE, South Lancaster, Mass.; \$8,000

AUBURN UNIVERSITY FOUNDATION, Auburn, Ala.; \$3,652

AUGSBURG COLLEGE AND THEOLOGICAL SEMINARY, Minneapolis, Minn.; \$3,100

AUGUSTANA COLLEGE, Sioux Falls, S. Dak.; \$4,200

BAYLOR UNIVERSITY, Waco, Tex.; \$19,750

BENNINGTON COLLEGE, Bennington, Vt.; \$17,640

BEREA COLLEGE, Berea, Ky.; \$3,400

BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; \$10,260

BOSTON COLLEGE, Chestnut Hill, Mass.; \$13,194

BOSTON UNIVERSITY, Boston, Mass.; \$21,845

BOWDOIN COLLEGE, Brunswick, Maine; \$11,303

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; \$11,242

BRADLEY UNIVERSITY, Peoria, Ill.; \$11,000

BRANDIS UNIVERSITY, Waltham, Mass.; \$82,205

BRIGHAM YOUNG UNIVERSITY, Provo, Utah; \$32,145

BROOKLYN COLLEGE, Brooklyn, N.Y.; \$20,187

BROWN UNIVERSITY, Providence, R.I.; \$64,445

BRYN MAWR COLLEGE, Bryn Mawr, Pa.; \$17,750

BUCKNELL UNIVERSITY, Lewisburg, Pa.; \$11,115

CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; \$75,000

CANISUS COLLEGE, Buffalo, N.Y.; \$10,823

CARDINAL STRITCH COLLEGE, Milwaukee, Wis.; \$1,665

CARLETON COLLEGE, Northfield, Minn.; \$12,203

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; \$35,750

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; \$84,272

CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; \$28,659

CENTRAL STATE COLLEGE, Wilberforce, Ohio; \$8,600

COLLEGE OF CHARLESTON, Charleston, S.C.; \$2,200

CHICAGO COLLEGE OF OSTEOPATHY, Ill.; \$11,390

CHICAGO MEDICAL SCHOOL, Ill.; \$12,750

CHICO STATE COLLEGE FOUNDATION, Chico, Calif.; \$11,780

CHRISTIAN BROTHERS COLLEGE, Memphis, Tenn.; \$11,000

CITY COLLEGE, New York, N.Y.; \$25,955

CLARK UNIVERSITY, Worcester, Mass.; \$12,990

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; \$13,120

CLEMSON COLLEGE, Clemson, S.C.; \$11,554

COE COLLEGE, Cedar Rapids, Iowa; \$9,100

COLBY COLLEGE, Waterville, Maine; \$4,450

COLGATE UNIVERSITY, Hamilton, N.Y.; \$6,769

COLLEGE OF THE HOLY CROSS, Worcester, Mass.; \$12,866

COLLEGE OF MOUNT ST. VINCENT, New York, N.Y.; \$3,300

COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.; \$12,915

COLLEGE OF WOOSTER, Wooster, Ohio; \$10,848

COLORADO COLLEGE, Colorado Springs; \$7,235

COLORADO SCHOOL OF MINES, Golden; \$8,796

COLORADO STATE UNIVERSITY, Fort Collins; \$30,951

COLUMBIA UNIVERSITY, New York, N.Y.; \$75,000
CONCORDIA COLLEGE, Moorhead, Minn.; \$6,000
CORNELL COLLEGE, Mount Vernon, Iowa; \$2,834
CORNELL UNIVERSITY, Ithaca, N.Y.; \$75,000
DARTMOUTH COLLEGE, Hanover, N.H.; \$37,430
DENISON UNIVERSITY, Granville, Ohio; \$10,190
DEPAUL UNIVERSITY, Chicago, Ill.; \$10,515
DEPAUW UNIVERSITY, Greencastle, Ind.; \$800
DICKINSON COLLEGE, Carlisle, Pa.; \$4,500
DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa.; \$11,644
DUKE UNIVERSITY, Durham, N.C.; \$55,799
DUNBARTON COLLEGE OF HOLY CROSS, Washington, D.C.; \$2,400
DUQUESNE UNIVERSITY, Pittsburgh, Pa.; \$13,770
EARLEHAM COLLEGE, Richmond, Ind.; \$14,129
EMORY UNIVERSITY, Atlanta, Ga.; \$8,346
FAIRFIELD UNIVERSITY, Fairfield, Conn.; \$1,550
FAIRLEIGH DICKINSON UNIVERSITY, Rutherford, N.J.; \$7,000
FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY, Tallahassee; \$10,100
FLORIDA PRESBYTERIAN COLLEGE, St. Petersburg; \$10,200
FLORIDA SOUTHERN COLLEGE, Lakeland; \$10,095
FLORIDA STATE UNIVERSITY, Tallahassee; \$42,174
FORDHAM UNIVERSITY, New York, N.Y.; \$21,117
FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; \$12,277
FREDERIC BURK FOUNDATION FOR EDUCATION, San Francisco, Calif.; \$17,280
FRESNO STATE COLLEGE, Fresno, Calif.; \$14,210
GALLAUDET COLLEGE, Washington, D.C.; \$11,320
GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; \$25,002
GEORGE WASHINGTON CARVER FOUNDATION, Tuskegee Institute, Ala.; \$12,340
GEORGETOWN UNIVERSITY, Washington, D.C.; \$19,589
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; \$24,994
GETTYSBURG COLLEGE, Gettysburg, Pa.; \$6,300
GOUCHER COLLEGE, Baltimore, Md.; \$13,521
GRAMBLING COLLEGE, Grambling, La.; \$4,900
GRINNELL COLLEGE, Grinnell, Iowa; \$11,090
GUSTAVUS ADOLPHUS COLLEGE, St. Peter, Minn.; \$3,200
HAHNEMANN MEDICAL COLLEGE AND HOSPITAL, Philadelphia, Pa.; \$11,560
HAMILTON COLLEGE, Clinton, N.Y.; \$5,600
HAMLIN UNIVERSITY, St. Paul, Minn.; \$4,600
HAMPDEN-SYDNEY COLLEGE, Hampden-Sydney, Va.; \$7,600
HARTNELL COLLEGE, Salinas, Calif.; \$10,510
HARVARD UNIVERSITY, Cambridge, Mass.; \$75,000
HARVEY MUDD COLLEGE, Claremont, Calif.; \$19,225.
HAVERFORD COLLEGE, Haverford, Pa.; \$8,446
HOLLINS COLLEGE, Hollins College, Va.; \$13,250
HOWARD UNIVERSITY, Washington, D.C.; \$18,959
HUNTER COLLEGE, New York, N.Y.; \$13,618
IDAHO STATE COLLEGE, Pocatello; \$11,210
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; \$22,735
ILLINOIS STATE NORMAL UNIVERSITY, Normal; \$7,000
ILLINOIS WESLEYAN UNIVERSITY, Bloomington; \$3,300
IMMACULATE HEART COLLEGE, Los Angeles, Calif.; \$10,356
INDIANA UNIVERSITY FOUNDATION, Bloomington; \$64,751
IOWA STATE UNIVERSITY, Ames; \$34,432
JACKSON STATE COLLEGE, Jackson, Miss.; \$10,810
JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; \$73,622
JUNIATA COLLEGE, Huntingdon, Pa.; \$10,260
KALAMAZOO COLLEGE, Kalamazoo, Mich.; \$2,800
KANSAS STATE COLLEGE of Pittsburg; \$11,033
KANSAS STATE UNIVERSITY, Manhattan; \$23,529
KENT STATE UNIVERSITY, Kent, Ohio; \$11,929
KENTUCKY RESEARCH FOUNDATION, Lexington; \$15,902
KENYON COLLEGE, Gambier, Ohio; \$10,373
KING COLLEGE, Bristol, Tenn.; \$10,200
KNOX COLLEGE, Galesburg, Ill.; \$3,614
LAFAYETTE COLLEGE, Easton, Pa.; \$11,348
LAKE FOREST COLLEGE, Lake Forest, Ill.; \$5,285
LAWRENCE COLLEGE, Appleton, Wis.; \$11,880
LE MOYNE COLLEGE, Syracuse, N.Y.; \$3,200
LEBANON VALLEY COLLEGE, Annville, Pa.; \$7,000
LEHIGH UNIVERSITY, Bethlehem, Pa.; \$35,324
LINCOLN UNIVERSITY, Jefferson City, Mo.; \$5,000
LINFIELD COLLEGE, McMinnville, Oreg.; \$9,728
LONG BEACH STATE COLLEGE FOUNDATION, Long Beach, Calif.; \$13,260
LONGWOOD COLLEGE, Farmville, Va.; \$3,600
LOS ANGELES STATE COLLEGE, Calif.; \$16,430
LOUISIANA POLYTECHNIC INSTITUTE, Ruston; \$15,420
LOUISIANA STATE UNIVERSITY, Baton Rouge; \$34,066
LOYOLA COLLEGE, Baltimore, Md.; \$6,300
LOYOLA UNIVERSITY, Chicago, Ill.; \$4,645

LOYOLA UNIVERSITY, New Orleans, La.; \$14,076
 LYNCHBURG COLLEGE, Lynchburg, Va.; \$10,500
 MACALESTER COLLEGE, St. Paul, Minn.; \$3,900
 MANCHESTER COLLEGE, North Manchester, Ind.; \$3,900
 MANHATTAN COLLEGE, New York, N.Y.; \$21,611
 MARIAN COLLEGE, Indianapolis, Ind.; \$1,500
 MARLBORO COLLEGE, Marlboro, Vt.; \$10,000
 MARQUETTE UNIVERSITY, Milwaukee, Wis.; \$13,665
 MARSHALL FOUNDATION, Inc., Huntington, W. Va.; \$4,600
 MARYCREST COLLEGE, Davenport, Iowa; \$2,000
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; \$75,000
 MEDICAL COLLEGE OF SOUTH CAROLINA, Charleston; \$14,360
 MEDICAL COLLEGE OF VIRGINIA, Richmond; \$10,270
 MERCYHURST COLLEGE, Erie, Pa.; \$3,150
 MIAMI UNIVERSITY, Oxford, Ohio; \$10,488
 MICHIGAN STATE UNIVERSITY, East Lansing, \$54,893
 MIDWESTERN UNIVERSITY, Wichita Falls, Tex.; \$10,000
 MILLIKIN UNIVERSITY, Decatur, Ill.; \$9,135
 MILLS COLLEGE, Oakland, Calif.; \$2,600
 MILLSAPS COLLEGE, Jackson, Miss.; \$7,400
 MISSISSIPPI STATE UNIVERSITY, State College; \$17,355
 MONTANA SCHOOL OF MINES, Butte; \$14,185
 MONTANA STATE COLLEGE, Bozeman; \$18,594
 MONTANA STATE UNIVERSITY, Missoula; \$10,514
 MOREHOUSE COLLEGE, Atlanta, Ga.; \$10,119
 MORGAN STATE COLLEGE, Baltimore, Md.; \$9,255
 MOUNT HOLYOKE COLLEGE, South Hadley, Mass.; \$10,275
 MOUNT ST. MARY'S COLLEGE, Los Angeles, Calif.; \$10,500
 MOUNT ST. SCHOLASTICA COLLEGE, Atchison, Kans.; \$1,895
 MUHLENBERG COLLEGE, Allentown, Pa.; \$7,000
 MUNICIPAL UNIVERSITY OF OMAHA, Nebr.; \$4,320
 MUSKINGUM COLLEGE, New Concord, Ohio; \$8,795
 NEBRASKA STATE TEACHERS COLLEGE, Chadron; \$1,989
 NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; \$12,745
 NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro; \$18,642
 NEW MEXICO STATE UNIVERSITY, University Park; \$22,404
 NEW YORK UNIVERSITY, New York; \$55,012
 NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; \$1,750
 NORTH CENTRAL COLLEGE, Naperville, Ill.; \$4,995
 NORTH DAKOTA STATE UNIVERSITY, Fargo; \$14,629
 NORTH GEORGIA COLLEGE, Dahlonega; \$2,800
 NORTH TEXAS STATE UNIVERSITY, Denton; \$8,347
 NORTHEASTERN UNIVERSITY, Boston, Mass.; \$25,410
 NORTHERN ILLINOIS UNIVERSITY, DeKalb; \$7,500
 NORTHERN MICHIGAN COLLEGE, Marquette; \$10,484
 NORTHWEST NAZARENE COLLEGE, Nampa, Idaho; \$10,400
 NORTHWESTERN UNIVERSITY, Evanston, Ill.; \$75,000
 NOTRE DAME COLLEGE OF STATEN ISLAND, Staten Island, N.Y.; \$1,660
 OBERLIN COLLEGE, Oberlin, Ohio; \$16,679
 OCCIDENTAL COLLEGE, Los Angeles, Calif.; \$2,600
 OHIO STATE UNIVERSITY, Columbus, \$75,000
 OHIO UNIVERSITY, Athens; \$15,754
 OHIO WESLEYAN UNIVERSITY, Delaware; \$19,440
 OKLAHOMA STATE UNIVERSITY, Stillwater; \$27,211
 OLD DOMINION COLLEGE, Norfolk, Va.; \$5,100
 ORANGE COUNTY STATE COLLEGE FOUNDATION, Fullerton, Calif.; \$8,000
 OREGON STATE UNIVERSITY, Corvallis; \$53,833
 PACIFIC LUTHERAN UNIVERSITY, Tacoma, Wash.; \$8,750
 PAN AMERICAN COLLEGE, Edinburg, Tex.; \$10,270
 PENNSYLVANIA STATE UNIVERSITY, University Park; \$75,000
 PFEIFFER COLLEGE, Misenheimer, N.C.; \$4,600
 POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; \$34,860
 POMONA COLLEGE, Claremont, Calif.; \$16,460
 PRINCETON UNIVERSITY, Princeton, N.J.; \$75,000
 PRINCIPIA COLLEGE, Elsah, Ill.; \$1,500
 PURDUE RESEARCH FOUNDATION, Lafayette, Ind.; \$75,000
 QUEENS COLLEGE, Flushing, N.Y.; \$19,480
 REED COLLEGE, Portland, Oreg.; \$11,712
 RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; \$31,928
 RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; \$17,790
 RESEARCH FOUNDATION OF UNIVERSITY OF TOLEDO, Ohio; \$11,000
 RIPON COLLEGE, Ripon, Wis.; \$10,240
 ROCKEFELLER INSTITUTE, New York, N.Y.; \$27,377
 ROCKHURST COLLEGE, Kansas City, Mo.; \$5,600
 ROLLINS COLLEGE, Winter Park, Fla.; \$12,000
 ROOSEVELT UNIVERSITY, Chicago, Ill.; \$10,580
 ROSARY HILL COLLEGE, Buffalo, N.Y.; \$2,100

