

APPENDIX D

Grants Other Than Research

EDUCATION IN THE SCIENCES

ACADEMIC YEAR INSTITUTES FOR HIGH SCHOOL TEACHERS

ARIZONA STATE UNIVERSITY, Tempe, Ariz.; Alan T. Wager; 11 months; \$274,500
ATLANTA UNIVERSITY, Atlanta, Ga.; K. A. Huggins; 9 months; \$251,400
BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska; 10 months; \$222,900
BRIGHAM YOUNG UNIVERSITY, Provo, Utah; Lane A. Compton; 9 months; \$274,500
BROWN UNIVERSITY, Providence, R.I.; Elmer R. Smith; 12 months; \$300,700
UNIVERSITY OF GEORGIA, Athens, Ga.; Jonathan J. Westfall; 9 months; \$277,400
IOWA STATE TEACHERS COLLEGE, Cedar Falls, Iowa; Robert A. Rogers; 11 months; \$305,700
UNIVERSITY OF KANSAS, Lawrence, Kans.; Lee M. Sonneborn; 9 months; \$252,300
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Houston T. Karnes; 11 months; \$259,800
MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing, Mich.; John Mason; 9 months; \$274,100
UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Leigh C. Anderson; 11 months; \$277,800
UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; Charles Hatfield; 12 months; \$310,000
NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, N. Mex.; El. Gerald Meyer; 11 months; \$304,900
UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; Edwin C. Markham; 10 months; \$294,500
UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Arnold E. Ross; 11 months; \$228,800
OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater, Okla.; James H. Zant; 12 months; \$269,800
OREGON STATE COLLEGE, Corvallis, Ore.; Stanley E. Williamson; 12 months; \$290,300
PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; William H. Powers; 9 months; \$272,800
UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; William E. Arnold; 9 months; \$267,300
UNIVERSITY OF PUERTO RICO, Rio Piedras, P.R.; Mariano Garcia; 9 months; \$110,800
SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; John E. Eagle; 11 months; \$288,400
STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; 9 months; \$278,400
STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion, S. Dak.; Charles M. Vaughn; 11 months; \$312,500

SYRACUSE UNIVERSITY RESEARCH INSTITUTE, Syracuse, N.Y.; Alfred T. Collette; 10 months; \$288,900
UNIVERSITY OF TEXAS, Austin, Tex.; Robbin C. Anderson; 11 months; \$297,400
TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; W. Edward Belton; 9 months; \$260,600
UNIVERSITY OF UTAH, Salt Lake City, Utah; Thomas J. Parmley; 12 months; \$309,300
UNIVERSITY OF VIRGINIA, Charlottesville, Va.; James W. Cole, Jr.; 11 months; \$297,600
WASHINGTON UNIVERSITY, St. Louis, Mo.; E. U. Condon; 9 months; \$278,200
UNIVERSITY OF WISCONSIN, Madison, Wis.; Donald H. Bucklin; 12 months; \$305,800

ACADEMIC YEAR INSTITUTES FOR HIGH SCHOOL AND COLLEGE TEACHERS

HARVARD UNIVERSITY, Cambridge, Mass.; Francis Keppel; 9 months; \$326,500
UNIVERSITY OF ILLINOIS, Urbana, Ill.; Joseph Landin; 12 months; \$299,200
OHIO STATE UNIVERSITY, Columbus, Ohio; John S. Richardson; 9 months; \$311,200

IN-SERVICE INSTITUTES FOR COLLEGE TEACHERS

UNIVERSITY OF OKLAHOMA, Norman, Okla.; Richard V. Andree; 9 months; \$21,015

IN-SERVICE INSTITUTES FOR HIGH SCHOOL TEACHERS

ADELPHI COLLEGE, Garden City, N.Y.; Abe Shentzer; 9 months; \$28,080
UNIVERSITY OF AKRON, Akron, Ohio; Roger F. Keller, Jr.; 9 months; \$5,280
ALABAMA COLLEGE, Montevallo, Ala.; Paul C. Bailey; 9 months; \$13,620
UNIVERSITY OF ALABAMA, University, Ala.; Ralph L. Chermock; 9 months; \$21,690
ALBERTUS MAGNUS COLLEGE, New Haven, Conn.; Florence D. Jacobson; 8 months; \$9,300
ALBRIGHT COLLEGE, Reading, Pa.; Richard J. Kohlmeyer; 9 months; \$4,270
ALFRED UNIVERSITY, Alfred, N.Y.; E. Gordon Ogden; 9 months; \$8,450
AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 9 months; \$20,870
ARIZONA STATE COLLEGE, Flagstaff, Ariz.; Agnes M. Allen; 9 months; \$11,220
ARIZONA STATE UNIVERSITY, Tempe, Ariz.; Ernest E. Snyder; 9 months; \$10,440

UNIVERSITY OF ARIZONA, Tucson, Ariz.; Robert W. Hoshaw; 9 months; \$13,230
 Arthur H. Steimbrenner; 9 months; \$5,880
BALL STATE TEACHERS COLLEGE, Muncie, Ind.; Charles Brumfel; 8 months; \$12,600
BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska; 8 months; \$15,390
BOWDOIN COLLEGE, Brunswick, Maine; Richard L. Chittim; 8 months; \$8,930
BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 9 months; \$12,480
BRIDGEWATER COLLEGE, Bridgewater, Va.; Harry G. M. Jopson; 8 months; \$9,200
BROWN UNIVERSITY, Providence, R.I.; Charles B. MacKay; 9 months; \$5,640
BUCKNELL UNIVERSITY, Lewisburg, Pa.; William K. Smith; 9 months; \$5,680
UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Harriet F. Montague; 9 months; \$7,790
BUTLER UNIVERSITY, Indianapolis, Ind.; Ralph K. Birdwhistell; 9 months; \$17,970
UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Clifford Bell; Los Angeles; 9 months; \$4,070
 Clifford Bell; Los Angeles; 9 months; \$5,060
 Clifford Bell; Los Angeles; 9 months; \$9,000
 Clifford Bell; Los Angeles; 9 months; \$7,970
 Clifford Bell; Los Angeles; 9 months; \$9,580
 Arthur F. Kip; 9 months; \$10,660
CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant, Mich.; Malcolm H. Filson; 9 months; \$10,140
 Lauren G. Woodby; 9 months; \$19,010
CENTRAL STATE COLLEGE, Edmond, Okla.; Earl C. Rice; 9 months; \$5,400
COLLEGE OF THE HOLY CROSS, Worcester, Mass.; Raymond J. Swords; 9 months; \$8,950
COLLEGE OF THE PACIFIC, Stockton, Calif.; Emerson G. Cobb; 9 months; \$7,530
COLLEGE OF ST. CATHERINE, St. Paul, Minn.; Sister Seraphim; 8 months; \$4,900
COLLEGE OF SAINT THOMAS, St. Paul, Minn.; Martin Allen; 8 months; \$20,460
COLORADO COLLEGE, Colorado Springs, Colo.; Wilbur H. Wright; 8 months; \$4,870
COLORADO STATE COLLEGE, Greeley, Colo.; Harley F. Gildden; 6 months; \$7,220
COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; Elmer E. Remmenga; 9 months; \$7,100
UNIVERSITY OF COLORADO, Boulder, Colo.; William E. Briggs; 9 months; \$8,800
 John M. Cleveland; 9 months; \$6,730
UNIVERSITY OF CONNECTICUT, Storrs, Conn.; David J. Bilek; 9 months; \$20,850
DARTMOUTH COLLEGE, Hanover, N.H.; Charles J. Lyon; 6 months; \$4,840
UNIVERSITY OF DELAWARE, Newark, Del.; G. Cuthert Webber; 9 months; \$4,950
DE PAUL UNIVERSITY, Chicago, Ill.; Willis B. Cator; 9 months; \$5,610
UNIVERSITY OF DETROIT, Detroit, Mich.; Lyle E. Mehlenbacher; 10 months; \$13,910
DISTRICT OF COLUMBIA TEACHERS COLLEGE, Washington, D.C.; Daniel B. Lloyd; 9 months; \$8,850
DOMINICAN COLLEGE OF SAN RAFAEL, San Rafael, Calif.; Sister M. Augusta; 8 months; \$6,740
DRAKE UNIVERSITY, Des Moines, Iowa.; Earle L. Canfield; 9 months; \$15,330
DUKE UNIVERSITY, Durham, N.C.; Sherwood Githens, Jr.; 9 months; \$5,720
EAST TEXAS STATE COLLEGE, Commerce, Tex.; Roy N. Jervis; 8 months; \$22,560
 Arthur M. Pullen; 9 months; \$5,750
EASTERN KENTUCKY STATE COLLEGE, Richmond, Ky.; H. H. LaFuze; 9 months; \$14,810
EASTERN MONTANA COLLEGE OF EDUCATION, Billings, Mont.; Oliver W. Peterson; 8 months; \$4,770
EASTERN NAZARENE COLLEGE, Wollaston, Mass.; P. Calvin Maybury; 9 months; \$6,630
EMORY UNIVERSITY, Atlanta, Ga.; Charles T. Lester; 8 months; \$14,620
 Robert H. Rohrer; 9 months; \$5,120
EVANSVILLE COLLEGE, Evansville, Ind.; Clarence W. Buesking; 9 months; \$4,820
FENN COLLEGE, Cleveland, Ohio; Walter R. Van Voorhis; 8 months; \$6,890
FISK UNIVERSITY, Nashville, Tenn.; Edward L. Maxwell; 8 months; \$8,000
FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; J. Stanley Marshall; 9 months; \$37,440
UNIVERSITY OF FLORIDA, Gainesville, Fla.; N. Eldred Bingham; 9 months; \$27,430
FORDHAM UNIVERSITY, New York, N.Y.; Henry F. DeBaggis; 9 months; \$11,370
FURMAN UNIVERSITY, Greenville, S.C.; J. A. Southern; 9 months; \$7,190
GEORGE PEABODY COLLEGE FOR TEACHERS, Nashville, Tenn.; H. Craig Sipe; 9 months; \$4,870
UNIVERSITY OF GEORGIA, Athens, Ga.; Gerald B. Huff; 9 months; \$7,450
UNIVERSITY OF HAWAII, Honolulu, Hawaii; Jimmie B. Smith; 8 months; \$4,930
HOLY NAMES COLLEGE, Spokane, Wash.; Sister M. Eugene Gautreaux; 8 months; \$6,700
UNIVERSITY OF HOUSTON, Houston, Tex.; Martin Wright; 9 months; \$13,080
HOWARD PAYNE COLLEGE, Brownwood, Tex.; Leonard R. Danfel; 9 months; \$5,980
HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; Orval M. Klose; 8 months; \$9,950
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; Haim Reingold; 9 months; \$49,350
INCARNATE WORD COLLEGE, San Antonio, Tex.; Sister Joseph Marie; 9 months; \$9,880
INDIANA CENTRAL COLLEGE, Indianapolis, Ind.; Robert M. Brooker; 9 months; \$7,720
INDIANA STATE TEACHERS COLLEGE, Terre Haute, Ind.; John C. Hook; 8 months; \$7,050
JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; David M. Raup; 9 months; \$7,060
KANSAS STATE COLLEGE OF PITTSBURG, Pittsburg, Kans.; R. G. Smith; 9 months; \$15,100
KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; Ted F. Andrews; 9 months; \$19,800
KENT STATE UNIVERSITY, Kent, Ohio; Kenneth B. Cummins; 9 months; \$7,130
KNOXVILLE COLLEGE, Knoxville, Tenn.; Robert H. Harvey; 8 months; \$16,330
LAKE FOREST COLLEGE, Lake Forest, Ill.; Harold C. Jensen; 9 months; \$5,800
LE MOYNE COLLEGE, Memphis, Tenn.; Marvin L. Head; 9 months; \$9,100
LEWIS AND CLARK COLLEGE, Portland, Oreg.; Elvy Frederickson; 9 months; \$5,870
LONG BEACH STATE COLLEGE FOUNDATION, Long Beach, Calif.; John J. Baird; 9 months; \$11,580

LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Henry G. Jacob, Jr.; 9 months; \$12,400