ROSE POLYTECHNIC INSTITUTE, Terre Haute, Ind.; \$6,400

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; \$61,333

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; \$12,420

ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; \$10,170

ST. JOSEPH COLLEGE, West Hartford, Conn.; \$5,680

ST. JOSEPH COLLEGE, Emmitsburg, Md.; \$2,750

ST. LAWRENCE UNIVERSITY, Canton, N.Y.; \$4,240

ST. LOUIS UNIVERSITY, Mo.; \$19,286

ST. MARY'S COLLEGE, St. Mary's College, Calif.; \$10,870

ST. MARY'S COLLEGE, Winona, Minn.; \$11,048

ST. MARY'S UNIVERSITY, San Antonio, Tex.; \$5,880

ST. PETER'S COLLEGE, Jersey City, N.J.; \$10,300

ST. OLAF COLLEGE, Northfield, Minn.; \$11,004

ST. PROCOPIUS COLLEGE, Lisle, Ill.; \$5,570

SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; \$26,984

SAN FERNANDO VALLEY STATE COLLEGE FOUNDATION, Northridge, Calif.; \$5,500

SAN JOSE STATE COLLEGE FOUNDATION, San Jose, Calif.; \$12,230

SARAH LAWRENCE COLLEGE, Bronxville, N.Y.; \$4,275

SAVANNAH STATE COLLEGE, Savannah, Ga.; \$7,400

SEATTLE PACIFIC COLLEGE, Seattle, Wash.; \$12,560

SEATTLE UNIVERSITY, Wash.; \$4,043

SETON HALL UNIVERSITY, South Orange, N.J.; \$19,189

SIMPSON COLLEGE, Indianola, Iowa; \$10,070

SMITH COLLEGE, Northampton, Mass.; \$13,306

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City; \$11,891

SOUTH DAKOTA STATE COLLEGE, Brookings; \$11,250

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; \$15,908

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; \$19,429

SOUTHERN MISSIONARY COLLEGE, Collegedale, Tenn.; \$11,520

SOUTHERN OREGON COLLEGE, Ashland; \$10,051

SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; \$11,602

SOUTHWEST MISSOURI STATE COLLEGE, Springfield, Mo.; \$10,510

SOUTHWESTERN AT MEMPHIS, Tenn.; \$10,540

STANFORD UNIVERSITY, Stanford, Calif.; \$75,000

STATE UNIVERSITY OF IOWA, Iowa City; \$38,249

STATE UNIVERSITY OF NEW YORK AT BUFFALO; \$25,770

STATE UNIVERSITY OF NEW YORK, HARPUR COLLEGE, Binghamton; \$7,255

STATE UNIVERSITY OF NEW YORK AT STONY BROOK; \$28,025

STATE UNIVERSITY OF NEW YORK, DOWNSTATE MEDICAL CENTER, Brooklyn; \$11,830

STATE UNIVERSITY OF NEW YORK, UPSTATE MEDICAL CENTER, Syracuse; \$14,970

STATE UNIVERSITY OF NEW YORK COLLEGE OF FORESTRY AT SYRACUSE UNIVERSITY, Syracuse; \$14,332

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; \$13,217

STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; \$12,565

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; \$21,360

SUL ROSS STATE COLLEGE, Alpine, Tex.; \$10,750

SWARTHMORE COLLEGE, Swarthmore, Pa.; \$19,986

SYRACUSE UNIVERSITY, Syracuse, N.Y.; \$46,721

TEMPLE UNIVERSITY, Philadelphia, Pa.; \$21,078

TENNESSEE WESLEYAN COLLEGE, Athens; \$3,280

TEXAS LUTHERAN COLLEGE, Sequin; \$7,365

TEXAS SOUTHERN UNIVERSITY, Houston; \$11,100

TEXAS TECHNOLOGICAL COLLEGE, Lubbock; \$12,554

TEXAS WOMAN'S UNIVERSITY, Denton; \$5,037

TRIEL COLLEGE, Greenville, Pa.; \$1,900

TRINITY COLLEGE, Hartford, Conn.; \$5,221

TUFTS UNIVERSITY, Medford, Mass.; \$27,931

TULANE UNIVERSITY, New Orleans, La.; \$35,356

UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; \$11,520

UNIVERSITY OF AKRON, Ohio; \$13,370

UNIVERSITY OF ALABAMA, University; \$10,599

UNIVERSITY OF ALASKA, College; \$45,024

UNIVERSITY OF ARIZONA, Tucson; \$55,541

UNIVERSITY OF ARKANSAS, Fayetteville; \$23,650

UNIVERSITY OF BRIDGEPORT, Conn.; \$7,400

UNIVERSITY OF CALIFORNIA, Berkeley; \$75,000

UNIVERSITY OF CALIFORNIA, Davis; \$34,687

UNIVERSITY OF CALIFORNIA, Los Angeles; \$75,000

UNIVERSITY OF CALIFORNIA, Riverside; \$40,970

UNIVERSITY OF CALIFORNIA, San Diego; \$75,000

UNIVERSITY OF CALIFORNIA, San Francisco; \$19,335

UNIVERSITY OF CALIFORNIA, Santa Barbara; \$24,101

UNIVERSITY OF CHICAGO, Ill.; \$75,000

UNIVERSITY OF CINCINNATI, Ohio; \$12,096

UNIVERSITY OF COLORADO, Boulder; \$66,891

UNIVERSITY OF CONNECTICUT, Storrs; \$20,872

UNIVERSITY OF DAYTON, Ohio; \$10,100

UNIVERSITY OF DELAWARE, Newark; \$26,559

UNIVERSITY OF DENVER, Colo. ; \$7,800
UNIVERSITY OF FLORIDA, Gainesville ; \$58,083
UNIVERSITY OF GEORGIA, Athens ; \$26,483
UNIVERSITY OF HAWAII, Honolulu ; \$38,450
UNIVERSITY OF HOUSTON, Tex. ; \$13,990
UNIVERSITY OF IDAHO, Moscow ; \$20,338
UNIVERSITY OF ILLINOIS, Urbana ; \$75,000
UNIVERSITY OF KANSAS, Lawrence ; \$52,915
UNIVERSITY OF KANSAS CITY, Mo. ; \$1,058
UNIVERSITY OF LOUISVILLE, Ky. ; \$24,721
UNIVERSITY OF MAINE, Orono ; \$14,689
UNIVERSITY OF MARYLAND, College Park ; \$55,115
UNIVERSITY OF MASSACHUSETTS, Amherst ; \$27,855
UNIVERSITY OF MIAMI, Coral Gables, Fla. ; \$34,348
UNIVERSITY OF MICHIGAN, Ann Arbor ; \$75,000
UNIVERSITY OF MINNESOTA, Minneapolis ; \$75,000
UNIVERSITY OF MISSISSIPPI, University ; \$17,749
UNIVERSITY OF MISSOURI, Columbia ; \$43,526
UNIVERSITY OF NEBRASKA, Lincoln ; \$25,891
UNIVERSITY OF NEVADA, Reno ; \$19,784
UNIVERSITY OF NEW HAMPSHIRE, Durham ; \$20,165
UNIVERSITY OF NEW MEXICO, Albuquerque ; \$20,583
UNIVERSITY OF NORTH CAROLINA, Chapel Hill ; \$30,120
UNIVERSITY OF NORTH CAROLINA, Greensboro ; \$4,300
UNIVERSITY OF NORTH CAROLINA, Raleigh ; \$29,081
UNIVERSITY OF NORTH DAKOTA, Grand Forks ; \$11,710
UNIVERSITY OF NOTRE DAME, Ind. ; \$26,174
UNIVERSITY OF OKLAHOMA RESEARCH INSTITUTE, Norman ; \$41,890
UNIVERSITY OF OREGON, Eugene ; \$48,826
UNIVERSITY OF THE PACIFIC, Stockton, Calif. ; \$10,820
UNIVERSITY OF PENNSYLVANIA, Philadelphia ; \$75,000
UNIVERSITY OF PITTSBURGH, Pa. ; \$34,026
UNIVERSITY OF PORTLAND, Oreg. ; \$9,184
UNIVERSITY OF PUERTO RICO, Rio Piedras ; \$12,981
UNIVERSITY OF PUGET SOUND RESEARCH INSTITUTE, Tacoma, Wash. ; \$11,280
UNIVERSITY OF RHODE ISLAND, Kingston ; \$14,500
UNIVERSITY OF ROCHESTER, N.Y. ; \$55,717
UNIVERSITY OF SAN FRANCISCO, Calif. ; \$8,315
UNIVERSITY OF SCRANTON, Pa. ; \$10,470
UNIVERSITY OF THE SOUTH, Sewanee, Tenn. ; \$11,660
UNIVERSITY OF SOUTH CAROLINA, Columbia ; \$19,045
UNIVERSITY OF SOUTH FLORIDA, Tampa ; \$11,110
UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles ; \$46,279

UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette ; \$11,464
UNIVERSITY OF TENNESSEE, Knoxville ; \$24,373
UNIVERSITY OF TEXAS, Austin ; \$63,387
UNIVERSITY OF TEXAS, DENTAL BRANCH, Houston ; \$4,700
UNIVERSITY OF TEXAS, MEDICAL BRANCH, Galveston ; \$12,200
UNIVERSITY OF TEXAS, SOUTHWESTERN MEDICAL SCHOOL, Dallas ; \$805
UNIVERSITY OF TEXAS, TEXAS WESTERN COLLEGE, El Paso ; \$24,390
UNIVERSITY OF TULSA, Okla. ; \$9,300
UNIVERSITY OF UTAH, Salt Lake City ; \$39,121
UNIVERSITY OF VERMONT, Burlington ; \$19,121
UNIVERSITY OF VIRGINIA, Charlottesville ; \$28,315
UNIVERSITY OF WASHINGTON, Seattle ; \$75,000
UNIVERSITY OF WICHITA, Kans. ; \$13,103
UNIVERSITY OF WISCONSIN, Madison ; \$75,000
UNIVERSITY OF WYOMING, Laramie ; \$16,689
UTAH STATE UNIVERSITY, Logan ; \$18,277
VALPARAISO UNIVERSITY, Valparaiso, Ind. ; \$11,530
VANDERBILT UNIVERSITY, Nashville, Tenn. ; \$30,855
VILLA MADONNA COLLEGE, Covington, Ky. ; \$10,335
VILLANOVA UNIVERSITY, Villanova, Pa. ; \$10,320
VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg ; \$19,435
VIRGINIA STATE COLLEGE, Petersburg ; \$5,600
WABASH COLLEGE, Crawfordsville, Ind. ; \$13,150
WAKE FOREST COLLEGE, Winston-Salem, N.C. ; \$6,092
WALLA WALLA COLLEGE, College Place, Wash. ; \$10,390
WASHINGTON AND LEE UNIVERSITY, Lexington, Va. ; \$12,114
WASHINGTON STATE UNIVERSITY, Pullman ; \$32,007
WASHINGTON UNIVERSITY, St. Louis, Mo. ; \$58,412
WAYNE STATE UNIVERSITY, Detroit, Mich. ; \$34,429
WELLS COLLEGE, Aurora, N.Y. ; \$6,500
WELLESLEY COLLEGE, Wellesley, Mass. ; \$10,630
WESLEYAN UNIVERSITY, Middletown, Conn. ; \$18,712
WEST VIRGINIA UNIVERSITY, Morgantown ; \$21,899
WESTERN CAROLINA COLLEGE, Cullowhee, N.C. ; \$600
WESTERN ILLINOIS UNIVERSITY, Macomb ; \$4,300
WESTERN MICHIGAN UNIVERSITY, Kalamazoo ; \$11,023

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; \$43,410

WESTERN WASHINGTON STATE COLLEGE, Bellingham; \$10,000

WHEATON COLLEGE, Norton, Mass.; \$10,058

WHEELING COLLEGE, Wheeling, W. Va.; \$4,200

WHITMAN COLLEGE, Walla Walla, Wash.; \$566

WHITTIER COLLEGE, Whittier, Calif.; \$5,460

WHITWORTH COLLEGE, Spokane, Wash.; \$11,020

WILKES COLLEGE, Wilkes-Barre, Pa.; \$14,069

WILLAMETTE UNIVERSITY, Salem, Oreg.; \$11,175

WILLIAM JEWELL COLLEGE, Liberty, Mo.; \$1,440

WILMINGTON COLLEGE, Wilmington, Ohio; \$2,430

WILLIAM MARSH RICE UNIVERSITY, Houston, Tex.; \$28,615

WILLIAMS COLLEGE, Williamstown, Mass.; \$12,755

WILSON COLLEGE, Chambersburg, Pa.; \$10,300

WINONA STATE COLLEGE, Winona, Minn.; \$2,150

WITTENBERG UNIVERSITY, Springfield, Ohio; \$3,500

WOMAN'S MEDICAL COLLEGE OF PENNSYLVANIA, Philadelphia; \$14,810

WOODSTOCK COLLEGE, Woodstock, Md.; \$10,200

WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; \$12,135

XAVIER UNIVERSITY, Cincinnati, Ohio; \$2,800

YALE UNIVERSITY, New Haven, Conn.; \$75,000

YESHIVA UNIVERSITY, New York, N.Y.; \$47,180

INTERNATIONAL SCIENCE ACTIVITIES

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Hans Nussbaum; *Administration of Panels and Seminars in Assistance to the U.S.-Japan Committee on Scientific Cooperation*; 1 year; \$50,000

Dael Wolfe; *A Compilation of Arid Lands Research Report and U.S. Participation in the UNESCO Conference on Arid Lands in Latin America*; 18 months; \$18,650

AMERICAN FRIENDS OF THE MIDDLE EAST, INCORPORATED, Washington, D.C.; Virgil C. Crippin; *Travel of Foreign Participants in Summer Institutes, 1963*; 5 months; \$6,200

ASIA FOUNDATION, San Francisco, Calif.; Robert S. Schwantes; *Participation of Asian Educators in NSF Supplementary Training Programs, 1963*; 5 months; \$19,633

BERNICE P. BISHOP MUSEUM, Honolulu, Hawaii; J. L. Gressitt; *Systematic Studies of Pacific Area Insects*; 1 year; \$37,100

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; T. Keith Glennan; *Inter-American Seminar on Engineering Education*; 1 year; \$48,520

ENGINEERS JOINT COUNCIL, New York, N.Y.; Ralph Morgan; *U.S. Engineering Education Delegation to the UPADI Convention in Puerto Rico*; 3 years; \$2,000

MEDICAL COLLEGE OF VIRGINIA, Richmond; Herbert McKennis, Jr.; *Synthesis of Insulin and Other Proteins by the Pancreas in Vivo*; 4 months; \$7,240

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Harrison Brown; *Exchange of Scientists Between the National Academy of Sciences, U.S.A. and the Academy of Sciences, U.S.S.R.*; 1 year; \$260,100

Harrison Brown; *International Organizations and Programs Project*; 1 year; \$110,700

ORGANIZATION OF AMERICAN STATES, Washington, D.C.; Jesse D. Perkinson; *Cooperative Program for Inter-American Exchange of Scientists*; 2 years; \$66,400

STANFORD UNIVERSITY, Stanford, Calif.; Edward G. Bege; *School Mathematics Study Group (MSG)*; 13 months; \$37,640

Richard Doell, Allan Cox and Norman D. Watkins; *Paleomagnetic Studies of Selected Miocene-through-Recent and Historic Rocks of the Eastern Pacific Basin Area*; 3 years; \$70,000

U.S. DEPARTMENT OF AGRICULTURE, Washington, D.C.; John G. Atkins, Beaumont, Tex.; *The Establishment of a Uniform Set of Varieties of Rice for Differentiating Strains of Rice Blast Fungus*; 3 years; \$36,800

U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, Washington, D.C.; Andrew Griscom; *Combined Aeromagnetic-Gravity Studies of Calderas in Japan*; 18 months; \$82,700

Richard Doell, Allan Cox and Brent Dalrymple, Rock Magnetism Laboratory, Menlo Park, Calif.; *Paleomagnetic Studies of Selected Miocene-through-Recent and Historic Rocks of the Eastern Pacific Basin Area*; 3 years; \$120,000

Jerry P. Eaton; *Geophysical Studies of Pacific Volcanoes (Hawaii and Japan)*; 2 years; \$11,660

UNIVERSITY OF CALIFORNIA, Berkeley; John H. Reynolds; *Cooperative Program with the University of Sao Paulo, Brazil, in Research in Geochronology of South America*; 2 years; \$104,435

John Verhoogen; *Paleomagnetism of Cretaceous Intrusives*; 3 years; \$76,000

UNIVERSITY OF COLORADO, Boulder; Arnold B. Grobman; *Biological Sciences Curriculum Study Activities With The Superior Council of Central American Universities*; 13 months; \$30,590

UNIVERSITY OF HAWAII, Honolulu; Henry A. Bess and Toshiyuki Nishida; *Biological Control of the Asiatic Rice Stem Borer*; 2 years; \$72,100

Henry Birnbaum; *Administration of Meetings and Seminars Held in Assistance to the U.S.-Japan Committee on Scientific Cooperation*; 2 years; \$10,000

Maxwell S. Doty; *A study of the Botanical Research Resources and Facilities of Indonesia*; 9 months; \$9,935

UNIVERSITY OF PITTSBURGH, Pa.; Takeshi Nagata and A. F. Frederickson; *Natural Remanent Magnetism of Rocks in the Pacific Basin Area*; 2 years; \$58,000

UNIVERSITY OF WISCONSIN, Madison; R. G. Herb; *Experimental Nuclear Physics*; 3 years; \$90,000

VANDERBILT UNIVERSITY, Nashville, Tenn.; R. B. Channell; *Cytotaxonomic and Biochemical Studies of the Origin, Distribution and Relationships of Species of Trillium*; 2 years; \$37,100

WASHINGTON UNIVERSITY, St. Louis, Mo.; LeRoy Scharon; *Paleomagnetic Investigations of Miocene-to-Recent Rocks in Taiwan, South Korea or the Philippines*; 3 years; \$58,000

SCIENCE RESOURCES PLANNING

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; G. B. Kistiakowsky; *Special Studies of Research Needs—The Use of Electronic Computers for Purposes of Education and Research in Science*; 21 months; \$112,460

UNIVERSITY OF LUND, Sweden; Stevan Dedijer; *Social Engineering of Science*; 2 years; \$12,000

DISSEMINATION OF SCIENTIFIC INFORMATION

LIBRARY OF CONGRESS, Washington, D.C.; L. Quincy Mumford; *Support of Conference on Library Mechanization*; 1 year; \$28,360

UNIVERSITY OF MONTREAL, Quebec, Canada; Hans Selye; *Reconstruction and Improvement of Library and Filing Card System*; 2 years; \$30,000

DOCUMENTATION RESEARCH

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Hugh C. Wolfe and Pauline Atherton; *Documentation Research Project*; 1 year; \$94,185

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Malcolm Rigby; *Pilot Project to Further Explore Possibilities for Mechanization of Universal Decimal Classification (UDC) Schedules*; 6 months; \$17,250

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; William D. Garvey; *Coordinated Study of Information Exchange in Psychology*; 2 months; \$69,900

CAMBRIDGE LANGUAGE RESEARCH UNIT, Cambridge, England; Roger M. Needham; *New Techniques for Classification: The Theory of Clumps*; 1 year; \$20,500

DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa.; Richard A. Davis; *Research on Engineers' Use of Information Sources*; 1 year; \$48,600

ENGINEERS JOINT COUNCIL, New York, N.Y.; L. K. Wheelock; *Study of Engineering Terminology and Relationships Among Engineering Terms*; 1 year; \$4,148

HARVARD UNIVERSITY, Cambridge, Mass.; Gerard Salton; *Research on and Evaluation of Some Models for Automatic Document Retrieval Systems*; 1 year; \$36,149

Anthony G. Oettinger; *Automatic Translation and Mathematical Linguistics*; 16 months; \$235,450

LEHIGH UNIVERSITY, Bethlehem, Pa.; Donald J. Hillman; *Mathematical Theories of Relevance with Respect to the Problems of Indexing*; 2 years; \$16,200

Francis J. Wuest; *Studies in the Methodology of Measuring Information Requirements and Use Patterns*; 2 years; \$34,100

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; William N. Locke and Myer M. Kessler, Lexington; *Technical Information System: Phase Two*; 1 year; \$74,746

OHIO STATE UNIVERSITY RESEARCH FOUNDATION, Columbus; William S-Y. Wang; *Research on Synactic Analysis*; 30 months; \$100,000

SYSTEM DEVELOPMENT CORPORATION, Santa Monica, Calif.; Harold Borko; *Steps Toward the Establishment of Computer-Derived Classification System for Scientific Documentation*; 1 year; \$24,048

U.S. DEPARTMENT OF COMMERCE, NATIONAL BUREAU OF STANDARDS, Washington, D.C.; Samuel N. Alexander; *Research Information Center and Advisory Service on Information Processing*; 1 year; \$95,000

Russell A. Kirsch; *Research on Picture and Language Processing*; 1 year; \$75,000

U.S. DEPARTMENT OF COMMERCE, PATENT OFFICE, Washington, D.C.; Harold Pfeffer; *Foreign Research Associates Program*; 1 year; \$53,250

U.S. DEPARTMENT OF COMMERCE, OFFICE OF TECHNICAL SERVICES, Washington, D.C.; John C. Green; *Service to Assure Availability of Publications Listed in Current Research and Development in Scientific Documentation*; 1 year; \$11,000

UNIVERSITY OF CALIFORNIA, Berkeley; Sydney M. Lamb; *Research on Machine Translation and Related Information Systems*; 18 months; \$249,000

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Zellig S. Harris; *Analysis of Chemical Notations*; 2 years; \$141,800

UNIVERSITY OF TEXAS, Austin; Winfred P. Lehmann; *Development of a Linguistic Computer System*; 1 year; \$200,000

WAYNE STATE UNIVERSITY, Detroit, Mich.; Harry H. Josselson; *Comprehensive Electronic Data Processing of Two Russian Lectures*; 2 years; \$200,000

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Jessica S. Melton; *Automatic Processing of Metallurgical Abstracts for the Purpose of Information Retrieval*; 1 year; \$59,900

FOREIGN SCIENCE INFORMATION

ACTA METALLURGICA, Schenectady, N.Y.; Walter R. Hibbard, Jr.; *Translation and Publication of the 1962 Issues of Four Russian Journals*; Metallurg; MiTom; Ogneupory; and Physics of Metals and Metallography; 1 year; \$49,071

AMERICAN GEOGRAPHICAL SOCIETY, New York, N.Y.; Charles B. Hitchcock; *Translation and Publication of Soviet Geography*; Review and Translation for Calendar Year 1963; 1 year; \$23,980

AMERICAN GEOLOGICAL INSTITUTE, Washington, D.C.; Robert C. Stephenson; *Publication of*, (A) Vol. V, 1963, *International Geology Review*; (B) *Translation of 3 Russian Journals, Izvestiya-Geology Series, Soviet Geology, and Paleontological Journal, for Publication of Selected Articles in IGR, Including Selective Translations and Abstracts from Geological Materials of Other Foreign Languages; and (C) Translations Screening and Information Services*; 1 year; \$115,685

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; Waldo E. Smith; *Translation and Publication of Russian Works in Oceanography*; The Oceanology Sections of Doklady and the Trudy of the Marine Hydrophysical Institute; 2 years; \$32,000

Waldo E. Smith; *Translation and Publication of the 1963 Issues of Izvestiya, Geophysics Series*; 1 year; \$49,000

Waldo E. Smith; *Translation and Publication of Vol. 2, Nos. 4-6, 1962, and Vol. 3, Nos. 1-6, 1963, of the Journal, Geomagnetism and Aeronomy, USSR*; 18 months; \$34,830

Waldo E. Smith; *Translation and Publication of Soviet Hydrology: Selected Papers*; 15 months; \$19,235

Waldo E. Smith; *Translation and Publication of the 1963 Issues of the Russian Journal, Geodesy and Aerophotography*; 1 year; \$23,870

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES; Washington, D.C.; John R. Olive; *Dissemination of the English Version of the Japanese Journal of Plant and Cell Physiology in the United States*; 1 year; \$6,266

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, New York, N.Y.; F. J. Van Antwerpen; *Translation and Publication of the International Chemical Engineering Journal*; 1 year; \$41,620

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS, New York, N.Y.; N. S. Hibshman; *Translation and Publication of the 1962 Issues of Three Russian Journals: Radio Engineering, Radio Engineering and Electronic Physics and Telecommunications*; 1 year; \$128,577

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *Establishment of an Information Center of International Physics Activities*; 1 year; \$29,440

Wallace Waterfall; *Translation and Publication of the 1962 Issues of Eight Russian Journals: Acoustics; Astronomy; Technical Physics: Solid State Physics; JETP; Uspekhi; Crystallography; and Doklady, Physics Sections*; 1 year; \$139,200

Wallace Waterfall; *Translation and Publication of the 1963 Issues of the Same Eight Russian Journals*; 1 year; \$129,500

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *Provide Russian and Related Mathematical Literature for Abstracting and Research Libraries*; 1 year; \$35,031

Gordon L. Walker; *Translation and Publication of Volume III, 1962 Issues, of the Russian Journal, Soviet Mathematics—Doklady*; 18 months; \$47,651

Gordon L. Walker; *Program for Selected Translations of Mathematical Research Articles from the Russian and Other Languages*; 1 year; \$68,724

Gordon L. Walker; *Translation of Six Russian Mathematical Books*; 1 year; \$34,067

Gordon L. Walker; *Translation and Publication of the 1962 Issues of the Journal, Chinese Mathematics—Acta*; 1 year; \$23,287

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Kenneth C. Spengler; *Translation and Publication of the Russian Book, Investigation of Clouds, Precipitation and Thunderstorm Electricity*; 6 months; \$12,213

AMERICAN ROCKET SOCIETY, New York, N.Y.; James J. Harford; *Selected Translations of Russian Material in the Field of Astronautics*; 1 year; \$75,090

AMERICAN SOCIETY OF MECHANICAL ENGINEERS, New York, N.Y.; Joseph Sansone; *Publication in English of Vols. 15 and 16, Russian Serial, Friction and Wear in Machinery*; 1 year; \$12,554

BERNICE P. BISHOP MUSEUM, Honolulu, Hawaii; Edwin H. Bryan, Jr.; *Operation of the Pacific Science Information Center*; 1 year; \$15,738

Ronald W. Force; *Partial Support of the Permanent Secretariat of the Pacific Science Association*; 5 years; \$15,000

COLUMBIA UNIVERSITY, New York, N.Y.; Charles H. Behre; *Review and Translation of Articles Published in Russian, Geology of Ore Deposits*; 3 years; \$2,415

COLUMBIA UNIVERSITY PRESS, New York, N.Y.; Robert J. Tilley; *Publication of Two Studies: Science in Czechoslovakia, and Science in East Germany*; 1 year; \$6,804

GEOCHEMICAL SOCIETY, Austin, Tex.; David B. Stewart; *Translation and Publication of the 1962 Issues of the Russian Journal, Geokhimiya*; 1 year; \$27,078

INDIANA UNIVERSITY FOUNDATION, Bloomington; Thomas A. Sebeok; *Preparation and Publication of a Volume on Current Trends in Far Eastern Linguistics*; 2 years; \$17,825

INTERNATIONAL UNION OF SCIENTIFIC PSYCHOLOGY, New York, N.Y.; Roger W. Russell, Indiana University, Bloomington; *Preparation and Publication of a Second Edition of the International Directory of Psychologists*; 1 year; \$27,007

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC., New York, N.Y.; N. S. Hibshman; *Translation and Publication of the 1963 Issues of Two Japanese Journals: Proceedings of Electrical Engineers of Japan and Proceedings of Electrical Communications Engineers of Japan*; 1 year; \$94,435

INSTRUMENT SOCIETY OF AMERICA, Pittsburgh, Pa.; William H. Kushnick; *Translation and Publication of the 1963 Issues of Four Russian Journals: Automation and Remote Control; Industrial Laboratory; Instruments and Experimental Techniques; and Measurement Techniques*; 1 year; \$56,701

JAPAN DOCUMENTATION SOCIETY, Tokyo; Haruo Ootuka; *Revision and Updating of the Kerr Report, Science Information Services in Japan*; 3 months; \$600

JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE, Tokyo; Torajiro Takagaki; *Translation and Publication of a Directory of Research Institutions in Japan Natural and Applied Sciences*; 1 year; \$6,880

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; Robert H. Roy; *An Operations Research and Systems Engineering Study of a University Library*; 9 months; \$15,833

LIBRARY OF CONGRESS, Washington, D.C.; Charles M. Gottschalk; *Preparation and Publication of a Census of World-Wide Scientific Serials*; 1 year; \$20,988

Robert H. Land; *Preparation and Publication of a Guide to Library Information, and Documentation Services of International Organizations in Science, Technology, Agriculture, and Medicine*; 1 year; \$10,000

Robert H. Land; *Publication of Part I of a Monthly World List of Future International Meetings*; \$6,997

John Sherrod; *Preparation and Publication of an Analytical Survey and Bibliography of Directories in the Sciences Throughout the World*; \$840

Rudolph Smits; *Publication of the Monthly Index of Russian Accessions*; 2 months; \$30,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; William N. Locke; *Acquisition and Compilation of a Current Union List of Communist Chinese Serials*; 1 year; \$21,070

William N. Locke; *Acquisitions and Servicing of Current Communist Chinese Serials*; 1 year; \$23,425

W. N. Locke; *Study Into the Dissemination of Scientific and Technical Information in the U.S.S.R.*, 1 year; \$23,958

MIDWEST INTER-LIBRARY CENTER, Chicago, Ill.; Gordon R. Williams; *Partial Support of Operation of the Scientific Journals Center*; 1 year; \$36,540

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Karl F. Heumann; *Office of Documentation*; 1 year; \$114,380

C. W. de Kiewiet; *Study of Science Research and Information Services in East Africa*; 1 year; \$12,480

NATIONAL DIET LIBRARY OF JAPAN, Tokyo, Haruki Amatsuchi; *Publication and Distribution of the Directory of Japanese Learned Periodicals, 1962—Natural and Medical Sciences*; 1 year; \$1,223

Takao Suzuki; *Compilation and Printing of the English Version of the Japanese Periodicals Index, Natural Science Section*; 1 year; \$21,060

NEW YORK PUBLIC LIBRARY, New York; Robert E. Kingery; *Development of U.S. Standards in Library Work and Documentation*; 1 year; \$8,470

OPTICAL SOCIETY OF AMERICA, Washington, D.C.; Mary E. Wurga; *Translation and Publication of the Cumulative Index Volumes I-X (1956-61) for the Russian Journal, Optika i Spektroskopiya*; 1 year; \$4,000

PRINCETON UNIVERSITY, Princeton, N.J.; John Turkevich; *Preparation of a Guide to Soviet Sciences*; 1 year; \$23,403

SPECIAL LIBRARIES ASSOCIATION, New York, N.Y.; Rldko D. Nowak; *Collateral Support of the Operation of the Translations Center*; 1 year; \$45,678

SYRACUSE UNIVERSITY RESEARCH INSTITUTE, Syracuse, N.Y.; Warren B. Walsh; *User Study of Translated Soviet Scientific Journals*; 3 years; \$16,462

UNION OF INTERNATIONAL ASSOCIATIONS, Brussels, Belgium; G. P. Speeckaert; *Compilation and Publication of (1) A Monthly Current List and (2) An Annual Bibliography of International Conference Proceedings*; 1 year; \$13,225

U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS, Washington, D.C.; Frederick A. Leedy; *Preparation and Publication of a Bibliographical Survey on Social Science Literature Published in Communist Bloc and Other Difficult Languages*; 1 year; \$55,300

U.S. DEPARTMENT OF COMMERCE, OFFICE OF TECHNICAL SERVICES, Washington, D.C.; John C. Green; *Operational Phase of the P.L. 480 Translation Program*; 1 year; \$31,235

U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU, Washington, D.C.; F. W. Reichelderfer; *Editorial and Abstracting Service for AGU's Project of Translating Soviet Hydrology Literature for 1963*; 15 months; \$6,100

UNIVERSITY OF NOTRE DAME, Ind.; A. L. Gabriel; *Microfilming of Scientific Manuscripts from the Ambrosiana Library in Milan, Italy*; 1 year; \$65,000

YALE UNIVERSITY, New Haven, Conn.; E. J. Boell; *Purchase of a Collection of Scientific Papers, the Harrison Reprint Collection*; 1 year; \$7,500

RESEARCH DATA AND INFORMATION SERVICES

AMERICAN LIBRARY ASSOCIATION, Chicago, Ill.; Joel Williams; *Preparation of a Report on the Development of an Operating Program of Library Statistics*; 1 year; \$5,000

AMERICAN SCIENCE FILM ASSOCIATION, Detroit, Mich.; Randall M. Whaley; *Central Office for the American Science Film Association*; 18 months; \$47,300

AMERICAN SOCIETY FOR METALS, Metals Park, Ohio; Robert D. Freeman; *Cooperative Support of the Information Searching Service of the American Society for Metals*; 1 year; \$142,000

CARNEGIE LIBRARY OF PITTSBURGH, Pa.; Ralph Munn; *Establishment and Operation of a Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$100

Daniel R. Pfouts; *Continued Operation of a Regional Technical Report Center*; 1 year; \$14,821

COLUMBIA UNIVERSITY, New York, N.Y.; Richard H. Logsdon; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$17,528

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; J. Henley Crosland; *Establishment and Operation of a Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$21,494

J. Henley Crosland; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$13,882

JOHN CRERAR LIBRARY, Chicago, Ill.; Herman H. Henkle; *Establishment and Operation of a Regional Reference Center for Un-*

classified U.S. Government Scientific and Technical Reports; 14 months; \$175

Herman H. Henkle; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$10,672

LIBRARY OF CONGRESS, Washington, D.C.; L. Quincy Mumford; *National Referral Center for Science and Technology*; 15 months; \$261,080

LINDA HALL LIBRARY, Kansas City, Mo.; Joseph C. Shipman; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$6,150

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; William N. Locke; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$17,278

SMITHSONIAN INSTITUTION, Washington, D.C.; Monroe E. Freeman; *Partial Support for the Annual Operating Expenses of the Science Information Exchange*; 1 year; \$225,000

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Robert M. Trent; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$15,128

TUFTS UNIVERSITY, Medford, Mass.; Paul Ronco; *Behavioral Analysis of Technical Writing*; 1 year; \$25,711

UNIVERSITY OF CALIFORNIA, Berkeley; Donald Coney; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$13,260

Robert Voepel, Los Angeles; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$18,825

UNIVERSITY OF COLORADO, Boulder; Ralph E. Ellsworth; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$13,139

UNIVERSITY OF ILLINOIS, Urbana; Don S. Culbertson; *Programming, Testing, and Evaluation of a Computerized and Integrated Data Processing System for University Library Procedures*; 1 year; \$45,033

UNIVERSITY OF WASHINGTON, Seattle; Marion A. Milckewski; *Regional Reference Center for Unclassified U.S. Government Scientific and Technical Reports*; 1 year; \$14,803

U.S. DEPARTMENT OF COMMERCE, OFFICE OF TECHNICAL SERVICES, Washington, D.C.; John C. Green; *An Analysis of the Needs of the Textile Industry for Technical Information*; 6 months; \$44,000

John C. Green; *Keywords Index to U.S. Government Technical Reports*; 1 year; \$97,400

John Weber; *Twelve Regional Reference Centers for Unclassified U.S. Government Scientific and Technical Reports*; 2 years; \$58,200

WEST VIRGINIA UNIVERSITY, Morgantown; Michael M. Reynolds; *Investigation of the Potential Use of the Resources of a Large Academic Library by the Smaller Academic Libraries and the Libraries of Industrial Organizations Within the Distinct Region*; 1 year; \$5,290

SUPPORT OF SCIENTIFIC PUBLICATIONS

ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA, Philadelphia, Pa.; Horace G. Richards and Rhodes W. Fairbridge, Columbia University, New York, N.Y.; *Support for Preparation and Publication of an Annotated Bibliography on Quaternary Shorelines*; 2 years; \$17,500

ACTA METALLURGICA, Schenectady, N.Y.; Bruce Chalmers; *Study of the Optimum Method of Publication of the Translations of the Russian Journal of Abstracts-Metallurgy*; 3 months; \$3,700