LOYOLA UNIVERSITY, New Orleans, La.; F. A. Benedetto; 9 months; \$9,610

MANHATTAN COLLEGE, New York, N.Y.; Luke V. Titone; 9 months; \$10,750

Bernard Alfred Welch; 9 months; \$10,870

UNIVERSITY OF MARYLAND, College Park, Md.; Howard Laster; 9 months; \$19,440

MCNEESE STATE COLLEGE, Lake Charles, La.; S. M. Spencer; 9 months; \$5,750

UNIVERSITY OF MIAMI, Coral Gables, Fla.; J. H. Curtiss; 9 months; \$12,230

MISSISSIPPI COLLEGE, Clinton, Miss.; Archie H. Germany; 9 months; \$16,840

MISSISSIPPI STATE UNIVERSITY, State College, Miss.; R. D. Boswell, Jr.; 8 months; \$13,960

MISSOURI BOTANICAL GARDEN, Saint Louis, Mo.; Norton H. Nickerson; 9 months; \$8,560

UNIVERSITY OF MISSOURI, Columbia, Mo.; Harold Q. Fuller; 8 months; \$3,830

MONTCLAIR STATE COLLEGE, Upper Montclair, N.J.; Max A. Soble, 10 months; \$6,150

MOUNT MERCY COLLEGE, Pittsburgh, Pa.; William A. Uricchio; 8 months; \$6,640

MUNICIPAL UNIVERSITY OF OMAHA, Omaha, Nebr.; Merle E. Brooks; 9 months; \$16,850

MURRAY STATE COLLEGE, Murray, Ky.; Alfred Wolfson; 9 months; \$9,780

NEBRASKA WESLEYAN UNIVERSITY, Lincoln, Nebr.; Walter R. French, Jr.; 9 months; \$9,300

UNIVERSITY OF NEBRASKA, Lincoln, Nebr.; James A. Rutledge, University High School; 9 months; \$8,240

UNIVERSITY OF NEVADA, Reno, Nev.; E. M. Beesley; 10 months; \$14,860

NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; Henry Zatzkis; 9 months; \$5,820

UNIVERSITY OF NEW HAMPSHIRE, Durham, N.H.; M. Evans Munroe; 9 months; \$7,720

NEW YORK STATE SOCIETY FOR MEDICAL RESEARCH, INC., New York, N.Y.; Albert S. Kuperman; New York University; 9 months; \$6,100

NEW YORK UNIVERSITY, New York, N.Y.; Morris Kline; 10 months; \$17,340

Morris H. Shamos; 8 months; \$8,890

L. E. Spock; 8 months; \$7,400

NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING, Raleigh, N.C.; H. V. Park; 9 months; \$6,540

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; William A. White; 9 months; \$8,810

NORTHEAST MISSOURI STATE TEACHERS COLLEGE, Kirksville, Mo.; Dean A. Rosebery; 9 months; \$7,930

NORTH TEXAS STATE COLLEGE, Denton, Tex.; Robert C. Sherman; 8 months; \$8,300

NORTHERN MICHIGAN COLLEGE, Marquette, Mich.; Holmes Boynton; 8 months; \$12,500

NORTHLAND COLLEGE, Ashland, Wis.; Jesse M. Caskey; 9 months; \$11,470

Jesse M. Caskey, 9 mos.; \$11,130

NORTHWESTERN STATE COLLEGE, Alva, Okla.; Joe W. Melton; 9 months; \$9,180

NORTHWESTERN UNIVERSITY, Evanston, Ill.; E. H. C. Hildebrandt; 9 months; \$9,100

OHIO STATE UNIVERSITY, Columbus, Ohio, William R. Riley; 9 months; \$7,430

UNIVERSITY OF OKLAHOMA, Norman Okla.; Richard V. Andree; 9 months; \$23,310

OREGON STATE COLLEGE, Corvallis, Ore.; Albert R. Poole; 9 months; \$3,500

UNIVERSITY OF OREGON, Eugene, Ore.; A. F. Moursund; 8 months; \$3,570

PACE COLLEGE, New York, N.Y.; Edward Ritter; 8 months; \$6,280

PAN AMERICAN COLLEGE, Edinburg, Tex.; Sidney S. Draeger; 9 months; \$11,670

PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; William H. Powers; 9 months; \$29,890

UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; J. E. Hazel; 9 months; \$11,760

UNIVERSITY OF PITTSBURGH, Pittsburgh, Pa.; Peter Gray; 8 months; \$7,780

David Halliday; 8 months; \$7,840

John C. Knipp; 8 months; \$8,320

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 9 months; \$18,640

UNIVERSITY OF PUERTO RICO, Rio Piedras, P.R.; Virgilio Biaggi, Jr.; Mayaguez; 9 months; \$18,660

Augusto Bobonis; 9 months; \$1,260

Augusto Bobonis; 1 year; \$250

Augusto Bobonis; 9 months; \$14,400

Juan D. Curet; 9 months; \$12,700

PURDUE UNIVERSITY, Lafayette, Ind.; M. Wiles Keller; 9 months; \$36,400

UNIVERSITY OF REDLANDS, Redlands, Calif.; Paul R. Gleason; 8 months; \$9,460

TEACHERS COLLEGE, COLUMBIA UNIVERSITY, New York, N.Y.; Howard F. Fehr; 8 months; \$8,460

REED COLLEGE, Portland, Ore.; Arthur H. Livermore; 9 months; \$18,340

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany, N.Y.; F. Reese Nevin, College of Education at Plattsburgh; 10 months; \$9,790

RICKS COLLEGE, Rexburg, Idaho; Merle R. Fisher; 8 months; \$7,100

UNIVERSITY OF ROCHESTER, Rochester, N.Y.; John J. Montean; 8 months; \$6,330

John J. Montean; 8 months; \$6,320

John J. Montean; 8 months; \$6,610

ROCKHURST COLLEGE, Kansas City, Mo.; William C. Doyle; 9 months; \$5,800

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Emory P. Starke; 9 months; \$11,670

Emory P. Starke; 9 months; \$14,070

Emory P. Starke; 9 months; \$800

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; H. Stewart Moredock; 9 months; \$20,880

ST. LOUIS UNIVERSITY, Saint Louis, Mo.; John J. Andrews; 9 months; \$3,370

ST. PETER'S COLLEGE, Jersey City, N.J.; Frank J. McMaekin; 9 months; \$9,450

UNIVERSITY OF SAN FRANCISCO, San Francisco, Calif.; Edward J. Farrell; 9 months; \$6,430

SAN JOSE STATE COLLEGE, San Jose, Calif.; Max Kramer; 9 months; \$12,950

Laurence E. Wilson; 9 months; \$5,550

UNIVERSITY OF SANTA CLARA, Santa Clara, Calif.; Irving Sussman; 9 months; \$23,800

SARAH LAWRENCE COLLEGE, Bronxville, N.Y.; Edward J. Cogan; 8 months; \$1,000

Edward J. Cogan; 8 months; \$17,960

UNIVERSITY OF SCRANTON, Scranton, Pa.; Joseph A. Rock, S.J.; 9 months; \$5,590

Joseph A. Rock, S.J.; 9 months; \$3,950

SHORTER COLLEGE, Rome, Ga.; Emma Lewis Lipps; 9 months; \$16,650

SMITH COLLEGE, Northampton, Mass.; Kenneth W. Sherk; 9 months; \$30,150

SOUTH CAROLINA STATE COLLEGE, Orange-

burg, S.C.; George W. Hunter; 9 months; \$30,470
 UNIVERSITY OF SOUTH CAROLINA, Columbia, S.C.; A. P. French; 9 months; \$14,570
 SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 9 months; \$5,120
 Ernest Sturch, Jr.; 9 months; \$3,950
 SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Russell M. Ampey; 9 months; \$14,040
 SOUTHWESTERN LOUISIANA INSTITUTE, Lafayette, La.; James R. Oliver; 9 months; \$25,390
 STATE TEACHERS COLLEGE, Salem, Mass.; Thomas I. Ryan; 8 months; \$12,030
 STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion, S. Dak.; Theodore L. Reid; 9 months; \$20,800
 STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 9 months; \$17,700
 TEMPLE UNIVERSITY, Philadelphia, Pa.; Leonard Muldewer; 9 months; \$15,300
 TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville, Tenn.; William N. Jackson; 9 months; \$17,620
 TEXAS WOMAN'S UNIVERSITY, Denton, Tex.; Harold T. Baker; 9 months; \$3,300
 UNIVERSITY OF TEXAS, Austin, Tex.; E. J. Knapp, Texas Western College of the University of Texas, El Paso; 9 months; \$5,500
 UNIVERSITY OF TOLEDO, Toledo, Ohio; Archie N. Solberg; 9 months; \$12,210
 TOUGALOO SOUTHERN CHRISTIAN COLLEGE, Tougaloo, Miss.; A. A. Branch; 8 months; \$16,300
 UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; C. W. Graves; 8 months; \$14,200
 UNION UNIVERSITY, Jackson, Tenn.; Ralph T. Donnell; 9 months; \$3,930
 UTAH STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Logan, Utah; Joe Ellich; 9 months; \$10,080
 John K. Wood; 9 months; \$7,080
 UNIVERSITY OF UTAH, Salt Lake City, Utah; E. Allan Davis; 9 months; \$7,670
 UNIVERSITY OF VIRGINIA, Charlottesville, Va.; William C. Lowry; 9 months; \$13,680
 WAKE FOREST COLLEGE, Winston-Salem, N.C.; Ben M. Seelbinder; 9 months; \$6,380
 UNIVERSITY OF WASHINGTON, Seattle, Wash.; Arthur D. Welander; 8 months; \$1,200
 WAYNE STATE UNIVERSITY, Detroit, Mich.; Karl W. Polley; 8 months; \$11,190
 William V. Mayer; 8 months; \$8,620
 WEST VIRGINIA UNIVERSITY, Morgantown, W. Va.; I. Dee Peters; 9 months; \$4,440
 WESTERN KENTUCKY STATE COLLEGE, Bowling Green, Ky.; Ward C. Sumpter; 9 months; \$12,580
 WESTERN MICHIGAN UNIVERSITY, Kalamazoo, Mich.; George G. Mallinson; 9 months; \$12,400
 WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Stefan Machlup; 9 months; \$9,120
 WESTERN WASHINGTON COLLEGE OF EDUCATION, Bellingham, Wash.; Marie B. Pabst; 8 months; \$8,870
 WILKES COLLEGE, Wilkes-Barre, Pa.; Thomas R. Richards; 9 months; \$4,630
 WILLIAM JEWELL COLLEGE, Liberty, Mo.; Wallace A. Hilton; 9 months; \$11,400
 WISCONSIN STATE COLLEGE, Eau Claire, Wis.; Lawrence F. Wahlstrom; 9 months; \$12,040
 WOMAN'S COLLEGE OF THE UNIVERSITY OF

NORTH CAROLINA, Greensboro, N.C.; Hollis J. Rogers; 9 months; \$21,590
 WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; Richard F. Morton; 9 months; \$9,270
 YALE UNIVERSITY, New Haven, Conn.; Sturt R. Brinkley; 8 months; \$14,510
 YESHIVA UNIVERSITY, New York, N.Y.; A. Gelbart; 9 months; \$49,960
 YOUNGSTOWN UNIVERSITY, Youngstown, Ohio; Clair L. Worley; 9 months; \$7,620

IN-SERVICE INSTITUTES FOR ELEMENTARY SCHOOL TEACHERS AND ADMINISTRATORS

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Franklyn M. Branley; 5 months; \$2,710
 UNIVERSITY OF ARIZONA, Tucson, Ariz.; Arthur H. Steinbrenner; 9 months; \$5,530
 BEMIDJI STATE COLLEGE, Bemidji, Minn.; Richard E. Beltzel; 9 months; \$5,250
 EAST TEXAS STATE COLLEGE, Commerce, Tex.; Roy N. Jervis; 9 months; \$5,830
 IOWA STATE TEACHERS COLLEGE, Cedar Falls, Iowa; Flenadine Gibb; 7 months; \$5,200
 KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; Ted F. Andrews; 9 months; \$6,520
 MILLERSVILLE STATE COLLEGE, Millersville, Pa.; William B. McIlwaine; 9 months; \$5,360
 NORTHERN ILLINOIS UNIVERSITY, De Kalb, Ill.; Eugene W. Hellmich; 9 months; \$5,650
 NORTHWESTERN UNIVERSITY, Evanston, Ill.; E. H. C. Hildebrandt; 8 months; \$8,610
 OREGON STATE COLLEGE, Corvallis, Ore.; Albert L. Leeland; 9 months; \$5,750
 SAINT JOSEPH COLLEGE, West Hartford, Conn.; Sister Maria Clare Markham; 9 months; \$5,480
 SAN JOSE STATE COLLEGE CORPORATION, San Jose, Calif.; John L. Marks; 9 months; \$6,100
 TEXAS WOMAN'S UNIVERSITY, Denton, Tex.; Dixie Young; 9 months; \$6,000