AMERICAN ANTHROPOLOGICAL ASSOCIATION, Washington, D.C.; Edward H. Spicer; *A Study of Publishing Needs in the Field of Anthropology*; 1 year; \$5,500

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; B. G. Sherburne, Jr.; *Partial Support of a Project to Develop the Use of Broadcast Television for Communication Among Scientists and Engineers*; 1 year; \$60,800

AMERICAN ASTRONOMICAL SOCIETY, Princeton, N.J.; Margaret Harwood; *Continued Support for the Preparation of the U.S. Portion of the International Astronomical Union Bibliography for 1881-1898*; 2 years; \$37,000

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Joseph H. Kunej; *Analysis of the Role of the Computer in Scientific Publication*; 2 years; \$171,000

AMERICAN CRYSTALLOGRAPHIC ASSOCIATION, Tarrytown, N.Y.; J. D. H. Donnay; *Publication of the Second Edition of Crystal Data*; 1 year; \$12,650

AMERICAN GENETIC ASSOCIATION, Washington, D.C.; Samuel L. Emsweller; *Partial Support for the Journal of Heredity*; 1 year; \$10,810

AMERICAN GEOGRAPHICAL SOCIETY, New York, N.Y.; Herman K. Friis; *Support for the Publication of A History of Scientific Geographical Exploration of the Pacific Basin*; 1 year; \$17,290

AMERICAN GEOLOGICAL INSTITUTE, Washington, D.C.; Robert C. Stephenson; *Continued Support for the Publication of GeoScience Abstracts*; 2 years; \$71,500

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; Thomas F. Malone; *Partial Support of the Establishment of Reviews of Geophysics*; 3 years; \$36,730

Waldo E. Smith; *Support for Preparation and Publication of a Report on U.S. Geophysics for the 13th General Assembly of the International Union of Geodesy and Geophysics*; 1 year; \$11,615

Waldo E. Smith; *Publication of a Series Antarctic Monographs*; 5 years; \$57,800

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Frank Fremont-Smith; *Publication Support of the Proceedings of the Second Conference on Brain and Behavior*; 1 year; \$16,990

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *Support for the Establishment of Applied Physics Letters*; 2 years; \$61,885

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *Continued Support for the Operation and Expansion of Mathematical Reviews*; 18 months; \$36,000

Gordon L. Walker; *Support for a Study of Ways to Develop Additional Means of Support for Mathematical Publications*; 18 months; \$7,200

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Malcolm Rigby; *Continuation of Compilation and Publication of Bibliography on Weather Modification and Cloud Physics*; 3 years; \$71,000

Malcolm Rigby, Washington, D.C.; *Study of the Universal Decimal Classification System for the Mechanical Indexing, Exchange, Publication or Retrieval of Titles of Scientific Articles*; 2 years; \$146,000

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; James A. Oliver; *Publication Support for the Miocene Faunas from Wounded Knee, South Dakota*; 1 year; \$2,355

AMERICAN ROCKET SOCIETY, New York, N.Y.; Irwin Hersey; *Partial Publication Support for the American Rocket Society Journal*; 18 months; \$52,000

AMERICAN SOCIETY OF LUBRICATION ENGINEERS, Chicago, Ill.; Donald B. Sanberg; *Temporary Support for the Journal, ASLE Transactions*; 1 year; \$8,740

ANNUAL REVIEWS, INCORPORATED, Stanford, Calif.; Windsor Cutting; *Partial Support for the Annual Review of Phytopathology*; 3 years; \$15,000

ARCTIC INSTITUTE OF NORTH AMERICA, Washington, D.C.; Francis Harper; *Support to Publish Four Papers on Biological Investigations in the Keewatin District and the Ungava Peninsula*; 1 year; \$4,200

ASSOCIATION FOR APPLIED SOLAR ENERGY, Tempe, Ariz.; Harold Walmesley; *Continued Support for the Journal Solar Energy*; 3 years; \$16,500

BERNICE P. BISHOP MUSEUM, Honolulu, Hawaii; Roland W. Force; *Partial Publication Support for Insects of Micronesia*; 1 year; \$11,140

BIOGEOGRAPHICAL SOCIETY OF JAPAN, Tokyo; Yaichiro Okada; *Partial Publication Support of Volumes IV (Rajidae) and V (Tabanidae) of Fauna Japonica*; 1 year; \$4,624

BIOLOGICAL ABSTRACTS, INCORPORATED, Philadelphia, Pa.; G. Miles Conrad; *Continued Support of Biological Abstracts*; 1 year; \$210,000

G. Miles Conrad; *Experiment in Pre-packaging of Biological Research Information*; 3 years; \$45,700

BOARD OF GOVERNORS FOR AN INTERNATIONAL JOURNAL OF THE SCIENCE OF METALS, INC. Schenectady, N.Y.; Walter R. Hibbard, Jr.; *Translation and Publication of the 1963 Issues of the Journal of Abstracts-Metallurgy, Parts A and B*; 1 year; \$59,000

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC., Yonkers, N.Y.; Lela V. Barton; *Support for the Publication of the Bibliography of Seeds*; 18 months; \$20,000

BROWN UNIVERSITY, Providence, R.I.; O. E. Neugebauer and Richard A. Parker; *Publication Support for Egyptian Astronomical Texts: The Ramesside Star Clocks*; 1 year; \$9,100

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Russell Ackoff; *Operations Research Study of Publication Costs of Scientific Journals*; 6 months; \$500

CENTRAL INSTITUTE FOR THE DEAF, St. Louis, Mo.; Hallowell Davis; *Publication of an English Translation of a Russian Monograph, Corti's Organ*; 1 year; \$6,570

CHEMICAL ABSTRACTS SERVICE, Columbus, Ohio; G. Malcolm Dyson; *Development and Initiation of a Mechanized File of Chemical Information*; 1 year; \$219,000

CHICAGO NATURAL HISTORY MUSEUM, Chicago, Ill.; E. Leland Webber; *Support for Illustrations for a Monograph, The Giant Panda*; 1 year; \$6,000

CORNELL UNIVERSITY, Ithaca, N.Y.; Martha Stahr Carpenter; *Support for Preparation and Publication of Bibliography of Natural Radio Emission from Astronomical Sources*; 27 months; \$68,000

DUQUESNE UNIVERSITY, Pittsburgh, Pa.; Henry J. Koren; *Partial Publication Support for the English Translation of The Field of Consciousness by Aron Gurwitsch*; 1 year; \$9,840

ENGINEERING INDEX, INC., New York, N.Y.; Carolyn Flanagan; *Continued Expansion of Engineering Index*; 1 year; \$178,000

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, Washington, D.C.; Milton O. Lee; *Support for Publication of Abstracts and Proceedings of the International Symposium on Temperature Acclimation*; 1 year; \$10,070

FORT BURGWIN RESEARCH CENTER, Taos, N. Mex.; James J. Hester; *Publication of the Proceedings of the Fort Burgwin Conference on Paleocology*; 6 months; \$2,320

THE GLACIOLOGICAL SOCIETY, Cambridge, England; Hilda Richardson; *Partial Support of the Journal of Glaciology*; 1 year; \$5,700

HARVARD UNIVERSITY, Cambridge, Mass.; Rolla M. Tryon; *Partial Support for Publication of The Fern Flora of Peru*; 1 year; \$2,911

H. B. Whittington; *Partial Publication Support for the Proceedings of the Conference on Crustacea*; 1 year; \$4,600

HUMAN RELATIONS AREA FILES, New Haven, Conn.; Frank M. LeBar; *Publication of an Outline and Atlas, Ethnic Groups of Mainland Southeast Asia*; 4 months; \$12,500

INDIANA UNIVERSITY FOUNDATION, Bloomington; Thomas Sebeok; *Partial Support of Publication of Peoples of Central Asia*; 1 year; \$1,500

Denis Sinor; *Partial Support for Publication of Aspects of Altaic Civilization*; 1 year; \$1,610

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, Paris, France; G. A. Boutry; *Continued Partial Support of the ICSU Abstracting Board*; 1 year; \$9,000

MACALESTER COLLEGE, St. Paul, Minn.; Waldo S. Glock; *Preparation of an Annotated Bibliography on Tree Growth and Climate (1950-1962)*; 6 months; \$1,700

MINERALOGICAL SOCIETY OF AMERICA, San Francisco, Calif.; Ian Campbell and Marjorie Hooker, Washington, D.C.; *Publication of the Proceedings of the Third General Meeting of the International Mineralogical Association*; 1 year; \$11,000

NATIONAL FEDERATION OF SCIENCE ABSTRACTING AND INDEXING SERVICES, Washington, D.C.; Raymond A. Jensen; *Partial Support of the Federation Secretariat for Fiscal Year 1963*; 1 year; \$59,000

Raymond Jensen; *Publication of Bibliography of the World's Significant A&I Services of Scientific Interest*; 1 year; \$15,500

NEW YORK BOTANICAL GARDEN, N.Y.; Rupert C. Barneby; *Support of Publication of an Atlas of North American Astragalus*; 1 year; \$31,600

Howard S. Irwin, Jr.; *Publication of the Monograph, Cassia*; 1 year; \$3,700

OPERATIONS RESEARCH SOCIETY OF AMERICA, Cambridge, Mass.; James H. Batchelor; *Preparation of an Annotated Bibliography Operations Research, 1958-1960*; 1 year; \$10,000

PALAEONTOLOGICAL RESEARCH INSTITUTE, Ithaca, N.Y.; Katherine V. W. Palmer; *Partial Support for Publication of Eocene and Miocene Foraminifera from Two Localities in Duplin County, North Carolina*; 1 year; \$775

PENNSYLVANIA STATE UNIVERSITY, University Park; C. R. Carpenter; *Partial Publication Support of Naturalistic Behavior of Non-Human Primates*; 1 year; \$9,660

SEISMOLOGICAL SOCIETY OF AMERICA, San Francisco, Calif.; William M. Adams; *Study and Evaluation of Indexing Techniques in the Preparation and Publication of a Fifty-Two Year Cumulative Index to the Bulletin*; 1 year; \$19,000

SMITHSONIAN INSTITUTION, Washington, D.C.; Paul E. Oehser; *Support of Publication of an English Translation of Flora of Japan by Jisaburo Ohwi*; 1 year; \$40,200

SOCIOLOGICAL ABSTRACTS, INC., New York, N.Y.; Leo P. Chall; *Continued Expansion of Sociological Abstracts*; 2 years; \$96,200

Leo P. Chall; *Continued Support of Sociological Abstracts*; 6 months; \$30,000

STANFORD UNIVERSITY, Stanford, Calif.; Richard C. Atkinson; *Partial Support for the Publication of Studies in Mathematical Psychology*; 3 years; \$10,350

Leon E. Seltzer; *Publication Support for Vegetation and Flora of the Sonoran Desert*; 1 year; \$13,225

Leon E. Seltzer; *Publication Support for Manual of the Vascular Plants of Alaska and Neighboring Territory*; 18 months; \$19,378

Bernard J. Siegel; *Partial Publication Support for Biennial Review of Anthropology*; 5 years; \$13,500

UNIVERSITY OF CALIFORNIA, Berkeley; Charles L. Camp; *Compilation of Volume VII of the World Bibliography of Fossil Vertebrates and Paleolithic Anthropology*; 23 months; \$22,500

Hamilton M. Jeffers, Mt. Hamilton; *Publication of an Index Catalogue of Double Stars*; 1 year; \$8,500

E. Brinton, San Diego; *Support for Publication of the Scientific Results of the NAGA Expedition to the Gulf of Thailand and South-China Sea, 1959-61*; 2 years; \$22,000

UNIVERSITY OF CONNECTICUT, Storrs; James A. Slater; *Completion and Publication of a World Catalogue of the Family Lygaeidae*; 15 months; \$33,478

UNIVERSITY OF HAWAII, Honolulu; Thomas Austin; *Publication of an Atlas of Charts for EQUAPAC*; 1 year; \$6,960

Thomas Nickerson; *Publication of Volumes XI and XII of Insects of Hawaii*; 2 years; \$23,875

UNIVERSITY OF LOUISVILLE, Ky.; Steven G. Vandenberg; *Continued Publications Support for Computers in Behavioral Science*; 3 years; \$12,100

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; David A. Young; *Continuation of Support for the Publication of The Catalogue of the Homoptera Auchenorrhyncha of the World*; 2 years; \$49,250

UNIVERSITY OF NOTRE DAME, Ind.; Ernan McMullin; *Partial Publication Support for The Concept of Matter*; 1 year; \$4,000

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Ida K. Langman; *Support of Publication of A Selected Guide to the Literature on the Flowering Plants of Mexico*; 1 year; \$30,100
Hui-Lin Li; *Support for the Publication of the Monograph The Woody Flora of Taiwan*; 1 year; \$11,025

Frank B. Wood; *Support for the Completion and Publication of a Fourth Edition of A Finding List for Observers of Eclipsing Variables*; 6 months; \$800

UNIVERSITY OF PITTSBURGH, Pa.; A. F. Frederickson; *Publication of the Proceedings of the Benedum Symposium on Earth Magnetism*; 1 year; \$2,000

UNIVERSITY OF TEXAS, Austin; F. H. Wardlaw; *Partial Editorial Support for the Preparation of the Publication, The Bird Life of Texas*; 2 years; \$23,036

UNIVERSITY OF WISCONSIN, Madison; George P. Wollard; *Support for the Publication of a Bilingual Report of Gravity Standardization Measurements in Central and South America*; 1 year; \$7,570

WILSON, DOUGLAS F., Belle Glade, Fla.; *Publication in the Journal Brittonia, of A Taxonomic Revision of the Genus Sitanon*; 6 months; \$200

YAMAGUCHI UNIVERSITY, Tyosu, Simonoseki, Japan; Jozo J. Murayama; *Publication Support for the Fifth Volume (Hyletinae) of Scolytidae of the Northern Half of the Far East*; 1 year; \$575

CONFERENCES

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; William C. Ackermann; *Conferences to Advance the Science of Hydrology*; 1 year; \$10,200

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *Conference on Fluid Dynamics in Geophysics*; 1 year; \$11,000

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *A Symposium on the Theory of Numbers*; 1 year; \$15,100

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Kenneth C. Spengler; *Third Conference on Hurricanes and Tropical Meteorology*; 1 year; \$2,400

AMERICAN SOCIETY OF ANIMAL SCIENCE, UNIVERSITY OF CALIFORNIA, Davis; H. H. Cole; *Animal Reproduction Symposium*; 1 year; \$2,700

- AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS, Honolulu, Hawaii; Carl L. Hubbs, Scripps Institution of Oceanography, University of California, La Jolla; *Semi-centennial Meeting of the American Society of Ichthyologists and Herpetologists*; 6 months; \$10,000
- AMERICAN SOCIETY OF ZOOLOGISTS, New York, N.Y.; Berta Scharrer; *Regional Conferences in Comparative Endocrinology*; 6 months; \$6,900
Edgar Zwilling, Brandeis University, Waltham, Mass.; *Heterosynthetic and Autosynthetic Molecules in Developmental Processes*; 1 year; \$3,600
- AMERICAN SOCIETY FOR MICROBIOLOGY, Detroit, Mich.; J. L. Stokes; *Symposium on Growth*; 6 months; \$2,000.
- ASSOCIATION FOR SYMBOLIC LOGIC, Berkeley, Calif.; Leon Henkin; *International Symposium on The Theory of Models*; 1 year; \$40,000
- BROWN UNIVERSITY, Providence, R.I.; H. Kolsky; *A Symposium on Stress Waves in Anelastic Solids*; 1 year, \$19,000
R. S. Rivlin; *Fourth International Congress on Rheology*; 18 months; \$18,000
- CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; James Bonner and Paul O. P. Ts'o; *International Conference on Histone Biology*; 1 year; \$9,000
- CANADIAN MATHEMATICAL CONGRESS, Montreal, Canada; Leland F. S. Ritcey; *Biennial Seminar and Congress*; 6 months; \$3,000
- CARNEGIE INSTITUTION OF WASHINGTON, Washington, D.C.; James D. Ebert, Johns Hopkins University; *Organization of an International Conference on Organogenesis*; 2 years; \$4,800
- CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Milton C. Shaw; *International Conference on Production Engineering Research*; 18 months; \$12,000
- COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Tyler A. Woolley; *First International Conference in Acarology*; 1 year; \$12,500
- ELECTROCHEMICAL SOCIETY, INC., New York, N.Y.; Robert K. Shannon; *Electrochemical Effects on the Mechanical Properties of Metals*; 1 year; \$1,162
- GENETICS SOCIETY OF AMERICA, Pasadena, Calif.; Francis J. Ryan; *The Eleventh International Congress of Genetics*; 18 months; \$2,900
- GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; M. W. Long; *Engineering for Major Scientific Programs*; 6 months; \$3,000
- GORDON RESEARCH CONFERENCES, INC., Kingston, R.I.; W. George Parks; *Gordon Conference on Nucleic Acids*; 1 year; \$4,000
W. George Parks; *Gordon Research Conference on Cell Structure and Metabolism*; 6 months; \$3,000
W. George Parks; *Gordon Research Conference on Proteins*; 1 year; \$5,000
W. George Parks; *1963 Gordon Research Conference on Photoneuclear Reactions*; 1 year; \$6,000
- INSTITUTE OF MATHEMATICAL STATISTICS, Stanford, Calif.; Gerald J. Lieberman; *Inference in Stochastic Processes*; 1 year; \$33,700
- LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Spring Harbor, N.Y.; H. Edwin Umbarger; *Morphogenesis of Macromolecules*; 1 year; \$8,500
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; Bernard T. Feld; *Conference on Photon Interactions in the BeV-Energy Range*; 1 year; \$7,000
S. E. Luria and P. W. Robbins; *Genetic Control and Chemical Structure of the Macromolecular Components of the Cellular Surface*; 2 years; \$20,000
- MEDICAL LIBRARY ASSOCIATION, INC., Washington, D.C.; Frank B. Rogers; *Second International Congress of Medical Librarianship*; 11 months; \$16,200
- METALLURGICAL SOCIETY OF AIME, New York, N.Y.; Karl L. Fetters; *Deformation Twinning*; 6 months; \$1,900
Karl L. Fetters; *Unit Processes in Hydrometallurgy*; 1 year; \$2,700
- MICROCIRCULATORY CONFERENCE, INC., Boston, Mass.; Herbert J. Berman; *Microcirculatory Conference*; 6 months; \$6,000
- MISSOURI BOTANICAL GARDEN, St. Louis; Robert L. Dressler; *A Symposium on Systematics; Pollination Relationships and Systematics*; 6 months; \$2,950
- NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Frank L. Campbell; *XVth International Congress of Zoology*; 2 years; \$45,000
Frank L. Campbell; *Symposium on Molecular Mechanisms in Photobiology*; 1 year; \$15,000
Frank L. Campbell; *Symposium on Photosynthesis*; 1 year; \$30,000
Robert M. Dillon; *First American Conference on Frozen Ground*; 1 year; \$11,000
Linn Hoover; *International Conference on Saline Deposits*; 1 year; \$22,000
G. D. Meld and Waldo E. Smith; *XIIIth General Assembly of the International Union of Geodesy and Geophysics*; 30 months; \$150,000
Richard C. Vetter; *Oceanic Biogeochemistry Symposium*; 4 months; \$8,600
- NATIONAL ASSOCIATION OF CORROSION ENGINEERS, Houston, Tex.; Edward C. Greco; *Second International Congress on Metallic Corrosion*; 1 year; \$2,700
- NEW YORK ACADEMY OF SCIENCE, N.Y.; Josef Brozek, Lehigh University, Bethlehem, Pa.; *Conference on Body Composition*; 1 year; \$2,500
Thomas C. Cheng, Lafayette College, Easton, Pa.; *Some Biochemical and Immunological Aspects of Host-Parasite Relationships*; 6 months; \$6,800
- OHIO WESLEYAN UNIVERSITY, Delaware; Elwood B. Shirling; *Prospects for Experimental Control of Human Evolution*; 6 months; \$4,600
William F. Prokasy; *Symposium on Developments in Classical Conditioning*; 1 year; \$5,400
- PENNSYLVANIA STATE UNIVERSITY, University Park; Robert H. Essenhigh; *Dust Explosions*; 6 months; \$1,150
- THE RAND CORPORATION, Santa Monica, Calif.; Richard Bellman; *Conference in Modern Control Theory*; 9 months; \$42,950
W. R. Judd; *State of Stress in the Earth's Crust*; 6 months; \$13,600

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Werner Braun; *Symposium on Bacterial Endotoxins*; 1 year; \$15,800
 Theodore C. Hines and Paul S. Dunkin; *Seminars on Systems for the Organization of Information*; 1 year; \$23,550

ST. LOUIS UNIVERSITY, Mo.; Karl G. Lark, St. Louis, and Daniel Billen, University of Texas, Austin; *Conference on Cellular Control of DNA Biosynthesis*; 1 year; \$7,600

SCIENTIFIC RESEARCH COUNCIL, New York, N.Y.; Francis H. Palmer; *Learned and Nonlearned Behavior in Immature Organisms*; 1 year; \$8,400

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS, Philadelphia, Pa.; A. S. Householder; *Symposium on Approximations*; 1 year; \$16,100

SOUTHERN FOREST TREE IMPROVEMENT COMMITTEE, Savannah, Ga.; John W. Johnson; *Forest Genetics Workshop*; 5 months; \$2,600

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Claude C. Albritton, Jr.; *Balanced Research in Mineral Deposits*; 6 months; \$1,650

STANFORD RESEARCH INSTITUTE, Menlo Park, Calif.; Nevin K. Hiestler; *International Symposium on High Temperature Technology*; 1 year; \$7,200

STANFORD UNIVERSITY, Stanford, Calif.; Robert Hofstadter; *International Conference on Nucleon Structure*; 1 year; \$7,000

SYRACUSE UNIVERSITY RESEARCH INSTITUTE, Syracuse, N.Y.; Warren B. Walsh; *The Third Conference of Translation Editors*; 3 months; \$2,650

TERRATOLOGY SOCIETY, Bar Harbor, Maine; Charles P. Dagg; *Effects of a Chromosome Section Controlling Abnormal Development in the Mouse*; 6 months; \$400

UNIVERSITY OF ARIZONA, Tucson; A. B. Meinel; *Symposium on Astronomical Instrumentation*; 1 year; \$6,000

UNIVERSITY OF BUFFALO FOUNDATION, INC., N.Y.; S. Mrozowski, State University of New York at Buffalo; *Sixth Biennial Conference on Carbon*; 1 year; \$2,500

UNIVERSITY OF CALIFORNIA, Berkeley; Arno P. Schnlewind; *Conference on the Mechanical Behavior of Wood*; 1 year; \$1,320

UNIVERSITY OF HAWAII, Honolulu; Howard F. Mower and Theodore Winnick; *Symposium on Ferredoxins and Other Non-Heme Iron-Containing Enzymes*; 1 year; \$4,150

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Eugen Merzbacher; *Second Eastern Theoretical Physics Conference*; 1 year; \$2,500

UNIVERSITY OF NOTRE DAME, Ind.; Charles J. Mullin; *Midwest Conference on Theoretical Physics*; 1 year; \$5,000
 Wilhelm Stoll; *Conference on Complex Manifolds and Several Complex Variables*; 1 year; \$9,000

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Elias Burstein; *International Conference on Lattice Dynamics*; 1 year; \$2,500

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Jay M. Savage; *Conference on*

Problems in Education and Research in Tropical Biology; 6 months; \$1,500

UNIVERSITY OF THE WEST INDIES, Andrew, Jamaica; John W. Purseglove; *Neotropical Botany Conference*; \$1,400

YALE UNIVERSITY, New Haven, Conn.; Dirk Brouwer; *Symposium on Astrometry*; 6 months; \$3,300

INTERNATIONAL TRAVEL

First Australian Conference on Electrochemistry, Sydney and Hobart, Australia; February 13 to 20, 1963:

Paul Delahay; Louisiana State University; \$1,225
 William H. Reinmuth; Columbia University; \$1,300

First Chilean Conference on Earthquake Engineering, Santiago, Chile; July 15 to July 19, 1963:

Glen V. Berg; University of Michigan; \$624

First Congress of the International Society for Stereology, Vienna, Austria; April 17 to April 20, 1963; The European Anatomists Congress, Munich, Germany; April 21 to April 25, 1963; and for Consultation in Stuttgart, Germany; March to June 1963:

Robert T. DeHoff; University of Florida; \$600
 Hans Elias; Chicago Medical School; \$780

First European Malacological Congress, London, England; September 17 to September 22, 1962:

Elizabeth Allison Kay; University of Hawaii; \$745

First International Africanists Congress, Accra, Ghana; December 12 to December 17, 1962:

Anthony S. Reynier; Howard University; \$985

First International Industrial Lubrication Exhibition and Conference, London, England; February 11 to February 14, 1963:

William F. Hughes; Carnegie Institute of Technology; \$400

First International Symposium of Histochemistry and Cytochemistry, Warsaw, Poland; May 12 to May 16, 1963:

George G. Berg; The University of Rochester; \$725

First National Conference on Aerosols, Prague, Czechoslovakia; October 8 to October 13, 1962:

Frank T. Gucker; Indiana University; \$700

The First Pan-American Congress of Neurology, Lima, Peru; October 21 to October 25, 1963:

Victor H. Auerbach; St. Christopher's Hospital for Children; \$500

Second Asia and Oceania Congress of Endocrinology, Sydney, Australia; May 28 to June 2, 1963:

Roberto F. Escamilla; University of California; \$1,000

Second Asian Regional Conference-International Society of Soil Mechanics and Foundation Engineering; Tokyo, Japan; May 1 to May 4, 1963:

Eben Vey; Illinois Institute of Technology; \$1,000

Second Colloquium on Variable Stars, Bamberg, Germany; September 5 to September 8, 1962:

Margaret W. Mayall; American Association of Variable Star Observers; \$665

Second Conference on Nonlinear Vibrations, Warsaw, Poland; September 18 to September 21, 1962:

Walter W. Soroka; University of California; \$960

Second General Meeting, Commission on Methods of Economic Regionalization, Lantcut, Poland; September 9 to September 13, 1963:

Chauncy D. Harris; University of Chicago; \$495

Second Instructional Conference of the London Mathematical Society, Durham, England; March 28 to April 11, 1963:

Patrick Billingsley; University of Chicago; \$550

Second International Conference on Nuclidic Masses, Vienna, Austria; July 15 to July 19, 1963:

Jesse W. M. DuMond; California Institute of Technology; \$925

Jerry B. Marlon; University of Maryland; \$675

Douglas M. Van Patter; Bartol Research Foundation of the Franklin Institute; \$650

Second International Federation of Automatic Control Congress, Basle, Switzerland; August 27 to September 4, 1963:

George A. Bekey; University of Southern California; \$840

Robert H. Flake; Washington University; \$475

Eliahu I. Jury; University of California; \$840

Rudolf E. Kalman; Reserach Institute for Advanced Studies; \$610

Louis F. Kazda; University of Michigan; \$362

Ralph J. Kochenburger; University of Connecticut; \$580

Joseph P. LaSalle; Research Institute for Advanced Studies; \$610

E. Bruce Lee; University of Minnesota; \$700

Ching-Chung Li; University of Pittsburgh; \$621

Mihajlo D. Mesarovic; Case Institute of Technology; \$622

George C. Newton, Jr.; Massachusetts Institute of Technology; \$570

Phillip E. Sarachik; Columbia University; \$561

J. Lowen Shearer; Massachusetts Institute of Technology; \$570

Chi-Neng Shen; Rensselaer Polytechnic Institute; \$430

Laurence R. Young; Massachusetts Institute of Technology; \$570

2nd International Peat Congress, Leningrad, U.S.S.R.; August 15 to August 22, 1963:

Rouse S. Farnham; University of Minnesota; \$850

Second International Pharmacological Meeting, Prague, Czechoslovakia; August 19 to August 24, 1963:

E. W. Maynert; Johns Hopkins University; \$600

Allan F. Mirsky; Boston University; \$400

Alan Mark Polsner; Albert Einstein College of Medicine; \$200

Isabel Wajda; New York State Psychiatric Institute; \$500

Second International Symposium on the Theory of Road Traffic Flow, London, England; June 25 to June 27, 1963:

Adolf D. May, Jr.; Northwestern University; \$560

George H. Weiss; University of Maryland; \$500

Second Pan-American Conference on Soil Mechanics and Foundation Engineering, Sao Paulo, Rio de Janeiro and Belo Horizonte, Brazil; July 14 to July 24, 1963:

Jorg O. Osterberg; Northwestern University; \$660

Third International Conference on Atmospheric and Space Electricity, Montreux, Switzerland; May 6 to May 10, 1963, and Fifth International Symposium on Condensation Nuclei, Toulouse, France; May 13 to May 19, 1963:

George D. Freier; University of Minnesota; \$725

Lothar H. Ruhnke; General Mills, Inc.; \$725

Vincent J. Schaefer; \$825

Third International Conference on Operations Research, Oslo, Norway; July 1 to July 5, 1963:

Russell L. Ackoff; Case Institute of Technology; \$605

John Joseph Coleman; Space Technology Laboratories; \$805

Daniel Howland; Ohio State University; \$560

Albert H. Rubenstein; Northwestern University; \$635

Leon Wester; Armour Research Foundation of Illinois Institute of Technology; \$635

Third International Conference on the Physics of Electronic and Atomic Collisions, London, England; July 22 to July 26, 1963:

Robert C. Amme; University of Denver; \$600

Ernst G. Bauer; U.S. Naval Ordnance Test Station; \$850

Richard B. Bernstein; University of Michigan; \$650

J. William McGowan; General Dynamics Corporation; \$850

E. E. Muschitz, Jr.; University of Florida; \$515

Frank R. Pomilla; St. John's University; \$600

Erhard W. Rothe; General Dynamics/Astronautics; \$850

Walter R. Thorson; Massachusetts Institute of Technology; \$350

Harry M. Sechey; University of California; \$800

3rd International Congress of the International Society of Biometeorology, Pau, France; September 2 to September 7, 1963:

Franklyn Field; Albert Einstein College of Medicine; \$600

Harold D. Johnson; University of Missouri; \$590

Robert A. Ragotzkie; University of Wisconsin; \$685

William E. Reifsnnyder; Yale University; \$605

Robert E. Stewart; Ohio State University; \$660
C. E. Yarwood; University of California; \$350

Third International Symposium on Quantum Electronics, Paris, France; February 11 to February 15, 1963:

James M. Feldman; Carnegie Institute of Technology; \$435
Roy J. Glauber; Harvard University; \$450
Norman Foster Ramsey; Harvard University; \$450
Arthur L. Schawlow; Stanford University; \$825

Third West African Languages Congress, Freetown, Sierra Leone; March 26 to April 1, 1963:

Charles H. Kraft; Hartford Seminary Foundation; \$955
Roger W. Wescott; Southern Connecticut State College; \$980

4th Annual Meeting of the Brazilian Association of Chemistry, Rio de Janeiro, Brazil; November 10 to November 23, 1962:

Hugh J. McDonald; Loyola University; \$675

4th Congress of the International Federation of Translators (FIT), Dubrovnik, Yugoslavia; August 31 to September 7, 1963:
Kurt Gingold; American Cyanamid Company, \$1,152

Fourth International Congress on Microwave Tubes, Delft, Netherlands; September 3 to September 7, 1962:

Robert M. Bevensee; University of California; \$525
George E. Dombrowski; University of Connecticut; \$525

4th Congress, International Mineralogical Association, Rome, Italy; September 9 to September 18, 1963:

Thomas F. Bates; Pennsylvania State University; \$700

Fourth International Space Science Symposium, Warsaw, Poland; June 3 to June 11, 1963:

Carl W. Bruch; Schwarz Laboratories, Inc.; \$700
Thomas M. Donahue; University of Pittsburgh; \$725
Solon A. Gordon; Argonne National Laboratory; \$745
Curtis L. Hemenway; Dudley Observatory; \$700
Norman H. Horowitz; California Institute of Technology; \$913
Hilde Kallmann-Bijl; University of California; \$913
William W. Kellogg; RAND Corporation; \$702
Gilbert V. Levin; Resources Research, Inc.; \$702
Arthur E. Lilley; Harvard University; \$700
Stanley L. Miller; University of California; \$913
John E. Myers; University of Texas; \$815
William F. Neuman; University of Rochester Medical Center; \$700
Brian J. O'Brien; State University of Iowa; \$790
John B. Opfell; Dynamic Science Corporation; \$923

Gerald Silverman; Massachusetts Institute of Technology; \$700
Phillip C. Trexler; Albert Einstein College of Medicine; \$700
Wolf Vishniac; University of Rochester; \$700

Fifth International Biometric Conference, Cambridge, England; September 1963:

American Society of Plant Physiologists; \$11,000
American Statistical Association; \$10,000

Fifth International Conference on Medical Electronics, Liege, Belgium; July 22 to July 26, 1963:

Carl Berkley; Foundation for Medical Technology; \$600
Dean L. Franklin; Scripps Clinic and Research Foundation; \$900
Jacob Kiline; University of Rhode Island; \$570
Edwin C. Lowenberg; University of Texas; \$570
R. Stuart Mackay; University of California; \$900

Fifth International Congress of Slavists, Sofia, Bulgaria; September 17 to September 23, 1963:

Henrik Birnbaum; University of California; \$250
Morris Halle; Massachusetts Institute of Technology; \$700
Henry Kucera; Brown University; \$800
George Y. Shevelov; Columbia University; \$350
Joseph A. Van Campen; Harvard University; \$700
C. H. van Schooneveld; Stanford University; \$650
Uriel Weinreich; Columbia University; \$225
Gerta G. Worth; University of California; \$200

Fifth International Pesticides Congress, London, England; July 17 to July 23, 1963:

Albert E. Dimond; Connecticut Agricultural Experiment Station; \$600

Sixth Annual Meeting of the Japanese Neurochemical Society, Tokyo, Japan; October 4 to October 5, 1963:

J. Folch-Pi; McLean Hospital, Belmont, Mass.; \$1,074

Sixth General Assembly and International Congress: International Union of Crystallography, Rome, Italy; September 9 to September 18, 1963:

Edward R. Boyko; Providence College; \$400
Lawrence O. Brockway; University of Michigan; \$660
Charles N. Caughlan; Montana State College; \$800
Michael I. Davis; University of Texas; \$840
Gabrielle Donnay; Johns Hopkins University; \$675
Joseph D. H. Donnay; Johns Hopkins University; \$675
Agerico L. Esquivel; Woodstock College; \$675
Isidor Fankuchen; Polytechnic Institute of Brooklyn; \$750
George A. Jeffrey; University of Pittsburgh; \$665
James D. McCullough; University of California; \$940

Erwin W. Mueller; Pennsylvania State University; \$620
Christler E. Nordman; University of Michigan; \$620
Joseph A. Pask; University of California; \$620
Selmer W. Peterson; Washington State University; \$800
Robert A. Sparks; University of California; \$940
Hugo Steinfink; University of Texas; \$800
Kenneth N. Trueblood; University of California; \$700
Phillip A. Vaughan; Rutgers, The State University; \$650
R. A. Young; Georgia Institute of Technology; \$750
Tibor Zoltai; University of Minnesota; \$740

Sixth International Conference on Ionization Phenomena in Gases, Paris, France; July 8 to July 13, 1963:

Isadore Amdur; Massachusetts Institute of Technology; \$800
Manfred A. Biondi; University of Pittsburgh; \$650
Howard H. Brown, Jr.; New York University; \$600
Morton A. Fineman; General Dynamics Corporation; \$818
Zohrab A. Kaprielian; University of Southern California; \$850
Jacob Neufeld; Oak Ridge National Laboratory; \$700
James R. Peterson; Stanford Research Institute; \$850
Manuel Rotenberg; University of California; \$850
Hans Schluter; University of Texas; \$725
Aldert van der Ziel; University of Minnesota; \$700
Robert N. Varney; Washington University; \$650
Thomas D. Wilkerson; University of Maryland; \$600

Sixth International Congress on High Speed Photography, Scheveningen, Netherlands; September 17 to September 22, 1962:

John K. Crosby; Stanford Research Institute; \$830

Sixth International Congress of Nutrition, Edinburgh, Scotland; August 9 to August 15, 1963:

American Institute of Nutrition, Davis, Calif.; \$17,500

Sixth International Embryological Conference, Helsinki, Finland; During July 1963:

Joseph C. Daniel, Jr.; University of Colorado; \$860

Louis E. DeLanney; Wabash College; \$840

Ronald C. Fraser; University of Tennessee; \$745

Viktor Hamburger; Washington University; \$795

Elizabeth Dexter Hay; Harvard Medical School; \$700

Johannes Holtfreter; University of Rochester; \$710

Antone G. Jacobson; University of Texas; \$830

Ronald A. Malt; Massachusetts Institute of Technology; \$700

John Papaconstantinou; University of Connecticut; \$690

Ruth Sager; Columbia University; \$320
Marcus Singer; Western Reserve University; \$200

Malcolm S. Steinberg; Johns Hopkins University; \$700

Vance Tartar; University of Washington; \$960

Charles E. Wilde, Jr.; University of Pennsylvania; \$690

Saul Wischnitzer; New York Medical College; \$670

Edgar Zwilling; Brandeis University; \$225

Sixth International Mineral Processing Congress, Cannes, France; May 26 to June 1, 1963:

Douglas W. Fuerstenau; University of California; \$865

Sixth International Sedimentological Congress, Amsterdam, Netherlands, and Antwerp, Belgium; May 27 to June 8, 1963:

Robert H. Dott, Jr.; University of Wisconsin; \$100

George deVries Klein; University of Pittsburgh; \$700

Sixth International Symposium on Free Radicals, Cambridge, England; July 2 to July 5, 1963:

Francis O. Rice; University of Notre Dame; \$600

Sixth World Petroleum Congress, Frankfurt, Germany; June 19 to June 26, 1963:

Robert J. Adler; Case Institute of Technology; \$605

Bartholomew Nagy; Fordham University; \$560

Robert L. Whiting; Agricultural and Mechanical College of Texas; \$370

Seventh European Molecular Spectroscopy Congress, Budapest, Hungary; July 22 to July 27, 1963:

Erwin Fishman; Syracuse University; \$675

Seventh International Nematology Symposium, Auchincruive, Scotland; September 9 to September 13, 1963:

William R. Jenkins; Rutgers, the State University; \$459

Lorin R. Krusberg; University of Maryland; \$486

Eighth Annual Biological Conference, Ohio, Israel; March 27 to March 30, 1963:

Luigi Gorini; Harvard Medical School; \$900

H. Edwin Umbarger; Long Island Biological Association; \$900

Eighth Inter-American Congress of Psychology, Mar del Plata, Argentina; April 2 to April 6, 1963:

American Psychological Association; \$5,000

Eighth International Conference on Low Temperature Physics, London, England; September 16 to September 22, 1962:

Ferdinand G. Brickwedde; Pennsylvania State University; \$950

Paul L. Donoho; William Marsh Rice University; \$675

Rudolf Frerichs; Northwestern University; \$620

Myron P. Garfunkel; University of Pittsburgh; \$560

Edward H. Jacobsen; University of Rochester; \$550

Eighth International Ethological Congress, The Hague, Netherlands; September 12 to September 22, 1963:

Lester R. Aronson; American Museum of Natural History; \$540

Nicholas E. Collias; University of California; \$830

Benjamin Dane; New York University School of Medicine; \$810

John T. Emlen; University of Wisconsin; \$640

Robert W. Ficken; University of Maryland; \$580

Daniel G. Freedman; University of California; \$180

Beatrice T. Gardner; Tufts University; \$530

Benson E. Ginsburg; University of Chicago; \$630

Edward S. Hodgson; Columbia University; \$540

Donald Dale Jensen; Indiana University; \$610

Erich Klinghammer; University of Chicago; \$630

Sol Kramer; State University of New York; \$560

Peter R. Marler; University of California; \$810

Donald M. Maynard; Bermuda Biological Station; \$590

James V. McConnell; University of Michigan; \$590

Howard Molts; Brooklyn College; \$540

Jay S. Rosenblatt; Rutgers, the State University; \$530

Richard L. Solomon; University of Pennsylvania; \$570

Donald Melvin Wilson; University of California; \$810

Tenth International Congress of Surveyors, Vienna, Austria; August 24 to September 1, 1962:

American Congress on Surveying and Mapping; \$1,965

10th International Meeting of The Institute of Management Sciences, Tokyo, Japan; August 21 to August 24, 1963:

Kenneth J. Arrow; Stanford University; \$830

C. West Churchman; University of California; \$830

Harvey M. Wagner; Stanford University; \$830

Eleventh International Congress of Refrigeration, Munich, Germany; August 27 to September 4, 1963:

Ferdinand G. Brickwedde; Pennsylvania State University; \$1,030

Burgess H. Jennings; Northwestern University; \$675

Richard C. Jordan; University of Minnesota; \$695

Carl F. Kayan; Columbia University; \$600

The Eleventh International Congress of Genetics, The Hague, Netherlands; September 2 to September 10, 1963:

Genetics Society of America, Pasadena, Calif.; \$60,000

12th International Astrophysical Symposium, Liege, Belgium; June 24 to June 26, 1963:

Martin Harwit; Cornell University; \$585

Gerard P. Kuiper; University of Arizona; \$815

Bruce C. Murray; California Institute of Technology; \$585

Peter van de Kamp; Swarthmore College; \$585

Twelfth International Solvay Conference in Chemistry, Brussels, Belgium; November 5 to November 10, 1962:

John Ross; Brown University; \$550

13th Colloquium, International Society of Rock Mechanics, Salzburg, Austria; October 4 to October 5, 1962:

Don U. Deere; University of Illinois; \$650

Thirteenth International Astronautical Congress, Sofia, Bulgaria; September 24 to September 29, 1962:

Antoni K. Oppenheim; University of California; \$1,056

Thirteenth International Committee of Electrochemical Thermodynamics and Kinetics, Rome, Italy; September 24 to September 29, 1962:

Leonard Nanis; Columbia University; \$620

14th General Assembly, International Scientific Radio Union, Tokyo, Japan; September 9 to September 20, 1963:

Alexander J. Dessler; William Marsh Rice University; \$964

Laurence A. Manning; Stanford University; \$783

Arthur H. Waynick; Pennsylvania State University; \$1,021

Lotfi A. Zadeh; University of California; \$783

15th Session, International Commission on Illumination, Vienna, Austria; June 16 to June 26, 1963:

James W. Griffith; Southern Methodist University; \$760

Philip F. O'Brien; University of California; \$885

Russell C. Putnam; Case Institute of Technology; \$645

16th Congress of the International Scientific Film Association, Warsaw, Poland; September 23 to September 30, 1962:

Richard A. Boolootian; University of California; \$1,463

Robert E. Green; National Academy of Sciences; \$1,156

Willard Webb; American Science Film Association; \$1,156

Randall M. Whaley; Wayne State University; \$1,196

16th Assembly, International Institute of Welding, Helsinki, Finland; July 7 to July 14, 1963:

Myron L. Begeman; University of Texas; \$830

Sixteenth General Assembly of the Japan Medical Congress, and Visit Research Laboratories, Scientists, and Educators in Japan; March and April 1963:

H. W. Magoun; University of California; \$1,005

19th All-Union Scientific Sessions Connected with Radio Day, Moscow, U.S.S.R.; May 7 to May 15, 1963:

David A. Huffman; Massachusetts Institute of Technology; \$790

XIXth International Congress of Pure and Applied Chemistry, London, England; July 10 to July 17, 1963:

Paul I. Abell; University of Rhode Island; \$535

Laurens Anderson; University of Wisconsin; \$700

Ivan Bernal; Columbia University; \$510

Jacob J. Bikerman; Massachusetts Institute of Technology; \$500

George Blyholder; University of Arkansas; \$875

Theodore L. Brown; University of Illinois; \$500

Joseph F. Bunnett; Brown University; \$483

Norman H. Cromwell; University of Nebraska; \$670

Ernest L. Eiliel; University of Notre Dame; \$600

William G. Fateley; Mellon Institute; \$530

Henry Feuer; Purdue University; \$580

C. David Gutsche; Washington University; \$620

Rolfe H. Herber; Rutgers, The State University; \$520

John W. Huffman; Clemson College; \$600

Robert E. Ireland; University of Michigan; \$550

George J. Janz; Rensselaer Polytechnic Institute; \$535

A. William Johnson; University of North Dakota; \$670

Thomas J. Katz; Columbia University; \$510

Henry G. Kuitilla; University of New Hampshire; \$400

Nelson J. Leonard; University of Illinois; \$610

Robert E. Lyle, Jr.; University of New Hampshire; \$500

M. Neeman; Roswell Park Memorial Institute; \$535

Fausto Ramirez; State University of New York; \$510

Kenneth L. Rinehart, Jr.; University of Illinois; \$610

William H. Saunders, Jr.; University of Rochester; \$550

John P. Schaefer; University of Arizona; \$750

Dietmar Seyferth; Massachusetts Institute of Technology; \$500

Philip S. Skell; Pennsylvania State University; \$550

Peter A. S. Smith; University of Michigan; \$650

Robert D. Stolow; Tufts University; \$500

Roland Ward; University of Connecticut; \$500

Edgar F. Westrum, Jr.; University of Michigan; \$650

22nd Conference, International Union of Pure and Applied Chemistry, London, England; July 5 to July 9, 1963:

F. F. Nord; Fordham University; \$900

28th Conference, International Federation of Documentation, The Hague, Netherlands; September 24 to September 29, 1962:

Milton O. Lee; Federation of American Societies for Experimental Biology; \$940

Fiftieth Statutory Meeting of the Bureau of International Council for the Exploration

of the Sea and Special Meeting to Consider Problems in the Exploitation and Regulation of Fisheries for Crustacea, Copenhagen, Denmark; September 28 to October 10, 1962:

Edward C. Raney; Cornell University; \$600

Ad Hoc Committee for ICIREPAT, Munich, Germany; September 3 to September 8, 1962:

Ruth E. Suse; General Electric Company; \$729

Annual Meeting of the Brazilian Society for Metals, Belo Horizonte, Brazil; July 15 to July 20, 1963:

Richard A. Oriani; United States Steel Corporation; \$660

Annual Meeting of Mathematical Society of Japan, Tokyo, Japan; May 27 to May 31, 1963:

Einar Hille; Yale University; \$1,000

Brazilian Association of Chemistry, Rio de Janeiro, Brazil; July 8 to July 12, 1963:

Carl S. Marvel; University of Arizona; \$875

CEB Symposia on Slabs and Shear Strength, Wiesbaden, Germany; April 8 to April 10, 1963:

Phil M. Ferguson; University of Texas; \$725

Metz A. Sozen; University of Illinois; \$640

C.N.R.S. International Symposium on Mechanisms of Cellular Regulation in Bacteria, Marseilles, France; July 22 to July 27, 1963:

Clarke T. Gray; Dartmouth Medical School; \$659

John Imsand; Western Reserve University; \$672

Colloque International de 1963: The Sun in the Renaissance, Brussels, Belgium; April 6 to April 11, 1963:

Allen G. Debus; University of Chicago; \$600

S. K. Heninger, Jr.; Duke University; \$70

Charles D. O'Malley; University of California Medical Center; \$835

Colloque International sur l'histoire de la Biologie marine, Banyuls-sur-Mer, France; September 2 to September 6, 1963:

William Coleman; Johns Hopkins University; \$530

Colloquium on the Applications of Mathematics in Economics, Budapest, Hungary; June 18 to June 22, 1963:

Harold W. Kuhn; Princeton University; \$645

1963 Conference of the International Association for Research in Income and Wealth, Corfu, Greece; June 23 to June 30, 1963:

Hendrik S. Houthakker; Harvard University; \$820

Colloquium on the Physics of Ice Crystals, Zurich, Switzerland; August 28 to August 30, 1962:

W. Barclay Kamb; California Institute of Technology; \$850

Johannes Weertman; Northwestern University; \$875

Commission on Publications, International Union of Pure and Applied Physics, Paris, France; October 26 to October 27, 1962:

Walter C. Michels; Bryn Mawr College; \$851

Simon Pasternack; American Physical Society; \$832

- Conference on Approximation Theory, Oberwolfach, Germany; August 4 to August 10, 1963:
Jacob Korevaar; Stanford University; \$875
- Conference on Engineering Design Tuition, Johannesburg, South Africa; July 15 to July 18, 1963:
Joseph Modrey; Union College; \$729
- Conference on Finite Structures, Lorenzshof, Oberwolfach, Germany; June 4 to June 8, 1963:
Theodore G. Ostrom; Washington State University; \$760
- Conference on High Magnetic Fields, Oxford, England; July 10 to July 12, 1963:
B. S. Chandrasekhar; Western Reserve University; \$550
J. M. Reynolds; Louisiana State University; \$675
- Conference on the Analysis of Meteorites, London, England; September 5 to September 6, 1962:
Carleton B. Moore; Arizona State University; \$800
- Conference on the Present Status and Future Prospects of Television and Motion Pictures as Media for Medical Education, Milan, Italy; April 25 to April 27, 1962:
Council on Medical Television of the Institute for the Advancement of Medical Communication; \$101
- Conference on the Theory of Functions of a Single Variable, Oberwolfach, Germany; March 24 to March 29, 1963:
Frederick Bagemihl; Wayne State University; \$800
Frederick W. Gehring; University of Michigan; \$600
- Conference on Ultra-High-Energy Physics, Bristol, England; January 7 to January 10, 1963:
R. W. Huggett; Louisiana State University; \$600
C. H. Tsao; University of Chicago; \$500
- Conferring with the Project on Sources for the History of Quantum Physics, Copenhagen, Denmark; June 1 to June 15, 1963:
Alfred E. Miller; Harvard University; \$565
- Congress of the Latin-American Association of Physiological Sciences, Caracas, Venezuela; August 24 to August 31, 1963:
Peter H. Lowy; California Institute of Technology; \$500
- Consultation on Abstracts in the Field of Applied Economics, Paris, France; January 28 to January 30, 1963:
Charles B. Warden, Jr.; Harvard University; \$390
- Course on Alpine and Glacier Research; Kauns Valley, Austria; July 1 to September 30, 1963:
Arthur E. Harrison; University of Washington; \$768
- Cybernetics Council of the Academy of Sciences, Moscow, U.S.S.R.; August-September, 1963:
Wassily W. Leontief; Harvard University; \$850
- Czechoslovak Medical Congress, Prague, Czechoslovakia; November 12 to November 17, 1962:
James D. Block; Albert Einstein College of Medicine; \$610
Dominick P. Purpura; Columbia University; \$600
Curt Stern; University of California; \$920
- Delivering a One Month Lecture Course in Electrophysiology, Belgrade University; October 1963:
Alexander Mauro; Rockefeller Institute; \$1,000
- Enrico Fermi School of Physics, Varenna, Italy; August 16 to August 31, 1963:
Nicolaas Bloembergen; Harvard University; \$576
- Europaischen Mikropalaontologischen Kolloquium, Vienna, Austria; September 16 to September 22, 1963:
Orville L. Bandy; University of Southern California; \$883
- Executive Committee of the International Union of Prehistoric and Protohistoric Sciences, Belgrade, Yugoslavia; June 10 to June 16, 1963:
James B. Griffin; University of Michigan; \$750
- Executive Committee Meeting of the International Brain Research Institute, Paris, France; June 14 to June 16, 1963:
Ralph W. Gerard; University of Michigan; \$830
Horace W. Magoun; University of California; \$830
Walter A. Rosenblith; Massachusetts Institute of Technology; \$520
- Faraday Society Discussions on the Structures of Electronically-Excited Species in the Gas Phase, Dundee, Scotland; April 2 to April 3, 1963:
K. Keith Innes; Vanderbilt University; \$575
Lionel M. Raff; University of Illinois; \$550
- Gamma-gamma Angular Correlations, Uppsala, Sweden; May 27 to May 30, 1963:
Hans J. Leisi; Bartol Research Foundation of The Franklin Institute; \$650
P. J. Ouseph; University of Louisville; \$750
- German Metallurgical Society, General Assembly, Berlin, Germany; June 10 to June 13, 1963:
William H. Robinson; Carnegie Institute of Technology; \$635
- Global Impacts of Applied Microbiology Symposium, Stockholm, Sweden; July 29 to August 3, 1963:
Martin Alexander; Cornell University; \$688
Elmer L. Gaden, Jr.; Columbia University; \$650
Robert N. Goodman; University of Missouri; \$778
Mortimer P. Starr; University of California; \$891
- To Visit Harvard-Florence Research Project, Florence, Italy; between May 5 and May 30, 1963:
Norman Livson; University of California; \$200