SUMMER INSTITUTES FOR COLLEGE TEACHERS

AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 6 weeks; \$45,350
 ARIZONA STATE UNIVERSITY, Tempe, Ariz.; Gordon L. Bender; 6 weeks; \$39,700
 BUCKNELL UNIVERSITY, Lewisburg, Pa.; Charles Hestin Coder, Jr.; 6 weeks; \$44,000
 UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; John W. Green; Los Angeles; 8 weeks; \$66,300
 George Jura; 7 weeks; \$22,600
 CLEMSON COLLEGE, Clemson, S.C.; Robert W. Moorman; 8 weeks; \$53,500
 COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; Milton E. Bender; 10 weeks; \$63,800
 UNIVERSITY OF COLORADO, Boulder, Colo.; Robert W. Pennak; 6 weeks; \$44,900
 EMORY UNIVERSITY, Atlanta, Ga.; William H. Jones; 9 weeks; \$43,680
 UNIVERSITY OF FLORIDA, Gainesville, Fla.; Herbert A. Meyer; 6 weeks; \$50,100
 FORT LEWIS AGRICULTURAL AND MECHANICAL COLLEGE, Durango, Colo.; Herbert D. Hart; 5 weeks; \$35,900
 INDIANA UNIVERSITY, Bloomington, Ind.; Wayne R. Lowell; 6 weeks; \$31,400

IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames, Iowa; Glenn Murphy; 6 weeks; \$46,400

KANSAS STATE COLLEGE OF PITTSBURG, Pittsburg, Kans.; Leon C. Heckert; 8 weeks; \$51,500

LOUISIANA POLYTECHNIC INSTITUTE, Ruston, La.; Melvin A. Nobles; 9 weeks; \$36,900

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; Gordon L. Brownell; 6 weeks; \$29,000

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Melvin Levine; 8 weeks; \$19,800

NEW YORK UNIVERSITY, New York, N.Y.; Joseph D. Gettler; 8 weeks; \$51,700

NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING, Raleigh, N.C.; H. F. Robinson; 6 weeks; \$41,400

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; H. D. Crockford; 6 weeks; \$56,400

OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, Oak Ridge, Tenn.; Ralph T. Overman; 4 and 6 weeks; \$20,600

OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater, Okla.; Jan T. Tuma; 9 weeks; \$46,300

OREGON STATE COLLEGE, Corvallis, Oreg.; Howard H. Hilleman; 8 weeks; \$67,000

Albert V. Logan; 6 weeks; \$48,800

UNIVERSITY OF OREGON, Eugene, Oreg.; Richard C. Castenholz; 8 weeks; \$36,100

REED COLLEGE, Portland, Oreg.; Kenneth E. Davis; 6 weeks; \$50,950

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; A. A. K. Booth; 4 weeks; \$19,300

A. A. K. Booth; 4 weeks; \$19,200

SAN JOSE STATE COLLEGE CORPORATION, San Jose, Calif.; W. H. Myers; 6 weeks; \$47,700

STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; 6 weeks; \$52,200

STATE UNIVERSITY OF IOWA, Iowa City, Iowa; Titus Carr Evans; 8 weeks; \$19,000

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 6 weeks; \$39,900

SYRACUSE UNIVERSITY, Syracuse, N.Y.; Marshall W. Jennison; 6 weeks; \$14,500

UNIVERSITY OF TENNESSEE, Knoxville, Tenn.; George K. Schweitzer; 4 weeks; \$29,000

TULANE UNIVERSITY OF LOUISIANA, New Orleans, La.; John K. Hampton, Jr.; 8 weeks; \$19,200

UNIVERSITY OF WISCONSIN, Madison, Wis.; H. Van Engen; 8 weeks; \$44,700

SUMMER INSTITUTES FOR TECHNICAL INSTITUTE TEACHERS

UNIVERSITY OF HOUSTON, Houston, Tex.; Herbert H. Curry; 8 weeks; \$51,200

OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater, Okla.; High Lineback; 8 weeks; \$49,700

SUMMER INSTITUTES FOR HIGH SCHOOL AND COLLEGE TEACHERS

BROWN UNIVERSITY, Providence, R.I.; Lealyn B. Clapp; 6 weeks; \$39,400

UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Edward L. Triplett; 6 weeks; \$36,850

CLARK UNIVERSITY, Worcester, Mass.; Charles T. Bumer; 6 weeks; \$54,900

COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.; Melvin A. Pittman; 8 weeks; \$97,200

COLORADO COLLEGE, Colorado Springs, Colo.; Richard G. Beidleman; 8 weeks; \$77,900

COLORADO STATE UNIVERSITY, Fort Collins, Colo.; John J. Faris; 8 weeks; \$94,000

FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; Charles W. Edgington; 8 weeks; \$19,000

UNIVERSITY OF HAWAII, Honolulu, Hawaii; Sidney C. Hsiao; 6 weeks; \$13,050

UNIVERSITY OF KANSAS, Lawrence, Kans.; Russell N. Bradt; 8 weeks; \$101,875

KENYON COLLEGE, Gambier, Ohio; Eric S. Graham; 7 weeks; \$41,600

MICHIGAN STATE UNIVERSITY, East Lansing, Mich.; Wayne Taylor; 11 weeks; \$151,700

MISSISSIPPI STATE UNIVERSITY, State College, Miss.; Clyde Quitman Sheely; 11 weeks; \$146,600

UNIVERSITY OF MISSISSIPPI, University, Miss.; George Vaughan; 10 weeks; \$137,800

NEBRASKA WESLEYAN UNIVERSITY, Lincoln, Nebr.; Walter R. French, Jr.; 8 weeks; \$62,500

OREGON STATE COLLEGE, Corvallis, Oreg.; Albert R. Poole; 8 weeks; \$61,500

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE, Philadelphia, Pa.; Arthur Osol; 6 weeks; \$27,300

PRINCETON UNIVERSITY, Princeton, N.J.; J. G. Bradshaw; 6 weeks; \$39,500

J. G. Bradshaw; 6 days; \$39,100

REED COLLEGE, Portland, Oreg.; Arthur H. Livermore; 6 weeks; \$38,000

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Emory P. Starke; 6 weeks; \$82,100

UNIVERSITY OF SOUTH CAROLINA, Columbia, S.C.; W. L. Williams; 8 weeks; \$82,825

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, Calif.; D. Victor Steed; 6 weeks; \$44,900

TEMPLE UNIVERSITY, Philadelphia, Pa.; Elmer L. Offenbacher; 8 weeks; \$86,000

UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE, Burlington, Vt.; N. James Schoonmaker; 7 weeks; \$68,600

UNIVERSITY OF WASHINGTON, Seattle, Wash.; Arthur D. Welander; 8 weeks; \$40,800

SUMMER INSTITUTES FOR HIGH SCHOOL TEACHERS

ADELPHI COLLEGE, Garden City, N.Y.; Howard A. Robinson; 6 weeks; \$86,450

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro, N.C.; Gerald A. Edwards; 6 weeks; \$58,800

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station, Tex.; Coleman M. Loyd; 12 weeks; \$1,200

ALABAMA COLLEGE, Montevallo, Ala.; Paul C. Bailey; 6 weeks; \$55,000

UNIVERSITY OF ALABAMA, University, Ala.; Charles K. Arey; 11 weeks; \$39,400

Charles K. Arey; 11 weeks; \$73,500

UNIVERSITY OF ALASKA, College, Alaska; William R. Cashen; 8 weeks; \$67,400

ALBANY STATE COLLEGE, Albany, Ga.; Alexander A. Hall; 6 weeks; \$46,200

ALLEGHENY COLLEGE, Meadville, Pa.; Robert E. Bugbee; 7 weeks; \$67,000

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; C. Bruce Hunter; 4 weeks; \$14,100
AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 8 weeks; \$65,100
ANTIOCH COLLEGE, Yellow Springs, Ohio; James F. Corwin; 8 weeks; \$86,600
APPALACHIAN STATE TEACHERS COLLEGE, Boone, N.C.; I. W. Carpenter, Jr.; 6 weeks; \$43,100
ARIZONA STATE COLLEGE, Flagstaff, Ariz.; Agnes M. Allen; 8 weeks; \$59,200
UNIVERSITY OF ARIZONA, Tucson, Ariz.; Millard G. Seeley; 8 weeks; \$78,700
 Arthur H. Steinbrenner; 8 weeks; \$56,600
ARIZONA STATE UNIVERSITY, Tempe, Ariz.; Alan T. Wager; 8 weeks; \$70,100
UNIVERSITY OF ARKANSAS, Fayetteville, Ark.; Billy J. Attebery; 6 weeks; \$38,900
 Lowell F. Bailey; 6 weeks; \$58,200
UNIVERSITY OF ARKANSAS MEDICAL CENTER, Little Rock, Ark.; Horace N. Marvin; 7 weeks; \$17,000
ATLANTA UNIVERSITY, Atlanta, Ga.; K. A. Huggins; 9 weeks; \$64,500
AUBURN UNIVERSITY, Auburn, Ala.; Ernest Williams; 10½ weeks; \$123,500
BALL STATE TEACHERS COLLEGE, Muncie, Ind.; Charles Brumfiel; 10 weeks; \$80,600
 Jerry J. Nisbet; 10 weeks; \$81,100
BENEDICT COLLEGE, Columbia, S.C.; T. J. Hanberry; 6 weeks; \$51,400
BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Wiley S. Rogers; 8 weeks; \$71,000
BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska, S.J.; 6 weeks; \$52,625
 Stanley J. Bezuska, S.J.; 6 weeks; \$61,500
BOSTON UNIVERSITY, Boston, Mass.; George P. Fulton; 6 weeks; \$54,450
BOWDOIN COLLEGE, Brunswick, Maine; Samuel E. Kamerling; 6 weeks; \$36,400
 Reinhard L. Korgen; 6 weeks; \$60,550
 Noel C. Little; 6 weeks; \$14,500
BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; Bruce R. Vogell; 5 weeks; \$41,200
BRADLEY UNIVERSITY, Peoria, Ill.; A. Wayne McGaughey; 6 weeks; \$41,700
BRIGHAM YOUNG UNIVERSITY, Provo, Utah; Lane A. Compton, Eyring Science Center; 8 weeks; \$19,000
 L. Edwin Hirschi, Stewart School; 7 weeks; \$33,200
 Reed M. Izatt; 8 weeks; \$43,800
BROWN UNIVERSITY, Providence, R.I.; Elmer R. Smith; 6 weeks; \$58,800
 Elmer R. Smith; 6 weeks; \$61,400
BUCKNELL UNIVERSITY, Lewisburg, Pa.; Lester Kleff; 6 weeks; \$62,500
UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Harriet F. Montague; 6 weeks; \$47,300
UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; F. E. Blacet; Los Angeles; 6 weeks; \$93,100
 Raymond L. Libby; Los Angeles; 6 weeks; \$14,500
 Robert A. Rice; 7 weeks; \$92,800
 Edward D. Roessler; Davis; 8 weeks; \$101,900
 Martinus Van Waynen; 8 weeks; \$101,500
CARLETON COLLEGE, Northfield, Minn.; Robert T. Mathews; 6 weeks; \$45,500
 Arild J. Miller; 6 weeks; \$47,200
 Frank L. Wolf; 6 weeks; \$48,300
CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Paul E. Guenther; 6 weeks; \$52,300
CATHOLIC UNIVERSITY OF PUERTO RICO, Santa Maria, P.R.; Joseph W. Stander; 6 weeks; \$33,800
CENTRAL CONNECTICUT STATE COLLEGE, New Britain, Conn.; Kenneth G. Fuller; 6 weeks; \$48,400
CENTRAL MICHIGAN UNIVERSITY, Mt. Pleasant, Mich.; Lester H. Serler; 6 weeks; \$50,300
 Lester H. Serler; 6 weeks; \$49,800
CENTRAL MISSOURI STATE COLLEGE, Warrensburg, Mo.; Sam P. Hewitt; 8 weeks; \$72,800
UNIVERSITY OF CHATTANOOGA, Chattanooga, Tenn.; J. Horace Coulliette; 7 weeks; \$69,300
CHICO STATE COLLEGE FOUNDATION, Chico, Calif.; Robbins S. King; 6 weeks; \$61,600
CLAFLIN COLLEGE, Orangeburg, S.C.; Hampton D. Smith, Sr.; 9 weeks; \$76,800
CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; F. Gordon Lindsey; 8 weeks; \$78,200
CLEMSON COLLEGE, Clemson, S.C.; Floyd I. Brownley, Jr.; 6 weeks; \$58,300
COLBY COLLEGE, Waterville, Maine; Evans B. Reid; 6 weeks; \$79,900
COLGATE UNIVERSITY, Hamilton, N.Y.; Carl Munshower; 6 weeks; \$47,900
 Carl Munshower; 6 weeks; \$48,500
 Oran B. Stanley; 6 weeks; \$58,600
COLLEGE OF THE HOLY CROSS, Worcester, Mass.; Raymond J. Swords, S.J.; 6 weeks; \$55,300
COLLEGE OF THE PACIFIC, Stockton, Calif.; Herschel Frye; 10 weeks; \$75,100
COLORADO STATE COLLEGE, Greeley, Colo.; John A. Beel; 8 weeks; \$62,900
UNIVERSITY OF COLORADO, Boulder, Colo.; Charles R. Bitter; 7 weeks; \$46,800
 John M. Cleveland; 8 weeks; \$53,900
 Newell Younggren; 6 weeks; \$47,200
COLUMBIA COLLEGE, Columbia, S.C.; Phillip E. Graef; 8 weeks; \$61,600
UNIVERSITY OF CONNECTICUT, Storrs, Conn.; David J. Bilck; 6 weeks; \$79,400
CONVERSE COLLEGE, Spartansburg, S.C.; Walter James Wyatt; 8 weeks; \$76,900
CORNELL UNIVERSITY, Ithaca, N.Y.; R. William Shaw; 6 weeks; \$54,200
DARTMOUTH COLLEGE, Hanover, N.H.; Richard S. Pieters; 8 weeks; \$75,525
UNIVERSITY OF DELAWARE, Newark, Del.; John A. Brown; 8 weeks; \$37,000
UNIVERSITY OF DENVER, Denver, Colo.; Earl A. Engle; 9 weeks; \$74,900
DEPAUL UNIVERSITY, Chicago, Ill.; Willis B. Caton; 6 weeks; \$25,200
DEPAUW UNIVERSITY, Greencastle, Ind.; Donald J. Cook; 6 weeks; \$44,100
UNIVERSITY OF DETROIT, Detroit, Mich.; Everette L. Henderson; 6 weeks; \$54,200
 Lyle E. Mehlenbacher; 6 weeks; \$41,000
DRAKE UNIVERSITY, Des Moines, Iowa; B. E. Gillam; 6 weeks; \$46,500
DUKE UNIVERSITY, Durham, N.C.; Lewis E. Anderson; 9 weeks; \$115,400
 Donald J. Fluke; 8 weeks; \$19,000
 Thomas D. Reynolds; 9 weeks; \$134,000
EASTERN ILLINOIS UNIVERSITY, Charleston, Ill.; Weldon N. Baker; 8 weeks; \$76,400
EASTERN MICHIGAN UNIVERSITY, Ypsilanti, Mich.; James M. Barnes; 6 weeks; \$60,200
EASTERN NEW MEXICO UNIVERSITY, Portales, N. Mex.; Ruth B. Thomas; 8 weeks; \$61,300
EAST TENNESSEE STATE COLLEGE, Johnson City, Tenn.; Douglas G. Nicholson; 8 weeks; \$73,300

EAST TEXAS STATE COLLEGE, Commerce, Tex.; Roy N. Jervls; 6 weeks; \$33,300
EMMANUEL MISSIONARY COLLEGE, Berrien Springs, Mich.; Harold T. Jones; 8 weeks; \$42,200
EMORY UNIVERSITY, Atlanta, Ga.; Trevor Evans; 7 weeks; \$39,400
FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; Dwight B. Goodner; 8 weeks; \$51,300
 Dwight B. Goodner; 8 weeks; \$55,200
UNIVERSITY OF FLORIDA, Gainesville, Fla.; N. E. Bingham; 8 weeks; \$110,700
FORDHAM UNIVERSITY, New York, N.Y.; Frederick L. Canavan, S.J.; 6 weeks; \$49,800
 Henry F. DeBaggis; 6 weeks; \$49,600
 Henry F. DeBaggis; 6 weeks; \$49,600
FORT HAYS KANSAS STATE COLLEGE, Hays, Kans.; W. Toalson; 8 weeks; \$45,600
FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; Bernard Jacobson; 6 weeks; \$29,800
 John H. Moss; 8 weeks; \$40,800
 Richard I. Weller; 6 weeks; \$23,900
GEORGE PEABODY COLLEGE FOR TEACHERS, Nashville, Tenn.; H. Craig Sipe; 10 weeks; \$129,300
GEORGETOWN UNIVERSITY, Washington, D.C.; Malcolm W. Oliphant; 8 weeks; \$50,000
GEORGE WASHINGTON CARVER FOUNDATION OF TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; James H. M. Henderson; 8 weeks; \$19,000
GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; David Nelson; 8 weeks; \$49,300
UNIVERSITY OF GEORGIA, Athens, Ga.; T. H. Whitehead; 6 weeks; \$48,600
 T. H. Whitehead; 9 weeks; \$60,100
 T. H. Whitehead; 9 weeks; \$68,700
GRAMBLING COLLEGE, Grambling, La.; Archie L. Lacey; 8 weeks; \$44,500
HAMILTON COLLEGE, Clinton, N.Y.; Brewster H. Gere; 6 weeks; \$47,600
UNIVERSITY OF HAWAII, Honolulu, Hawaii; Albert J. Bernatowicz; 6 weeks; \$71,000
HOPE COLLEGE, Holland, Mich.; Jay Folkert; 6 weeks; \$38,900
HOWARD PAYNE COLLEGE, Brownwood, Tex.; Leonard R. Daniel; 6 weeks; \$48,400
HOWARD UNIVERSITY, Washington, D.C.; Marie C. Taylor; 8 weeks; \$49,400
HUMBOLDT STATE COLLEGE, Arcata, Calif.; E. Charles Parke; 6 weeks; \$60,700
HUNTER COLLEGE OF THE CITY OF NEW YORK, New York, N.Y.; Jewell Hughes Bushey; 6 weeks; \$47,400
UNIVERSITY OF IDAHO, Moscow, Idaho; K. A. Bush; 8 weeks; \$41,400
 Edgar H. Grahn; 8 weeks; \$74,200
 Edgar H. Grahn; 8 weeks; \$94,200
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; Halm Reingold; 8 weeks; \$101,200
ILLINOIS STATE NORMAL UNIVERSITY, Normal, Ill.; Clyde T. McCormick; 8 weeks; \$30,700
ILLINOIS WESLEYAN UNIVERSITY, Bloomington, Ill.; Wayne W. Wantland; 8 weeks; \$70,700
UNIVERSITY OF ILLINOIS, Urbana, Ill.; Max Beberman; 8 weeks; \$31,700
 Roger K. Brown; 8 weeks; \$61,500
 Peter E. Yankwich; 8 weeks; \$36,200
INDIANA STATE TEACHERS COLLEGE, Terre Haute, Ind.; John C. Hook; 10 weeks; \$87,100
INDIANA UNIVERSITY, Bloomington, Ind.; Robert B. Fischer; 8 weeks; \$50,900
 Shelby D. Gerking; 6 weeks; \$38,300
 L. S. McClung; 4 weeks; \$21,600
 Marie S. Wilcox; Thomas Carr Howe High School; 6 weeks; \$50,500

INTERAMERICAN UNIVERSITY OF PUERTO RICO, San German, P.R.; Ismael Velez; 7 weeks; \$49,200
IOWA STATE TEACHERS COLLEGE, Cedar Falls, Iowa; Irvin Brune; 8 weeks; \$69,600
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames, Iowa; J. J. L. Hinrichsen; 6 weeks; \$39,200
 Orlando C. Kreider; 6 weeks; \$90,900
JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; William Kelso Morrill, Sr.; 6 weeks; \$47,300
KANSAS STATE COLLEGE OF PITTSBURG, Pittsburg, Kans.; R. G. Smith; 8 weeks; \$63,200
KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; Otto M. Smith; 12 weeks; \$201,500
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Manhattan, Kans.; J. R. Chelikowsky; 8 weeks; \$54,900
 Leonard E. Fuller; 8 weeks; \$88,700
UNIVERSITY OF KANSAS, Lawrence, Kans.; Edward L. Shaw; 8 weeks; \$19,800
KENT STATE UNIVERSITY, Kent, Ohio; Kenneth B. Cummins; 8 weeks; \$66,200
KNOX COLLEGE, Galesburg, Ill.; Herbert Priestley; 6 weeks; \$51,200
 Rothwell Stephens; 6 weeks; \$50,700
LAFAYETTE COLLEGE, Easton, Pa.; Fred V. Roeder; 6 weeks; \$62,800
LEHIGH UNIVERSITY, Bethlehem, Pa.; H. R. Gault; 6 weeks; \$37,200
LONGWOOD COLLEGE, Farmville, Va.; Blanche C. Badger; 4 weeks; \$16,500
LOUISIANA POLYTECHNIC INSTITUTE, Ruston, La.; John A. Moore; 9 weeks; \$69,100
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Hulen B. Williams; 9 weeks; \$54,200
 Hulen B. Williams; 9 weeks; \$72,100
LOYOLA UNIVERSITY OF LOS ANGELES, Los Angeles, Calif.; Berthold R. Wicker; 6 weeks; \$35,900
MACALESTER COLLEGE, Saint Paul, Minn.; Russell B. Hastings; 8 weeks; \$72,100
UNIVERSITY OF MAINE, Orono, Maine; S. H. Kimball; 6 weeks; \$48,100
MARQUETTE UNIVERSITY, Milwaukee, Wis.; Clarence F. Dineen; 6 weeks; \$36,900
 L. J. Heider; 6 weeks; \$34,700
MARSHALL FOUNDATION, INC., Huntington, W. Va.; Donald C. Martin; 11 weeks; \$76,700
 Donald C. Martin; 11 weeks; \$77,800
UNIVERSITY OF MARYLAND, College Park, Md.; Joshua R. C. Brown; 7 weeks; \$83,800
 Joshua R. C. Brown; 7 weeks; \$84,625
 Richard A. Good; 6 weeks; \$33,800
MEMPHIS STATE UNIVERSITY, Memphis, Tenn.; J. W. Fox; 8 weeks; \$66,800
 H. S. Kaltenborn; 8 weeks; \$61,400
MIAMI UNIVERSITY, Oxford, Ohio; Bruce V. Weldner; 8 weeks; \$66,200
MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton, Mich.; Donald G. Yerg; 8 weeks; \$48,800
UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Frank R. Bellaire; 6 weeks; \$43,100
MIDDLE TENNESSEE STATE COLLEGE, Murfreesboro, Tenn.; J. Eldred Wiser; 11 weeks; \$86,900
UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; William H. Marshall; 5 weeks; \$20,400
 Francis A. Spurrell; 6 weeks; \$14,500
 Frank Verbrugge; 8 weeks; \$105,960
MISSISSIPPI SOUTHERN COLLEGE, Hattiesburg, Miss.; B. O. Van Hook; 9 weeks; \$103,200