- IASS Symposium on Non-Classical Shell Problems, Warsaw, Poland; September 2 to September 9, 1963:
John E. Goldberg; Purdue University; \$790
- Indian Science Congress (Golden Jubilee) and the Convention of Spectroscopists, New Delhi, India; January 1 to February 5, 1963:
Gerhard H. Dieke; Johns Hopkins University; \$1,300
- Individual Visit to Soviet Scientific Institutes, Moscow, Leningrad, Russia, June 17-29, 1963:
Manfred R. Schroeder; Bell Telephone Laboratories, Inc.; \$845
- Information Theory Symposium, Brussels, Belgium; September 3 to September 7, 1962:
Richard A. Johnson; Syracuse University; \$555
- Institute of Mathematical Statistics: Second European Regional Meeting, Copenhagen, Denmark; July 8 to July 10, 1963:
Albert H. Bowker; Stanford University; \$850
- International Astronomical Union Symposium No. 19, 'Site Testing', Rome, Italy; October 1 to October 6, 1962:
Aden B. Meinel; University of Arizona; \$932
William M. Protheroe; University of Pennsylvania; \$715
- International Astronomical Union, 20th Symposium, The Galaxy and the Magellanic Clouds, Sydney and Canberra, Australia; March 17 to March 28, 1963:
Halton C. Arp; Mount Wilson and Palomar Observatories; \$1,008
Olin J. Eggen; California Institute of Technology; \$570
Guido Munch; California Institute of Technology; \$570
Maarten Schmidt; California Institute of Technology; \$710
William G. Tift; Lowell Observatory; \$680
Gerard H. de Vaucouleurs; University of Texas; \$1,175
Gart Westerhout; University of Maryland; \$1,400
- International Astronomical Union Symposium No. 21, The System of Astronomical Constants, Paris, France; May 27 to May 31, 1963:
Samuel Herrick; University of California; \$835
Eugene K. Rabe; University of Cincinnati; \$685
- International Astronomical Union, Symposium No. 22, Tegernsee, Germany; September 2 to September 11, 1963:
Armin J. Deutsch; Mount Wilson and Palomar Observatories; \$880
Jesse L. Greenstein; California Institute of Technology; \$880
- International Clay Conference, Stockholm, Sweden; August 12 to August 16, 1963:
George W. Brindley; Pennsylvania State University; \$750
James W. Earley; Gulf Research and Development Company; \$750
George T. Faust; U.S. Department of Interior; \$750
Friedrich F. Koczy; University of Miami; \$800
- B. N. Rolfe; Sinclair Research, Inc.; \$750
Joe L. White; Purdue University; \$700
- International Colloquium on Insect Pathology and Microbial Control, Paris, France; October 17 to October 20, 1962:
John D. Briggs; Bioferm Corporation; \$900
- International Colloquium on Micropaleontology, Dakar, Senegal, Africa; May 6 to May 11, 1963:
Angelina R. Messina; American Museum of Natural History; \$729
- International Committee for Coal Petrographic Analysis, Cheltenham, England; May 26 to May 30, 1963:
John A. Harrison; Illinois State Geological Survey; \$750
- International Committee for Social Science Documentation, Geneva, Switzerland; April 1 to April 3, 1963:
Lawrence Krader; Boston University; \$1,012
- International Conference on Crystal Lattice Defects, Kyoto, Japan; September 7 to September 12, 1962:
Michael O'Keefe; Indiana University; \$780
John M. Roberts; William Marsh Rice University; \$800
George Sines; University of California; \$800
John E. Werts; University of Minnesota; \$1,010
- International Conference on Direct Interactions and Nuclear Reaction Mechanisms, Padua, Italy; September 3 to September 8, 1962:
Luisa F. Hansen; University of California; \$850
Derek J. Prowse; University of California; \$850
Howard J. Schnitzer; Brandeis University; \$635
- International Conference on Lattice Dynamics, Copenhagen, Denmark; August 5 to August 9, 1963:
Gordon Baym; University of California; \$300
B. Gale Dick; University of Utah; \$250
A. T. Stewart; University of North Carolina; \$75
- International Conference on Light and Vision, Baden, Austria; June 12 to June 18, 1963 and Meeting of the International Commission on Illumination, Vienna, Austria; June 18 to June 26, 1963:
H. Richard Blackwell; Ohio State University Research Center; \$670
Robert M. Boynton; University of Rochester; \$640
Harry Helson; Kansas State University; \$750
Leonard C. Mead; Tufts University; \$595
Everett M. Strong; Cornell University; \$565
- International Conference on Mediterranean Peoples, Athens, Greece; July 14 to July 21, 1963:
Joel M. Halpern; University of California; \$1,035
Michael Kenny; Catholic University of America; \$840

- International Conference on Nonlinear Magnetism, Washington, D.C.; April, 1963:
American Institute of Electrical Engineers, New York, N.Y.; \$5,800
- International Conference on Nuclidic Masses, Vienna, Austria; July 15 to July 19, 1963:
Ernst Breitenberger; University of South Carolina; \$710
Gerald C. Phillips; William Marsh Rice University; \$800
- International Congress on Stratigraphy and Carboniferous Geology, Paris, France; September 9 to September 12, 1963:
Gilbert H. Cady; Illinois State Geological Survey; \$750
- International Conference on the Biochemistry of Lipids, Stockholm, Sweden; August 5 to August 7, 1963:
Ezra Staple; University of Pennsylvania; \$650
- International Economic Association Conference on Activity Analysis, Cambridge, England; June 29 to July 7, 1963:
Earl O. Heady; Iowa State University; \$660
Tjalling C. Koopmans; Yale University; \$555
Lionel W. McKenzie; The University of Rochester; \$555
Roy Radner; University of California; \$805
- International Federation of Documentation, The Hague, Netherlands; January 28 to February 1, 1963:
Malcolm Rigby; Weather Bureau, U.S. Dept. of Commerce; \$976
- International Federation for Information Processing Congress, Munich, Germany; August 27 to September 1, 1962:
Gene H. Golub; Stanford University; \$850
Thomas H. Mott, Jr.; International Research Institute; \$570
Roy Weinstein; Northeastern University; \$560
- International Gravimetric Bureau, Paris, France; September 10 to September 15, 1962:
Walter D. Lambert; Ohio State University; \$550
George P. Woollard; University of Wisconsin; \$700
- International Institute of Refrigeration, Executive Committee Meeting, Paris, France; November 27 to November 28, 1962:
Ferdinand G. Brickwedde; Pennsylvania State University; \$440
- International Jubilee Meeting of the British Ecological Society, London, England; March 28 to March 30, 1963:
Hugh M. Raup; Harvard University; \$500
- International Meeting on Organic Processes in Geochemistry, Milan, Italy; September 10 to September 12, 1962:
Irving A. Berger; U.S. Geological Survey; \$715
- International Road Federation Fourth World Meeting, Madrid, Spain; October 14 to October 20, 1962:
Siegfried M. Breuning; Michigan State University; \$350
- International Round-Table Conference on the Structure and Function of the Epiphysis Cerebri, Amsterdam, The Netherlands; July 10 to July 13, 1963:
Joseph T. Bagnara; University of Arizona; \$600
Virginia Mayo Fiske; Wellesley College; \$300
Gerald F. Hungerford; University of Southern California; \$600
Douglas E. Kelly; University of Washington School of Medicine; \$500
Willard D. Roth; Harvard Medical School; \$400
David Emery Wolfe; Harvard Medical School; \$400
Richard J. Wurtman; National Institute of Mental Health; \$400
- International Social Science Council Conference on Data Archives, Cologne, Germany; June 28 to June 29, 1963:
Erwin K. Scheuch; Harvard University; \$775
- International Standards Association, Technical Committee 97, Working Group A (Information Processing Glossary) Meeting, Paris, France; October 8 to October 12, 1962:
Albrecht J. Neumann; Engineering Raytheon Company; \$607
- International Symposium for the History of Science and Technology, Jablonna, Poland; September 17 to September 21, 1963:
Robert S. Cohen; Boston University; \$700
Derek J. de Solla Price; Yale University; \$685
Dirk J. Struik; Massachusetts Institute of Technology; \$700
- International Symposium of Plecopterozoology, Plon, Holstein, Germany; September 21 to September 23, 1963:
Arden R. Gauhn; University of Utah; \$800
- International Symposium on Antarctic Biology, Paris, France; September 2 to September 8, 1962:
Carroll W. Dodge; Washington University; \$500
William G. Fry; University of the Pacific; \$90
J. Linsley Gressitt; Bernice P. Bishop Museum; \$689
Laurence Irving; Arctic Health Research Center; \$831
Robert C. Murphy; American Museum of Natural History; \$160
George F. Papenfuss; University of California; \$435
William J. L. Sladen; Johns Hopkins University; \$744
Donald E. Wohlschlag; Stanford University; \$725
- International Symposium on Mass Transfer, Calcutta, India; December 28 to December 31, 1962:
Ju Chin Chu; Polytechnic Institute of Brooklyn; \$430
- International Symposium on the Control of Cell Division and Induction of Cancer; Lima, Peru and Cali, Colombia; During July, 1963:
Henry S. Kaplan; Stanford Medical Center; \$720
S. E. Luria; Massachusetts Institute of Technology; \$650

- Daniel Mazia; University of California; \$720
 Arthur B. Pardee; Princeton University; \$555
 Robert P. Perry; Institute for Cancer Research; \$550
 Stanfield Rogers; University of Tennessee; \$610
 Albert Tannenbaum; Michael Reese Hospital and Medical Center; \$565
- International Symposium on Equatorial Aeronomy, Huaychulo, Peru; September 18 to September 26, 1962:
 Wynne Calvert; Montana State College; \$770
 William Bert Hanson; Graduate Research Center, Dallas; \$575
- International Symposium on Numerical Weather Forecasting, Oslo, Norway; March 11 to March 15, 1963:
 George W. Platzman; University of Chicago; \$650
 Yoshikazu Sasaki; University of Oklahoma; \$700
- International Symposium on Pollen Physiology and Fertilization, Nijmegen, Netherlands; August 29 to August 31, 1963:
 John R. Rowley; University of Massachusetts; \$600
 I. K. Vasil; University of Illinois; \$650
- International Symposium on Protein Structure and Crystallography, Madras, India; January 13 to January 25, 1963:
 Leonard Derwent Hamilton; Sloan-Kettering Institute for Cancer Research and Memorial Hospital; \$1,200
 Alan J. Hodge; California Institute of Technology; \$1,200
 Gopinath Kartha; Roswell Park Memorial Institute; \$1,200
 Dorita A. Norton; Roswell Park Memorial Institute; \$1,200
- International Symposium on Relay Systems Theory and Finite Automata, Moscow, U.S.S.R.; September 24 to October 2, 1962:
 David A. Huffman; Massachusetts Institute of Technology; \$790
 Edward J. Smith; Polytechnic Institute of Brooklyn; \$800
- International Symposium on the Relation Between the Structure and the Mechanical Properties of Metals, Teddington, England; January 7 to January 9, 1963:
 W. H. Robinson; Carnegie Institute of Technology; \$395
- International Symposium on the Relation of Properties to Structure, Melbourne, Australia; May 20 to May 24, 1963:
 Bruce Chalmers; Harvard University; \$1,430
 Gareth Thomas; The University of California; \$1,110
- International Symposium on Stratospheric and Mesospheric Circulation, Berlin, Germany; August 20 to August 31, 1962:
 Walter J. Saucier; University of Oklahoma; \$340
- International Symposium on the Role of Cellular Reactions in Adaptation of Multicellular Organisms to Environmental Temperature, Leningrad, U.S.S.R.; May 31 to June 5, 1963:
 Clifford L. Prosser; University of Illinois; \$900
- International Technical Colloquium of the Research Association on Drilling and Production Techniques, Rueil-Malmaison, France; June 10 to June 14, 1963:
 M. Rasn Tek; University of Michigan; \$590
- International Vitamin Congress, Prague, Czechoslovakia; June 3 to June 5, 1963:
 B. Connor Johnson; University of Illinois; \$738
 George Wolf; Massachusetts Institute of Technology; \$670
- Intracellular Membranous Structure, Kyoto, Japan; March 28 to March 31, 1963:
 H. Stanley Bennett; University of Chicago; \$1,025
 E. V. Cowdry; Washington University; \$1,610
 Don W. Fawcett; Harvard University Medical School; \$1,100
 David E. Green; University of Wisconsin; \$1,050
 Lawrence Herman; State University of New York; \$1,100
 Alex B. Novikoff; Yeshiva University; \$1,100
 Keith R. Porter; Harvard University; \$1,100
 J. David Robertson; McLean Hospital; \$1,100
 Fritiof S. Sjostrand; University of California; \$830
- IRE Symposium on Information Theory and the Symposium on Information et Prevision dans les differentes Sciences, Brussels, Belgium; September 3 to September 8, 1962 and Symposium on Foundation of Mathematics, Mathematical Machines, and Their Applications, Tihany, Hungary; September 11 to September 15, 1962:
 Michael Satoshi Watanabe; Thomas J. Watson Research Center; \$560
- Joint Meeting of the American Psychiatric Association with the Japanese Society of Psychiatry and Neurology, Tokyo, Japan; May 12 to May 19, 1963:
 Daniel G. Freedman; Langley Porter Neurosychiatric Institute; \$800
- Joint Session of the I.G.U. Committee on Applied Geomorphology and the PAIGH Committee on Basic Natural Resources, Merida, Venezuela; July 1963:
 E. Willard Miller; Pennsylvania State University; \$450
- Jubilee Congress of the Australian and New Zealand Association for the Advancement of Science, Sydney, Australia; August 20 to August 24, 1962:
 Donald S. Farnier; Washington State University; \$1,100
- Latin American Congress of Chemistry and Visit to Educational Institutions in Brazil, Chile, Peru and Venezuela; August 19 to September 22, 1962:
 Jose D. Gomez-Ibanez; Wesleyan University; \$1,430
- Mathematical Workshop, Bonn, Germany; June 14 to June 21, 1963:
 Richard S. Palais; Brandeis University; \$600
- Logic Colloquium, Oxford, England; July 15 to July 18, 1963:
 Richard Montague; University of California; \$800