UNIVERSITY OF MISSOURI, Columbia, Mo.;
 R. F. Brooks; 8 weeks; \$62,500
 Paul B. Burcham; 8 weeks; \$50,200
 Paul B. Burcham; 8 weeks; \$49,300
 Harold Q. Fuller; Rolla; 8 weeks; \$93,200
 Louis V. Holroyd; 8 weeks; \$62,600
 MONTANA STATE COLLEGE, Bozeman, Mont.;
 L. O. Binder, Jr.; 5 weeks; \$53,400
 MONTANA STATE UNIVERSITY, Missoula,
 Mont.; LeRoy H. Harvey; 8 weeks; \$14,400
 Frederick H. Young; 10 weeks; \$53,300
 MONTCLAIR STATE COLLEGE, Upper Montclair,
 N.J.; Max A. Sobel; 6 weeks; \$73,500
 MOREHEAD STATE COLLEGE, Morehead, Ky.;
 William B. Owsley; 8 weeks; \$61,200
 MORGAN STATE COLLEGE, Baltimore, Md.;
 Thomas P. Fraser; 6 weeks; \$55,100
 MURRAY STATE COLLEGE FOUNDATION, Mur-
 ray, Ky.; Alfred Wolfson; Murray State
 College; 8 weeks; \$80,900
 UNIVERSITY OF NEBRASKA, Lincoln, Nebr.;
 John R. DeMuth; 8 weeks; \$89,300
 UNIVERSITY OF NEVADA, Reno, Nev.; George
 Barnes; 8 weeks; \$66,100
 UNIVERSITY OF NEW HAMPSHIRE, Durham,
 N.H.; Harold A. Iddles; 8 weeks; \$83,500
 Harold A. Iddles; 8 weeks; \$85,100
 M. Evans Munroe; 8 weeks; \$61,600
 NEW MEXICO COLLEGE OF AGRICULTURE AND
 MECHANIC ARTS, University Park, N.
 Mex.; E. L. Cleveland; 8 weeks; \$115,900
 NEW MEXICO HIGHLANDS UNIVERSITY, Las
 Vegas, N. Mex.; James P. Zietlow; 8 weeks;
 \$59,300
 UNIVERSITY OF NEW MEXICO, Albuquerque,
 N. Mex.; Frank C. Gentry; 8 weeks; \$62,200
 Loren D. Potter; 9 weeks; \$21,300
 UNIVERSITY OF NORTH CAROLINA, Chapel
 Hill, N.C.; Edward A. Cameron; 6 weeks;
 \$104,100
 Victor A. Greulich; 6 weeks; \$88,400
 NORTH DAKOTA STATE COLLEGE, Fargo, N.
 Dak.; F. L. Minnear; 8 weeks; \$93,700
 UNIVERSITY OF NORTH DAKOTA, Grand Forks,
 N. Dak.; J. Donald Henderson; 8 weeks;
 \$80,400
 NORTH TEXAS STATE COLLEGE, Denton, Tex.;
 Robert C. Sherman; 6 weeks; \$47,200
 NORTHEAST LOUISIANA STATE COLLEGE, Mon-
 roe, La.; Aaron Seamster; 9 weeks; \$44,300
 NORTHERN ILLINOIS UNIVERSITY, DeKalb,
 Ill.; Martin W. Reinemann; 8 weeks;
 \$62,600
 Frederick W. Rolf; 8 weeks; \$64,300
 NORTHERN MICHIGAN COLLEGE, Marquette,
 Mich.; Holmes Boynton; 6 weeks; \$58,000
 NORTHWESTERN STATE COLLEGE, Natchi-
 toches, La.; W. G. Erwin; 9 weeks; \$49,900
 NORTHWESTERN UNIVERSITY, Evanston, Ill.;
 E. H. C. Hildebrandt; 8 weeks; \$64,200
 UNIVERSITY OF NOTRE DAME, Notre Dame,
 Ind.; Emil T. Hofman; 7 weeks; \$64,400
 Emil T. Hofman; 7 weeks; \$71,400
 Arnold E. Ross; 7 weeks; \$143,100
 OAK RIDGE INSTITUTE OF NUCLEAR STUDIES,
 Oak Ridge, Tenn.; Ralph T. Overman; 4
 weeks; \$31,300
 OBERLIN COLLEGE, Oberlin, Ohio; Wade
 Ellis; 8 weeks; \$112,000
 OHIO STATE UNIVERSITY, Columbus, Ohio;
 John S. Richardson; 8 weeks; \$124,700
 OHIO UNIVERSITY, Athens, Ohio; L. P. Eb-
 lin; 6 weeks; \$57,700
 OHIO WESLEYAN UNIVERSITY, Delaware,
 Ohio; Robert A. Roberts; 6 weeks; \$38,000
 Leonard N. Russell; 8 weeks; \$75,300
 OKLAHOMA STATE UNIVERSITY OF AGRICUL-
 TURE AND APPLIED SCIENCE, Stillwater,
 Okla.; Imy V. Holt; 9 weeks; \$67,100
 James H. Zant; 8 weeks; \$63,900
 UNIVERSITY OF OKLAHOMA, Norman, Okla.;
 Horace H. Bliss, Oklahoma Science Service;
 4 weeks; \$40,700
 Horace H. Bliss, Oklahoma Science Serv-
 ice; 8 weeks; \$43,900
 Horace H. Bliss, Oklahoma Science Serv-
 ice; 8 weeks; \$44,500
 Horace H. Bliss, Oklahoma Science Serv-
 ice; 8 weeks; \$75,300
 OREGON STATE COLLEGE, Corvallis, Oreg.;
 Stanley E. Williamson; 8 weeks; \$600
 UNIVERSITY OF OREGON, Eugene, Oreg.; A. F.
 Moursund; 8 weeks; \$63,300
 PENNSYLVANIA STATE UNIVERSITY, Univer-
 sity Park, Pa.; William H. Powers; 6 weeks;
 \$108,450
 UNIVERSITY OF PENNSYLVANIA, Philadelphia,
 Pa.; J. F. Hazel; 6 weeks; \$80,800
 PRAIRIE VIEW AGRICULTURAL AND MECHAN-
 ICAL COLLEGE, Prairie View, Tex.; E. E.
 O'Banion; 6 weeks; \$48,300
 PRATT INSTITUTE, Brooklyn, N.Y.; John
 Michael O'Gorman; 6 weeks; \$39,800
 PRINCETON UNIVERSITY, Princeton, N.J.;
 J. G. Bradshaw; 6 weeks; \$43,100
 UNIVERSITY OF PUERTO RICO, Rio Piedras,
 P.R.; Augusto Bobonis; 8 weeks; \$68,300
 F. Bueso; 6 weeks; \$57,800
 J. A. Ramos; Mayaguez; 6 weeks; \$13,900
 PURDUE UNIVERSITY, Lafayette, Ind.; John
 E. Christian; 6 weeks; \$14,700
 D. A. Davenport; 8 weeks; \$44,600
 D. A. Davenport; 8 weeks; \$46,100
 M. Wiles Keller; 8 weeks; \$57,300
 R. W. Lefler; 8 weeks; \$41,200
 R. W. Lefler; 8 weeks; \$45,700
 R. W. Lefler, 8 weeks; \$46,800
 J. R. Singleton; 8 weeks; \$58,500
 RANDOLPH-MACON WOMAN'S COLLEGE, Lynch-
 burg, Va.; Paul A. Walker; 6 weeks; \$60,400
 UNIVERSITY OF REDLANDS, Redlands, Calif.;
 Judson Sanderson; 9 weeks; \$49,800
 REED COLLEGE, Portland, Oreg.; Burrowes
 Hunt; 8 weeks; \$48,800
 RESEARCH FOUNDATION OF STATE UNIVERSITY
 OF NEW YORK, Albany, N.Y.; Emery L. Will;
 State University College of Education,
 Oneonta; 6 weeks; \$48,800
 Edgar W. Flinton, New York State Col-
 lege for Teachers, Albany; 6 weeks; \$48,900
 Alexander G. Major, State University Col-
 lege of Education at Potsdam; 6 weeks;
 \$46,400
 UNIVERSITY OF RHODE ISLAND, Kingston,
 R.I.; Elmer A. Palmatier; 6 weeks; \$34,400
 UNIVERSITY OF ROCHESTER, Rochester, N.Y.;
 William A. Fullagar; 6 weeks; \$47,200
 RUTGERS, THE STATE UNIVERSITY, New
 Brunswick, N.J.; Alan A. Boyden; 6 weeks;
 \$41,050
 Helgi Johnson; 6 weeks; \$41,800
 Robert L. Sells; 7 weeks; \$50,470
 Emory P. Starke; 6 weeks; \$84,950
 SACRAMENTO STATE COLLEGE FOUNDATION,
 Sacramento, Calif.; Carl E. Ludwig, Sacra-
 mento State College; 6 weeks; \$62,500
 SAINT AUGUSTINE'S COLLEGE, Raleigh, N.C.;
 Prezell R. Robinson; 6 weeks; \$50,600
 ST. CLOUD STATE COLLEGE, St. Cloud, Minn.;
 Harold Hopkins; 5 weeks; \$50,900
 SAINT LOUIS UNIVERSITY, St. Louis, Mo.;
 Theo. A. Ashford; 6 weeks; \$28,500
 Francis Reagan; 6 weeks; \$48,100

UNIVERSITY OF SAN FRANCISCO, San Francisco, Calif.; Edward J. Farrell; 6 weeks; \$46,500

SAN JOSE STATE COLLEGE CORP., San Jose, Calif.; John L. Marks; 6 weeks; \$48,600

Charles E. Smith, Jr.; 6 weeks; \$26,300
UNIVERSITY OF SANTA CLARA, Santa Clara, Calif.; Abraham P. Hillman; 6 weeks; \$40,700

SEATTLE UNIVERSITY, Seattle, Wash.; Ernest P. Bertin, S.J.; 8 weeks; \$75,900

SETON HILL COLLEGE, Greensburg, Pa.; Sister Mary Thaddeus; 6 weeks; \$42,100

SIMMONS COLLEGE, Boston, Mass.; Philip M. Richardson; 6 weeks; \$24,400

John A. Timm; 6 weeks; \$24,400
SOUTH CAROLINA STATE COLLEGE, Orangeburg, S.C.; George W. Hunter; 8 weeks; \$80,100

UNIVERSITY OF SOUTH CAROLINA, Columbia, S.C.; W. L. Williams; 8 weeks; \$83,425

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City, S. Dak.; Howard C. Peterson; 8 weeks; \$127,600

SOUTH DAKOTA STATE COLLEGE, Brookings, S. Dak.; Kenneth Howard; 8 weeks; \$62,400

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 8 weeks; \$46,500

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, Calif.; Willard Geer; 6 weeks; \$38,700

Jay M. Savage; 6 weeks; \$46,650
SOUTHERN ILLINOIS UNIVERSITY, Carbondale, Ill.; W. C. McDaniel; 8 weeks; \$49,800

I. L. Shechmeister; 8 weeks; \$54,000

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Joe P. Harris, Jr.; 6 weeks; \$30,500

SOUTHERN UNIVERSITY, Baton Rouge, La.; J. Warren Lee; 8 weeks; \$55,000

SOUTHWEST MISSOURI STATE COLLEGE, Springfield, Mo.; Carl V. Fronabarger; 6 weeks; \$27,200

SOUTHWESTERN LOUISIANA INSTITUTE, Lafayette, La.; James R. Oliver; 9 weeks; \$55,400

James R. Oliver; 9 weeks; \$79,800
SOUTHWESTERN STATE COLLEGE, Weatherford, Okla.; Earl A. Reynolds; 8 weeks; \$48,400

SPRING HILL COLLEGE, Mobile, Ala.; Francis J. Kearley, Jr.; 6 weeks; \$29,400

STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; 6 weeks; \$47,250

Paul Kirkpatrick; 6 weeks; \$60,500

STATE TEACHERS COLLEGE, California, Pa.; Gabriel P. Betz; 9 weeks; \$55,400

STATE UNIVERSITY OF IOWA, Iowa City, Iowa; Titus Carr Evans; 8 weeks; \$19,770

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion, S. Dak.; M. M. Hasse; 8 weeks; \$64,200

M. M. Hasse; 8 weeks; \$77,100

STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; Alvin F. Shinn; 6 weeks; \$28,700

STETSON UNIVERSITY, De Land, Fla.; Gene W. Medlin; 8 weeks; \$59,800

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 6 weeks; \$59,400

SYRACUSE UNIVERSITY, Syracuse, N.Y.; John G. Burdick; 6 weeks; \$51,050

John G. Burdick; 6 weeks; \$51,000

William R. Frederickson; 6 weeks; \$79,800

William R. Frederickson; 6 weeks; \$61,400

TEACHERS COLLEGE, COLUMBIA UNIVERSITY, New York, N.Y.; Myron F. Roskopf; 6 weeks; \$49,300

TEMPLE UNIVERSITY, Philadelphia, Pa.; Elmer L. Offenbacher; 8 weeks; \$87,900

David S. Sarnar; 6 weeks; \$30,400

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville, Tenn.; Rugherford H. Adkins; 8 weeks; \$51,600

TEXAS CHRISTIAN UNIVERSITY, Forth Worth, Tex.; Ben F. Goldbeck; 6 weeks; \$91,400

TEXAS TECHNOLOGICAL COLLEGE, Lubbock, Tex.; Earl D. Camp; 9 weeks; \$86,000

Earl D. Camp; 9 weeks; \$86,000

TEXAS SOUTHERN UNIVERSITY, Houston, Tex.; Robert J. Terry; 12 weeks; \$93,800

TEXAS WOMAN'S UNIVERSITY, Denton, Tex.; Harold T. Baker; 6 weeks; \$47,400

UNIVERSITY OF TEXAS, Austin, Tex.; Addison E. Lee; 9 weeks; \$117,100

THIEL COLLEGE, Greenville, Pa.; Bela G. Kolossvary; 6 weeks; \$42,000

UNIVERSITY OF TOLEDO, Toledo, Ohio; Robert R. Buell; 8 weeks; \$59,600

TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; 6 weeks; \$49,100

TULANE UNIVERSITY OF LOUISIANA, New Orleans, La.; E. Peter Volpe; 6 weeks; \$46,300

TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; W. Edward Belton; 8 weeks; \$59,700

W. Edward Belton; 8 weeks; \$59,700

UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; D. K. Baker; 8 weeks; \$130,800

D. K. Baker; 8 weeks; \$130,800

UTAH STATE UNIVERSITY, Logan, Utah; Joe Ellich; 10 weeks; \$76,800

VANDERBILT UNIVERSITY, Nashville, Tenn.; E. Baylis Shanks; 8 weeks; \$110,400

UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE, Burlington, Vt.; Nelson L. Walbridge; 8 weeks; \$78,700

N. James Schoonmaker; 7 weeks; \$67,300

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg, Va.; Robert C. Krug; 8 weeks; \$54,000

VIRGINIA STATE COLLEGE, Petersburg, Va.; Richard H. Dunn; 8 weeks; \$100,350

UNIVERSITY OF VIRGINIA, Charlottesville, Va.; James W. Cole, Jr.; 8 weeks; \$72,500

WASHINGTON STATE UNIVERSITY, Pullman, Wash.; Alfred B. Butler; 8 weeks; \$89,700

Sidney G. Hacker; 8 weeks; \$58,100

Sidney G. Hacker; 8 weeks; \$60,100

UNIVERSITY OF WASHINGTON, Seattle Wash.; L. A. Sanderman; 8 weeks; \$60,000

WAYNE STATE UNIVERSITY, Detroit, Mich.; Walter Chavin; 8 weeks; \$19,000

Karl W. Polley; 8 weeks; \$66,100

WESLEYAN UNIVERSITY, Middletown, Conn.; Joseph S. Daltry; 6 weeks; \$94,400

Joseph S. Daltry; 6 weeks; \$96,500

WESTERN KENTUCKY STATE COLLEGE, Bowling Green, Ky.; Ward C. Sumpter; 8 weeks; \$76,200

WESTERN MICHIGAN UNIVERSITY, Kalamazoo, Mich.; George G. Mallinson; 8 weeks; \$48,100

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Ralph H. Petrucci; 11 weeks; \$129,900

WEST TEXAS STATE COLLEGE, Canyon, Tex.; Hollis L. Cook; 12 weeks; \$89,100

WEST VIRGINIA UNIVERSITY, Morgantown, W. Va.; James B. Hickman; 6 weeks; \$92,900

WEST VIRGINIA WESLEYAN COLLEGE, Buckhannon, W. Va.; John C. Wright; 6 weeks; \$59,800

UNIVERSITY OF WICHITA, Wichita, Kans.; Clarence G. Stuckwisch; 6 weeks; \$27,000

WILLIAM JEWELL COLLEGE, Liberty, Mo.; Frank G. Edson; 8 weeks; \$78,100

WISCONSIN STATE COLLEGE, River Falls, Wis.; Richard J. Delorit; 8 weeks; \$39,000

WISCONSIN STATE COLLEGES, State Capitol, Madison, Wis.; Eugene R. McPhee; 6 weeks; \$42,200

UNIVERSITY OF WISCONSIN, Madison, Wis.; Robert A. Jaggard; 6 weeks; \$46,735

Peter J. Salamun; Milwaukee; 6 weeks; \$39,400

WITTENBERG UNIVERSITY, Springfield, Ohio; Everett H. Bush; 8 weeks; \$44,100

WOMAN'S COLLEGE OF THE UNIVERSITY OF NORTH CAROLINA, Greensboro, N.C.; Hollis J. Rogers; 6 weeks; \$48,200

WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; 8 weeks; \$600

UNIVERSITY OF WYOMING, Laramie, Wyo.; Carl A. Cinnamon; 8 weeks; \$19,000

Palmer O. Steen; 8 weeks; \$78,300

XAVIER UNIVERSITY, Cincinnati, Ohio; John B. Hart; 6 weeks; \$38,800

YALE UNIVERSITY, New Haven, Conn.; Stuart R. Brinkley; 6 weeks; \$87,300

Dirk Brouwer; 6 weeks; \$38,425

SUMMER INSTITUTES FOR ELEMENTARY SCHOOL TEACHERS AND ADMINISTRATORS

COLLEGE OF ST. CATHERINE, St. Paul, Minn.; Sister Seraphim; 6 weeks; \$34,400

DEPAUW UNIVERSITY, Greencastle, Ind.; Donald J. Cook; 6 weeks; \$28,500

UNIVERSITY OF KANSAS, Lawrence, Kans.; Robert W. Ridgway; 8 weeks; \$51,800

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Joseph N. Payne; 4 weeks; \$27,700

NORTHERN ILLINOIS UNIVERSITY, DeKalb, Ill.; Frederick W. Rolf; 8 weeks; \$49,900

NORTHERN MICHIGAN COLLEGE, Marquette, Mich.; Henry S. Heimonen; 6 weeks; \$37,700

UNIVERSITY OF RHODE ISLAND, Kingston, R.I.; Elmer A. Palmatier; 6 weeks; \$31,500

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Guido G. Weigand; 6 weeks; \$38,100

SAN FERNANDO VALLEY STATE COLLEGE FOUNDATION, Northridge, Calif.; Ruth L. Roche; 6 weeks; \$37,700

SAN JOSE STATE COLLEGE CORPORATION, San Jose, Calif.; James R. Smart; 6 weeks; \$38,500

UNIVERSITY OF SOUTH CAROLINA, Columbia, S.C.; Frederick H. Giles, Jr.; 6 weeks; \$27,700

SOUTHERN UNIVERSITY, Baton Rouge, La.; Woodrow H. Jones; 8 weeks; \$31,500

TEACHERS COLLEGE, Columbia University, New York, N.Y.; Frederick L. Fitzpatrick; 6 weeks; \$29,600

UNIVERSITY OF TEXAS, Austin, Tex.; W. T. Guy, Jr.; 6 weeks; \$31,400

SUMMER CONFERENCES

AMERICAN UNIVERSITY, Washington, D.C.; Matthew F. Norton; *Summer Conference in Stratigraphy and Structure of the Appalachians for College Teachers of Geology and Earth Sciences*; 14 days; \$17,800

BUTLER UNIVERSITY, Indianapolis, Ind.; Ralph K. Birdwhistell; *Summer Conference in the Recent Developments in Nonaqueous Solvents for College Teachers of Undergraduate Chemistry*; 14 days; \$14,500

CARLETON COLLEGE, Northfield, Minn.; Robert A. Reitz; *Summer Conference in Solid-State Physics for College Teachers of Physics*; 13 days; \$10,600

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Burton V. Dean; *Summer Conference on New Applications of Mathematics and Statistics in the Design and Operation of Complex Systems for College Teachers of Mathematics and Engineering*; 19 days; \$27,300

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; Donal R. Wood; *Summer Conference in Genetics for College Teachers of Genetics*; 19 days; \$14,600

CORNELL COLLEGE, Mount Vernon, Iowa; Cecil F. Dam; *Summer Conference in Radioisotopes and Their Uses for Junior College Teachers of Biology, Chemistry, and Physics*; 12 days; \$16,700

UNIVERSITY OF DETROIT, Detroit, Mich.; Paul M. Reinhard; *Summer Conference in Scientific Engineering for College Teachers of Engineering in Graphics, Mechanics, Physics and Mathematics*; 12 days; \$8,400

UNIVERSITY OF FLORIDA, Gainesville, Fla.; Wallace S. Brey; *Summer Conference in Nuclear Resonance for College Teachers of Chemistry and Physics*; 12 days; \$12,400

GEORGETOWN UNIVERSITY, Washington, D.C.; Matthew P. Thekaekara, S.J.; *Summer Conference in the Recent Advances in Astrogeophysics for College Teachers of Physics and Astronomy*; 24 days; \$20,800

LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Springs Harbor, N.Y.; Paul Margolin; *Summer Conference in the Recent Developments in Molecular and Developmental Genetics for College Teachers of Genetics*; 20 days; \$15,300

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; Victor A. Greulich; *Summer Conference in Botany, With Emphasis on Plant Evolution and Plant Evolution and Plant Physiology for Junior College and College Teachers of General Biology and General Botany*; 19 days; \$13,800

UNIVERSITY OF OKLAHOMA, Norman, Okla.; William Viavant; *Summer Conference in Computer Programming and Related Mathematics for College Teachers of Science and Mathematics*; 25 days; \$29,700

PURDUE UNIVERSITY, Lafayette, Ind.; Warren W. Brandt; *Summer Conference in Chromatography: Theory and Practice for College Teachers of Chemistry*; 13 days; \$14,400

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; George N. Beaumarriage; *Summer Conference in Recent Developments in Mathematics and the Teaching of Arithmetic for College Teachers and Elementary School Supervisors of Arithmetic*; 13 days; \$21,700

TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; *Summer Conference in the Recent Advances in Chemical Bonding for College Teachers of Chemistry*; 11 days; \$16,100

WASHINGTON UNIVERSITY, Saint Louis, Mo.; Gerald L. Esterson; *Summer Conference in*

Systems Engineering Theory for Chemical Engineering Teachers; 24 days; \$22,310

SUMMER SCIENCE TRAINING PROGRAM FOR SECONDARY SCHOOL STUDENTS

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station, Tex.; Melvin C. Schroeder; 5 weeks; \$12,400

John J. Sperry; 6 weeks; \$4,703

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro, N.C.; B. T. White; 6 weeks; \$22,110

UNIVERSITY OF ALASKA, College, Alaska; William S. Wilson; 3 weeks; \$11,040

AMERICAN ACADEMY OF ARTS AND SCIENCES, Boston, Mass.; Gordon O. Thayer, Thayer Academy; 10 weeks; \$25,220

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Vincent J. Schaefer; 7 weeks; \$21,490

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Franklin M. Branley; 8 weeks; \$8,950

APPALACHIAN STATE TEACHERS COLLEGE, Boone, N.C.; F. Ray Derrick; 5 weeks; \$13,830

ARIZONA STATE COLLEGE, Flagstaff, Ariz.; J. Harvey Butchart; 5 weeks; \$7,340

UNIVERSITY OF ARIZONA, Tucson, Ariz.; Henry Frelser; 10 weeks; \$40,450

BENNETT COLLEGE, Greensboro, N.C.; J. Henry Sayles; 6 weeks; \$32,740

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 5 weeks; \$4,760

UNIVERSITY OF BRIDGEPORT, Bridgeport, Conn.; Willard P. Berggren; 7 weeks; \$25,040