- Mechanisms of Cellular Regulation in Bacteria**, Marseille, France; during July 1963:
Franklin M. Harold; National Jewish Hospital; \$615
Annamaria Torriani-Gorini; Massachusetts Institute of Technology; \$615
- Meeting of Ad Hoc Group B (Ionosphere and Aurora)**, Paris, France; January 1963:
Arthur H. Wayne; Pennsylvania State University; \$570
- Meeting of Human Geneticists**, Cologne, Germany; September 12 to September 14, 1963:
Susumu Ohno; City of Hope Medical Center; \$900
- Meeting of the Committee on Language Information**, Paris, France; June 19 to June 21, 1963:
Charles A. Ferguson; Center of Applied Linguistics; \$557
- Meeting of the International Commission on Illumination**, Vienna, Austria; June 18 to June 26, 1963:
Glenn A. Fry; Ohio State University; \$670
- Meeting of the Polish Mathematical Society**, Warsaw, Poland; May 20 to June 5, 1963:
W. A. J. Luxemburg; California Institute of Technology; \$915
- Meeting on Abstract Differential Equations**, Varenna, Italy; May 30 to June 8, 1963:
Tosio Kato; University of California; \$900
Louis Nirenberg; New York University; \$700
- Meeting with Top Officials of the Japanese Chemical Society**, Tokyo, Japan; July 20 to July 25, 1962:
C. J. Huang; University of Houston; \$1,500
J. J. McKetta; American Institute of Chemical Engineers; \$1,534
Lawrence Resner; American Institute of Chemical Engineers; \$1,646
- NATO Advanced Study Institute: Air/Sea Interaction**, London, England; September 3 to September 14, 1962:
Robert M. Basile; Ohio State University; \$560
Leonard O. Myrup; University of California; \$770
Roger T. Williams; Woods Hole Oceanographic Institute; \$480
- NATO Advanced Study Institute: Animal Production**, Wageningen, The Netherlands; August 26 to September 8, 1962:
Solon A. Ewing; Iowa State University; \$710
Odis W. Robison; North Carolina State College; \$640
- NATO Advanced Study Institute: Applications of Wave Mechanics to Molecular Physics and Chemistry**, Menton, France; July 1 to July 14, 1963:
Frank Franz; University of Illinois; \$396
Judith R. Franz; University of Illinois; \$396
Samson A. Marshall, Jr.; Armour Reserve Foundation; \$629
- NATO Advanced Study Institute: Automatic Documentation**, Venice, Italy; July 7 to July 20, 1963:
Donald J. Hillman; Lehigh University; \$643
- Joseph Jaffe; Columbia University; \$532
- NATO Advanced Study Institute: The Biliary System**, Newcastle-upon-Tyne, England; September 3 to September 14, 1963:
Roger Lester; University of Chicago; \$590
- NATO Advanced Study Institute: Biochemistry and Biophysics in Food Research**, Cambridge, England; September 23 to September 29, 1962:
William D. Brown; University of California; \$800
Keith H. Steinkraus; Cornell University; \$550
John R. Whitaker; University of California; \$770
- NATO Advanced Study Institute: Biometeorology and Epidemiology of Fungal Diseases of Plants**, Pau, France; September 2 to September 13, 1963:
Jean A. Snow; Pennsylvania State University; \$619
Francis A. Wood; Pennsylvania State University; \$574
- NATO Advanced Study Institute: Brain Research**, Amsterdam, Netherlands; July 15 to July 26, 1963:
Karl Kornacker; Massachusetts Institute of Technology; \$550
Theodore J. Voneida; Western Reserve University; \$569
- NATO Advanced Study Institute: Casualty and Dispersion Relations**, Varenna, Italy; July 15 to August 3, 1963:
Max Luming; University of California; \$906
- NATO Advanced Study Institute: Dosimetry**, Varenna, Italy; August 5 to August 17, 1963:
Ralph M. Baltzo; University of Washington; \$794
Phillip E. Gustafson; Argonne National Laboratory; \$670
Dennis R. Johnson; Oak Ridge National Laboratory; \$680
- NATO Advanced Study Institute: Dynamics of Rockets and Satellites**, Cambridge, England; July 14 to July 27, 1963:
David B. Clinton; General Electric Company; \$513
Jerome H. Hutcheson; The RAND Corporation; \$792
Louis N. Rowell; The RAND Corporation; \$792
- NATO Advanced Study Institute: Electron Density Profiles in the Ionosphere and Exosphere**, Skeikampen, Norway; April 17 to April 26, 1963:
Donald D. Briglia; University of California; \$845
Fred L. Smith, III; Stanford University; \$838
- NATO Advanced Study Institute: Elementary Particle Physics**, Newbattle Abbey, Scotland; July 28 to August 17, 1963:
Ronald J. Adler; Stanford University; \$786
Edward S. Ginsberg; Stanford University; \$792
H. Lee Watson; University of California; \$774
- NATO Advanced Study Institute: The Experimental Animal in Research**, Harrogate,

- England; September 9 to September 20, 1963:
 Bennett J. Cohen; University of Michigan; \$573
 Berton F. Hill; National Academy of Sciences—National Research Council; \$566
 Charles W. Riggs; University of California Medical Center, Vilarium; \$786
- NATO Advanced Study Institute: Low Frequency Electromagnetic Radiation, Bad Homburg, Germany; July 22 to August 2, 1963:
 Warren L. Flock; University of Alaska; \$844
 Harold W. Smith; University of Texas; \$776
- NATO Advanced Study Institute: Many Body Problems, Ravello, Italy; April 17 to May 4, 1963:
 Ugo Fano; National Bureau of Standards; \$670
- NATO Advanced Study Institute: Mathematical Logics, Oxford, England; July 15 to July 19, 1963:
 Arthur W. Skidmore; University of Texas; \$669
- NATO Advanced Study Institute: Mathematical Probability, Durham, England; March 28 to April 11, 1963:
 William A. Veech; Princeton University; \$503
 John A. Williamson; University of Minnesota; \$623
- NATO Advanced Study Institute: Metabolism and Physiological Significance of Lipids, Cambridge, England; September 15 to September 21, 1963:
 Harold S. Olcott; University of California; \$800
- NATO Advanced Study Institute: Nuclear Spectroscopy, Breukelen, Netherlands; August 1 to August 16, 1963:
 Charles H. Holbrow; University of Wisconsin; \$625
 Robert L. McGrath; State University of Iowa; \$675
- NATO Advanced Study Institute: Paleoclimatology Conference, Newcastle-upon-Tyne, England; January 7 to January 11, 1963:
 Robert Lee DuBois; University of Arizona; \$850
 David R. Lawrence; Princeton University; \$398
 Heinz A. Lowenstam; California Institute of Technology; \$580
 Matthew H. Nitecki; University of Chicago; \$550
 Frederick E. Simms, Jr.; University of Cincinnati; \$560
 Edward L. Winterer; University of California; \$590
- NATO Advanced Study Institute: Phonons and Phonon Interactions, Aarhus, Denmark; August 12 to August 24, 1963:
 Gerald P. Alldredge; Michigan State University; \$643
 Donald H. Kobe; Ohio State University; \$595
 Carlton W. Ulbrich; University of Connecticut; \$608
- NATO Advanced Study Institute: Plasma Physics, Orsay, France; September 10 to September 21, 1962:
 Leonard S. Wagner; Cornell University; \$530
- NATO Advanced Study Institute: Protein Analysis, Göttingen, Germany; September 2 to September 16, 1962:
 Robert R. Becker; Oak Ridge National Laboratory; \$550
 Laurence M. Weiner; Wayne State University College of Medicine; \$620
- NATO Advanced Study Institute: Radiation Chemistry, Rocamadour, France; April 22 to April 26, 1963:
 J. Douglas Mitchell; University of Notre Dame; \$621
 Richard Povinelli; University of Notre Dame; \$621
- NATO Advanced Study Institute: Relativity and Topology, Les Houches, France; July 1 to August 24, 1963:
 Edward A. Remler; University of North Carolina; \$620
 Jonathan L. Rosner; Princeton University; \$373
 Kip S. Thorne; Princeton University; \$572
 Marvin Weinstein; Columbia University; \$577
- NATO Advanced Study Institute: Semiconductors, Athens, Greece; August 5 to August 29, 1963:
 Robert G. Fuller; University of Illinois; \$900
- NATO Advanced Study Institute: Sound Dispersion, Varenna, Italy; August 6 to August 18, 1962:
 George E. McDuffie, Jr.; Catholic University; \$670
- NATO Advanced Study Institute: Stellar Evolution, Varenna, Italy; August 20 to September 1, 1962:
 Jerome Kristian; University of Chicago; \$680
- NATO Advanced Study Institute: Stratospheric and Mesospheric Circulation held in Berlin from August 20–31, 1962:
 Kenneth H. Jehn; University of Texas; \$760
 Norman K. Wagner; University of Texas; \$800
- NATO Advanced Study Institute: The Structure of Stellar Systems, Ankara, Turkey; August 26 to September 20, 1963:
 William H. Jefferys, III; Yale University; \$800
 David D. Morrison; Harvard College Observatory; \$780
 Gerald H. Newsom; Harvard University; \$827
- NATO Advanced Study Institute: Surface Properties of Crystals, Ghent, Belgium; July 29 to August 9, 1963:
 Gordon W. Anderson; University of Illinois; \$673
 Frederic J. Kahn; Harvard University; \$530
- NATO Advanced Study Institute: Techniques in Endocrine Research, Stratford-upon-Avon, England; September 2 to September 12, 1962:
 Harry N. Antonlades; Protein Foundation, Inc.; \$390
 Phillip F. Mulvey, Jr.; Veterans Administration Hospital; \$400

NATO Advanced Study Institute: Theoretical Chemistry, Konstanz, Germany; September 10 to September 28, 1962; Herbert A. Weakliem; R.C.A. Laboratories; \$570

NATO Advanced Study Institute: Theoretical Physics, Istanbul, Turkey; July 16 to August 4, 1962: Oscar W. Greenberg; University of Maryland; \$390

NATO Advanced Study Institute: Use of Computers in Civil Engineering, Lisbon, Portugal; September 16 to October 6, 1962: Harold W. Conner; Portland Cement Association; \$580
John W. Fisher; Lehigh University; \$510
William R. Hudson; Texas Highway Department; \$700
K. L. Wen; Michigan State University; \$486
Merit P. White; University of Massachusetts; \$510
Edward L. Wilson; University of California; \$810

OECs Seminar on The Reform of the Teaching of Biology to be held in Lausanne, Switzerland; September 3-14, 1962: Marston Bates; University of Michigan; \$900

Organizational Meeting of the International Federation of Parasitologists, Rome, Italy; September 22 to October 6, 1962: American Institute of Biological Sciences; \$1,600

Preparatory Meeting of Experts in Seismology and Earthquake Engineering, Paris, France; March 26-27, 1963: Donald E. Hudson; California Institute of Technology; \$1,100

Research Centers of Population Genetics, Japan and Europe; June to September, 1963: Ken-ichi Kojima; North Carolina State College of Agriculture and Engineering; \$1,500

Session of Janos Bolyai Mathematical Society, Budapest, Hungary; June 3 to June 7, 1963: Paul R. Halmos; University of Michigan; \$775

Special Meeting to Formulate International Gravity Standardization Program, London, England; January 5 to January 8, 1963: George P. Woollard; University of Wisconsin; \$600

Symposium on Abnormal Hemoglobins, Ibadan, Nigeria; March 17 to March 23, 1963: Arno G. Motulsky; University of Washington; \$850

Symposium on Animal Orientation, Munich, Germany; September 17 to September 19, 1962: Helmut E. Adler; American Museum of Natural History; \$570
Archie Carr; University of Florida; \$690
E. Lendell Cockrum; University of Arizona; \$810
Denzel E. Ferguson; Mississippi State University; \$710
James M. Moulton; Bowdoin College; \$440
Alvin Novick; Yale University; \$440

E. G. F. Sauer; University of Florida; \$420
Klaus Schmidt-Koenig; Duke University; \$630

Symposium on Antarctic Biology and Medicine, Paris, France; September 2 to September 8, 1962: Frederick A. Milan; University of Wisconsin; \$650

Symposium on Degeneration and Regeneration of Nervous Tissue, Amsterdam, Netherlands; July 15 to July 19, 1963: Henry de Forest Webster; Massachusetts General Hospital; \$600

Symposium on Disorders of Language, London, England; May 21 to May 23, 1963 and To Visit Laboratories in Cambridge, England, Brussels, Belgium and Paris, France During May and June, 1963: William D. Neff; Bolt, Beranek and Newman, Inc.; \$520

Symposium on Flicker-Physiology, Amsterdam, Netherlands; September 9 to September 14, 1963: Mary A. B. Brazier; University of California Medical Center; \$830
Hermann M. Burlan; State University of Iowa; \$660
Carl Richard Cavonius; Brown University; \$590
Donald H. Kelley; Itek Corporation; \$540

Symposium on Neutron Detection, Dosimetry, and Standardization, Harwell, England; December 10 to December 14, 1962: Ernest D. Klema; Northwestern University; \$575

Symposium on Nucleic Acids, Newcastle upon Tyne, England; April 2 to April 4, 1963: Jon B. Applequist; Columbia University; \$550

Symposium on Partial Differential Equations, Oberwolfach, West Germany; March 18 to March 23, 1963: Charles R. DePrima; New York University; \$700

Symposium on Punched Tape Application in Documentation, Ispra, Italy; May 28 to May 30, 1963: Seymour I. Taine; U.S. Department of Health, Education, and Welfare; \$790

Symposium on Reproduction in Insects, London, England; September, 1963. Richard Dale Alexander; University of Michigan; \$545

Symposium on Sperm Abnormalities, Nervous System Diseases and Genetics, Marseille, France; During June 1963: Klaus Patau; University of Wisconsin; \$700

Symposium on Symbiotic Associations, London, England; April 8 to April 10, 1963: Leonard Muscatine; Scripps Institution of Oceanography; \$790

Symposium on the Biology of Survival, London, England; May 7 to May 8, 1963: Loren Carlson; University of Kentucky; \$400
Laurence Irving; University of Alaska; \$800
Peter Morrison; University of Alaska; \$800

Symposium on the Role of Cellular Reactions in Adaptation of Multicellular Organisms to Environmental Temperature, Leningrad, U.S.S.R.; May 31 to June 5, 1963:

Jacob Levitt; University of Missouri; \$900

Symposium on the Variation of the Regime of Existing Glaciers, Obergurgl, Austria; September 10 to September 20, 1962:

Charles R. Bentley; Geophysical and Polar Research Center; \$712

Task Order for Travel Grants for a Conference on the Basic Mechanisms in the Radiation Chemistry of Aqueous Media Oxygen in the Animal Organism, London, England; September 1 to September 5, 1963:
International Union of Physiological Sciences; \$3,757

The 1963 International Conference on Sector Focused Cyclotrons and Meson Factories, Geneva, Switzerland; April 23 to April 26, 1963:

Donald W. Kerst; University of Wisconsin; \$700

Harry D. Holmgren; University of Maryland; \$650

The Relations Between the Structure and Mechanical Properties of Metals, Teddington, England; January 10 to January 12, 1963:
John P. Hirth; Ohio State University; \$575

The School and Italian Society in Transformation, Milan, Italy; October, 1963:

Harry Levin; Cornell University; \$500

The Solar Spectrum, Utrecht, The Netherlands; August 26 to August 31, 1963:

Alan Maxwell; Harvard University; \$760

Elske v. P. Smith; Joint Institute for Laboratory Astrophysics; \$700

International Astronomical Union, Symposium #22, Tegernsee, Germany; September 2 to September 11, 1963:

Robert F. Howard; Mt. Wilson and Palomar Observatories; \$880

Mukul Ranjan Kundu; Cornell University; \$650

Thermodynamics and Fluid Mechanics Group Convention, Cambridge, England; April 8 to April 9, 1964:

Ascher H. Shapiro; Massachusetts Institute of Technology; \$510

To Study British Methods of Preparing Applied Scientific Papers, London, England; November 1962:

Donald Q. Kern; D. Q. Kern Associates; \$854

Travel of Foreign Participants to the Gordon Research Conference on Scientific Informa-

tion Problems in Research, New Hampton, New Hampshire; July, 1963:

American Institute of Physics; New York, N.Y.; \$4,600

Two Symposia on the Physiology of Reproduction, Singapore and Bombay; February 10 to March 1, 1963:

Seymour Katsch; University of Colorado Medical Center; \$1,300

UNESCO Symposium on Arid Lands, Tashkent, Uzbek S.S.R., U.S.S.R.; August 3 to August 14, 1962:

Harold A. Thomas, Jr.; Harvard University; \$2,210

UNESCO Symposium on Arid Zones, Lucknow, India; December 7 to December 13, 1962:

Francisco Grande; University of Minnesota; \$1,350

Frederick Sargent II; University of Illinois; \$650

Knut Schmidt-Nielsen; Duke University; \$1,240

U.S.-British Conference on New Approaches to the Study of Social Anthropology, Cambridge, England; June 25 to June 30, 1963:
American Anthropological Association, Washington, D.C.; \$5,625

Vernadsky Centennial Jubilee Celebrations, Moscow, U.S.S.R.; March 12 to March 16, 1963:

Elburt F. Osborn; Pennsylvania State University; \$950

Working Party on Materials Science and Technology of the British Institution of Chemical Engineers, Banbury, England; May 18 to May 19, 1963:

Robert L. Sproull; Cornell University; \$534

World Association of Veterinary Anatomists, Hannover, Germany; August 1963:

L. E. St. Clair; University of Illinois; \$665

World Consultation on Forest Genetics, Stockholm, Sweden; August 1963:

J. P. van Buijtenen; Texas Forest Service; \$850

Henry D. Gerhold; Pennsylvania State University; \$690

Jonathan W. Wright; Michigan State University; \$735

Bruce Zobel; North Carolina State College; \$720

World Power Conference, 6th Plenary Meeting, Melbourne, Australia; October 20 to October 26, 1962:

Manson Benedict; Massachusetts Institute of Technology; \$1,385

John A. Duffie; University of Wisconsin; \$1,200