BROOKLYN COLLEGE, Brooklyn, N.Y.; Samuel Borofsky; 6 weeks; \$7,350

BROWN UNIVERSITY, Providence, R.I.; Charles B. MacKay; 6 weeks; \$20,430

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Lester Kleff; 6 weeks; \$16,620

UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Robert Guthrie; 8 weeks; \$12,570

BUHL PLANETARIUM AND INSTITUTE OF POPULAR SCIENCE, Pittsburgh, Pa.; Arthur L. Draper; 6 weeks; \$3,500

BUTLER UNIVERSITY, Indianapolis, Ind.; William H. Bessey; 7 weeks; \$7,010

CALIFORNIA STATE POLYTECHNIC COLLEGE, San Luis Obispo, Calif.; William Thurmond; 4 weeks; \$15,990

UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Clifford Bell; Los Angeles; 6 weeks; \$5,820

Norris W. Rakestraw, Scripps Institution of Oceanography, La Jolla; 10 weeks; \$7,470

D. M. Reynolds; Davis; 6 weeks; \$17,900

Robert A. Rice; 6 weeks; \$19,130

UNIVERSITY OF CHICAGO, Chicago, Ill.; William H. Meyer; 6 weeks; \$53,500

COLGATE UNIVERSITY, Hamilton, N.Y.; Robert E. Todd; 6 weeks; \$14,890

COLLEGE OF THE PACIFIC, Stockton, Calif.; Jesse S. Binford, Jr.; 6 weeks; \$4,310

COLORADO COLLEGE, Colorado Springs, Colo.; Richard G. Beldleman; 8 weeks; \$9,320

COLORADO SCHOOL OF MINES, Golden, Colo.; James L. Hall; 6 weeks; \$17,820

COMMITTEE FOR ADVANCED SCIENCE TRAINING, INSTITUTE FOR MEDICAL RESEARCH, Cedars of Lebanon Hospital, Los Angeles, Calif.; Harry Sobel; 10 months; \$6,700

COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, New York, N.Y.; Edward M. Griswold; 6 weeks; \$28,900

CORNELL UNIVERSITY, Ithaca, N.Y.; Thomas R. Nielsen; 6 weeks; \$36,010

UNIVERSITY OF DENVER, Denver, Colo.; H. P. Lehigh, Jr.; 9 weeks; \$6,650

UNIVERSITY OF DETROIT, Detroit, Mich.; Jon J. Kabara; 8 weeks; \$250

EAST TEXAS STATE COLLEGE, Commerce, Tex.; Roy N. Jervis; 5 weeks; \$6,100

EASTERN MONTANA COLLEGE OF EDUCATION, Billings, Mont.; Oliver W. Peterson; 8 weeks; \$2,880

EMORY AND HENRY COLLEGE, Emory, Va.; Marius Blesi; 5 weeks; \$6,800

EMORY UNIVERSITY, Atlanta, Ga.; J. G. Lester; 5 weeks; \$23,735

FISK UNIVERSITY, Nashville, Tenn.; Samuel P. Massie; 6 weeks; \$14,120

FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; Dwight B. Goodner; 6 weeks; \$9,220

UNIVERSITY OF FLORIDA, Gainesville, Fla.; Luther A. Arnold; 8 weeks; \$14,630

GENEVA COLLEGE, Beaver Falls, Pa.; Roy M. Adams; 9 weeks; \$6,120

UNIVERSITY OF GEORGIA, Athens, Ga.; T. H. Whitehead; 6 weeks; \$10,020

GODDARD COLLEGE, Plainfield, Vt.; George Beecher; 5 weeks; \$8,540

UNIVERSITY OF HAWAII, Honolulu, Hawaii; Donald C. McGulre; 7 weeks; \$13,470

HIRAM COLLEGE, Hiram, Ohio; Edward B. Rosser; 5 weeks; \$6,380

UNIVERSITY OF HOUSTON, Houston, Tex.; John C. Allred; 6 weeks; \$11,270

HOWARD PAYNE COLLEGE, Brownwood, Tex.; Leonard R. Daniel; 5 weeks; \$7,850

HOWARD UNIVERSITY, Washington, D.C.; Herman Branson; 8 weeks; \$15,270

HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; John M. Borgerson; 4 weeks; \$14,030

HUNTER COLLEGE, New York, N.Y.; Melvin S. Schwartz; 6 weeks; \$6,390

Henry D. Thompson; 5 weeks; \$5,880

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; Haim Reingold; 34 weeks; \$18,960

UNIVERSITY OF ILLINOIS, Urbana, Ill.; J. S. Dobrovolsky; 6 weeks; \$13,700

INDIANA UNIVERSITY, Bloomington, Ind.; Paul Klinge; 2 weeks; \$27,220

INTER AMERICAN UNIVERSITY OF PUERTO RICO, San German, P.R.; Ismael Velez; 9 weeks; \$15,620

KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; Otto M. Smith; 6 weeks; \$14,790

UNIVERSITY OF KANSAS, Lawrence, Kans.; Robert W. Baxter; 3 weeks; \$17,240

KEENE TEACHERS COLLEGE, Keene, N.H.; Alan N. Hall; 6 weeks; \$26,930

KENYON COLLEGE, Gambier, Ohio; William R. Transue; 4 weeks; \$12,080

KNOX COLLEGE, Galesburg, Ill.; Paul H. Shepard; 3 weeks; \$17,290

KNOXVILLE COLLEGE, Knoxville, Tenn.; Joseph M. Reyes; 8 weeks; \$35,890

LEHIGH UNIVERSITY, Bethlehem, Pa.; Albert Wilansky; 6 weeks; \$5,010

LOUISIANA POLYTECHNIC INSTITUTE, Ruston, La.; T. J. Laswell; 8 weeks; \$19,060

LOUISIANA STATE UNIVERSITY, Baton Rouge, La.; Harry J. Bennett; 10 weeks; \$8,530

John F. Christman; 9 weeks; \$19,040

LOYOLA UNIVERSITY OF LOS ANGELES, Los Angeles, Calif.; Clarence J. Wallen; 9 months; \$3,040

MANHATTAN COLLEGE, New York, N.Y.; Leonard O'Conner, F.S.C.; 6 weeks; \$11,450
MANKATO STATE COLLEGE FOUNDATION, INC., Mankato, Minn.; James A. Andersen; 4 weeks; \$16,940
UNIVERSITY OF MARYLAND, College Park, Md.; Howard Laster; 12 weeks; \$4,320
UNIVERSITY OF MIAMI, Coral Gables, Fla.; C. P. Idyll; The Marine Laboratory, Miami; 9 weeks; \$10,060
MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton, Mich.; U. J. Noblet; 5 weeks; \$13,810
UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Leigh C. Anderson; 6 weeks; \$19,270
UNIVERSITY OF MISSISSIPPI, University, Miss.; Samuel F. Clark; 4 weeks; \$14,460
MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing, Mich.; M. Isobel Blyth; 6 weeks; \$35,260
UNIVERSITY OF MISSOURI, Columbia, Mo.; John E. Peterson; 2 weeks; \$7,000
 Charles E. Remington, Jr.; 7 weeks; \$14,850
MONTANA STATE COLLEGE, Bozeman, Mont.; James W. Cusick; 4 weeks; \$17,810
MOREHEAD STATE COLLEGE, Morehead, Ky.; Margaret B. Heaslip; 4 weeks; \$5,370
MORGAN STATE COLLEGE, Baltimore, Md.; John W. King; 8 weeks; \$20,300
MORRIS BROWN COLLEGE, Atlanta, Ga.; Prince Wilson; 9 weeks; \$25,660
MURRAY STATE COLLEGE, Murray, Ky.; W. E. Blackburn; 8 weeks; \$19,240
NATIONAL CHILDREN'S CARDIAC HOSPITAL, Miami, Fla.; Milton S. Saslaw; 40 weeks; \$3,760
UNIVERSITY OF NEBRASKA, Lincoln, Nebr.; Donald G. Hanway; 9 weeks; \$7,500
NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Campus Station, Socorro, N. Mex.; Burrell L. Wood; 9 weeks; \$24,070
NEW YORK BOTANICAL GARDEN, New York, N.Y.; Arthur Cronquist; 5 weeks; \$12,690
NEW YORK UNIVERSITY, New York, N.Y.; Harry A. Charipper; 6 weeks; \$6,120
NORTH CAROLINA COLLEGE AT DURHAM, Durham, N.C.; James S. Lee; 6 weeks; \$17,100
NORTH CAROLINA STATE COLLEGE, Raleigh, N.C.; W. A. Reid; 6 weeks; \$16,740
NORTH DAKOTA AGRICULTURAL COLLEGE, Fargo, N. Dak.; J. A. Callenbach; 10 weeks; \$1,530
UNIVERSITY OF NORTH DAKOTA, Grand Forks, N. Dak.; K. B. MacKichan; 2 weeks; \$5,690
NORTHERN MICHIGAN COLLEGE, Marquette, Mich.; Henry S. Helmonen; 4 weeks; \$10,820
NORTHWESTERN STATE COLLEGE OF LOUISIANA, Natchitoches, La.; Rene J. Bienvenu; 9 weeks; \$4,920
 Alan H. Crosby; 9 weeks; \$6,280
NORTHWESTERN UNIVERSITY, Evanston, Ill.; F. G. Seulberger; 5 weeks; \$21,770
UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; A. E. Ross; 7 weeks; \$16,480
OHIO UNIVERSITY, Athens, Ohio; William G. Gambill, Jr.; 3 weeks; \$17,030
OKLAHOMA STATE UNIVERSITY, Stillwater, Okla.; L. F. Sheerar; 6 weeks; \$10,280
OREGON STATE COLLEGE, Corvallis, Oreg.; R. E. Gaskell; 7 weeks; \$18,450
PAN AMERICAN COLLEGE, Edinburg, Tex.; Paul R. Engle, Observatory and Astro-Science Center; 6 weeks; \$8,550
UNIVERSITY OF PITTSBURGH, Pittsburgh, Pa.; John R. Jablonski; 13 weeks; \$4,030
POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; C. G. Overberger; 8 weeks; \$7,560
PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 6 weeks; \$7,550
 Israel E. Glover; 6 weeks; \$6,240
 Charles H. Nicholas; 6 weeks; \$7,080
UNIVERSITY OF PUERTO RICO, Rio Piedras, P.R.; Francisco Garriga; 6 weeks; \$9,470
 Eddie Ortiz Muniz; Mayaguez; 6 weeks; \$10,500
PURDUE UNIVERSITY, Lafayette, Ind.; George A. Gries; 8 weeks; \$16,390
RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; John McCarthy; 6 weeks; \$13,140
ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; John L. Fuller; 10 weeks; \$13,010
ROSWELL PARK MEMORIAL INSTITUTE, Buffalo, N.Y.; E. A. Mirand; 8 weeks; \$9,640
RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Charles H. Stevens; 3 weeks; \$10,960
ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Phillip Younger; 4 weeks; \$14,420
ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; Daniel M. Lilly; 6 weeks; \$11,610
ST. LOUIS UNIVERSITY, St. Louis, Mo.; John J. Andrews; 4 weeks; \$4,660
ST. MARY'S COLLEGE OF CALIFORNIA, St. Mary's College, Calif.; Albert B. Costa; 6 weeks; \$8,740
ST. OLAF COLLEGE, Northfield, Minn.; Albert E. Finholt; 8 weeks; \$28,730
SAN JOSE STATE COLLEGE, San Jose, Calif.; Wilbur Sprain; 4 weeks; \$8,730
UNIVERSITY OF SANTA CLARA, Santa Clara, Calif.; Arthur T. Phelps; 6 weeks; \$13,390
SOUTH DAKOTA STATE COLLEGE, Brookings, S. Dak.; Stanley Sundet; 6 weeks; \$6,350
SOUTHERN ILLINOIS UNIVERSITY, Carbondale, Ill.; Leo Kaplan; 6 weeks; \$18,550
SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Frank J. Palas; 5 weeks; \$6,940
STATE UNIVERSITY OF IOWA, Iowa City, Iowa; Robert Yager; 8 weeks; \$23,920
STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion, S. Dak.; Sherwood Cummings; 2 weeks; \$7,660
STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; E. L. Miller; 6 weeks; \$8,750
STETSON UNIVERSITY, De Land, Fla.; Harland C. Merriam; 8 weeks; \$22,830
UNIVERSITY OF TENNESSEE, Knoxville, Tenn.; James F. Davidson; 8 weeks; \$7,070
 J. H. Wood; 6 weeks; \$15,630
TEXAS WOMAN'S UNIVERSITY, Denton, Tex.; Robert W. Higgins; 8 weeks; \$16,410
UNIVERSITY OF TEXAS, Austin, Tex.; H. J. Ettinger; 6 weeks; \$9,910
 Bennie R. Ferrone; 6 weeks; \$10,320
 Grant Taylor, Anderson Hospital and Tumor Institute, Houston; 6 weeks; \$3,970
UNIVERSITY OF TULSA, Tulsa, Okla.; F. T. Gardner; 6 weeks; \$5,120
UNIVERSITY OF UTAH, Salt Lake City, Utah; E. Allan Davis; 4 weeks; \$5,070
VIRGINIA STATE COLLEGE, Petersburg, Va.; Paul L. Brown; 6 weeks; \$11,930
WALDEMAR MEDICAL RESEARCH FOUNDATION, INC., Port Washington, N.Y.; Norman Molomot; 8 weeks; \$18,040
WASHINGTON UNIVERSITY, St. Louis, Mo.; Owen J. Sexton; 5 weeks; \$3,050
WEST VIRGINIA UNIVERSITY, Morgantown, W. Va.; O. J. Burger; 4 weeks; \$7,280
WEST VIRGINIA WESLEYAN COLLEGE, Buckhannon, W. Va.; John C. Wright; 3 weeks; \$8,900

WESTERN KENTUCKY STATE COLLEGE, Bowling Green, Ky.; Tate C. Page; 8 weeks; \$28,280
 WESTERN MICHIGAN UNIVERSITY, Kalamazoo, Mich.; George G. Mallinson; 6 weeks; \$13,340
 WILEY COLLEGE, Marshall, Tex.; Gertrude C. Ridgel; 6 weeks; \$6,500
 WISCONSIN STATE COLLEGE, Superior, Wis.; Howard Thomas; 4 weeks; \$6,960
 WISCONSIN STATE COLLEGE, La Crosse, Wis.; Robert H. Uber; 6 weeks; \$8,560
 WOFFORD COLLEGE, Spartanburg, S.C.; James C. Loftin; 8 weeks; \$12,600
 WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, Shrewsbury, Mass.; Hudson Hoagland; 9 weeks; \$21,680
 YESHIVA UNIVERSITY, New York, N.Y.; Moses D. Tendler; 8 weeks; \$14,320

RESEARCH PARTICIPATION FOR TEACHER TRAINING

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station, Tex.; J. B. Page; 3 months; \$20,950
 UNIVERSITY OF ARIZONA, Tucson, Ariz.; A. B. Weaver; 3 months; \$23,150
 BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, Inc., Yonkers, N.Y.; Lawrence P. Miller; 3 months; \$8,900
 BRIGHAM YOUNG UNIVERSITY, Provo, Utah; K. LeRoI Nelson; 3 months; \$19,925
 BROOKLYN COLLEGE, Brooklyn, N.Y.; Louis G. Moriber; 3 months; \$4,800
 UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Howard Tieckelmann; 3 months; \$14,790
 UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Donald C. Bryant; 3 months; \$30,745
 CLARK UNIVERSITY, Worcester, Mass.; Arthur E. Martell; 3 months; \$12,265
 CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; F. Gordon Lindsey; 3 months; \$18,690
 COLLEGE OF THE PACIFIC, Stockton, Calif.; Joel W. Hedgpeh, Pacific Marine Station; 3 months; \$11,870
 COLLEGE OF WOOSTER, Wooster, Ohio; John D. Reinheimer; 3 months; \$1,250
 COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; 3 months; \$19,265
 UNIVERSITY OF COLORADO, Denver, Colo.; William C. Strickler; 3 months; \$35,010
 UNIVERSITY OF COLORADO, Boulder, Colo.; Bert M. Tolbert; 3 months; \$24,345
 CORNELL UNIVERSITY, Ithaca, N.Y.; Philip G. Johnson; 3 months; \$33,990
 UNIVERSITY OF DELAWARE, Newark, Del.; James C. Kakavas; 3 months; \$18,655
 DRAKE UNIVERSITY, Des Moines, Iowa; Leland P. Johnson; 3 months; \$16,660
 FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; Leland Shanor; 3 months; \$19,680
 FURMAN UNIVERSITY, Greenville, S.C.; J. A. Southern; 3 months; \$15,985
 UNIVERSITY OF GEORGIA, Athens, Ga.; Robert A. McRorie; 3 months; \$23,000
 GOSHEN COLLEGE, Goshen, Ind.; Henry D. Weaver, Jr.; 3 months; \$6,145
 HIGH ALTITUDE OBSERVATORY OF THE UNIVERSITY OF COLORADO, Boulder, Colo.; Donald E. Billings; 3 months; \$4,425
 HIGHLANDS BIOLOGICAL STATION, Inc., Highlands, N.C.; Thelma Howell; 3 months; \$5,095

HOWARD UNIVERSITY, Washington, D.C.; Lloyd N. Ferguson; 3 months; \$21,605
 ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; Leslie B. Hedrick; 3 months; \$12,525
 INDIANA UNIVERSITY, Bloomington, Ind.; Paul Klinge; 3 months; \$24,400
 INSTITUTE FOR PAPER CHEMISTRY, Appleton, Wis.; George D. Jernegan; 3 months; \$8,050
 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames, Iowa; Paul F. Romberg; 3 months; \$28,850
 KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; Ted F. Andrews; 3 months; \$13,580
 UNIVERSITY OF KANSAS, Lawrence, Kans.; C. A. VanderWerf; 3 months; \$21,400
 KENTUCKY RESEARCH FOUNDATION, Lexington, Ky.; E. M. Spokes; 3 months; \$3,660
 KNOX COLLEGE, Galesburg, Ill.; Russell Sutton; 3 months; \$6,420
 LONG BEACH STATE COLLEGE FOUNDATION, Long Beach, Calif.; Darwin L. Mayfield; 3 months; \$10,510
 LOUISIANA STATE UNIVERSITY, Baton Rouge, La.; John F. Christman; 3 months; \$26,010
 UNIVERSITY OF MARYLAND, College Park, Md.; Howard Laster; 3 months; \$7,280
 UNIVERSITY OF MASSACHUSETTS, Amherst, Mass.; D. S. Van Fleet; 3 months; \$5,855
 MIAMI UNIVERSITY, Oxford, Ohio; Harry Weller; 3 months; \$18,070
 UNIVERSITY OF MISSISSIPPI, University, Miss.; Barton Milligan; 3 months; \$10,650
 MONTANA STATE UNIVERSITY, Missoula, Mont. Ludvig G. Browman; 3 months; \$4,585
 NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; James A. Bradley; \$13,515
 NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, N. Mex.; E. Gerald Meyer; 3 months; \$19,665
 UNIVERSITY OF NEW MEXICO, Albuquerque, N. Mex.; Phillip E. Bocquet; 3 months; \$19,435
 NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING, Raleigh, N.C.; Homer C. Folks; 3 months; \$26,940
 NORTH DAKOTA STATE COLLEGE, Fargo, N. Dak.; J. A. Callenbach; 3 months; \$23,685
 UNIVERSITY OF NORTH DAKOTA, Grand Forks, N. Dak.; Francis A. Jacobs; 3 months; \$16,100
 UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Milton Burton; 3 months; \$11,060
 NORTH TEXAS STATE COLLEGE, Denton, Tex.; Robert C. Sherman; 3 months; \$16,960
 OHIO STATE UNIVERSITY, Columbus, Ohio; F. E. Deatherage; 3 months; \$8,795
 OKLAHOMA STATE UNIVERSITY, Stillwater, Okla.; Robert MacVicar; 3 months; \$18,410
 UNIVERSITY OF OKLAHOMA, Norman, Okla.; Horace Bliss, Oklahoma Science Service; 3 months; \$17,355
 Carl D. Riggs, Biological Station, Willis; 3 months; \$16,480
 OREGON STATE COLLEGE, Corvallis, Oreg.; A. T. Lonseth; 3 months; \$8,415
 PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; W. Conrad Fernelius; 3 months; \$20,085
 UNIVERSITY OF REDLANDS, Redlands, Calif.; Robert H. Maybury; 3 months; \$10,080
 RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; R. L. Strong; 3 months; \$17,110
 RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany, N.Y.; Edwin C. John, Syracuse; 3 months; \$11,125

UNIVERSITY OF RHODE ISLAND, Kingston, R.I.; Eugene C. Winslow; 3 months; \$8,195
 UNIVERSITY OF ROCHESTER, Rochester, N.Y.; 2 months; \$23,060
 ROSWELL PARK MEMORIAL INSTITUTE, Buffalo, N.Y.; Edwin A. Mirand; 3 months; \$14,950
 ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; Paul T. Medici; 3 months; \$15,130
 UNIVERSITY OF SOUTH CAROLINA, Columbia, S.C.; Peyton C. Teague; 3 months; \$20,240
 UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, Calif.; Edgar Warnhoff; 3 months; \$17,325
 STANFORD UNIVERSITY, Stanford, Calif.; O. Cutler Shepard; 3 months; \$10,965
 STATE UNIVERSITY OF IOWA, Iowa City, Iowa; Ralph L. Shriner; 3 months; \$13,745
 STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion, S. Dak.; George P. Scott; 3 months; \$16,590
 TEMPLE UNIVERSITY, Philadelphia, Pa.; David S. Sarner; 3 months; \$14,710
 UNIVERSITY OF TENNESSEE, Knoxville, Tenn.; W. E. Jefferson; Memphis; 3 months; \$7,105
 TEXAS SOUTHERN UNIVERSITY, Houston, Tex.; L. L. Woods; 3 months; \$6,715
 UNIVERSITY OF TEXAS, Austin, Tex.; Addison E. Lee; 3 months; \$17,615
 UNIVERSITY OF UTAH, Salt Lake City, Utah; W. J. Burke; 3 months; \$20,110
 VANDERBILT UNIVERSITY, Nashville, Tenn.; Larry C. Hall; 3 months; \$21,030
 UNIVERSITY OF VERMONT, Burlington, Vt.; Howard M. Smith, Jr.; 3 months; \$17,935
 VIRGINIA FISHERIES LABORATORY, Gloucester Point, Va.; Robert S. Bailey; 3 months; \$21,525
 UNIVERSITY OF VIRGINIA, Charlottesville, Va.; Stephan Berko; 3 months; \$9,645
 Jacques J. Rappaport; 3 months; \$6,040
 Bart Van't Riet; 3 months; \$11,135
 WAYNE STATE UNIVERSITY, Detroit, Mich.; Karl H. Gayer; 3 months; \$15,750
 WESTERN STATE COLLEGE, Gunnison, Colo.; C. G. Warren; 3 months; \$1,870
 UNIVERSITY OF WISCONSIN, Madison, Wis.; Donald H. Bucklin; 1 year; \$48,635
 YALE UNIVERSITY, New Haven, Conn.; Harlan J. Smith; 3 months; \$1,370

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

ADELPHI COLLEGE, Long Island, N.Y.; 9 months; \$4,890
 AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station, Tex.; 1 year; \$3,400
 2 years; \$9,545
 AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro, N.C.; 1 year; \$4,220
 1 year; \$5,175
 ALBRIGHT COLLEGE, Reading, Pa.; 1 year; \$1,845
 ALFRED UNIVERSITY, Alfred, N.Y.; 3 months; \$5,485
 ALLEGHENY COLLEGE, Meadville, Pa.; 1 year; \$3,595
 AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; 1 year; \$22,925
 AMERICAN UNIVERSITY, Washington, D.C.; 3 months; \$3,740
 AMHERST COLLEGE, Amherst, Mass.; 3 months; \$4,090
 ARIZONA STATE UNIVERSITY, Tempe, Ariz.; 1 year; \$2,635
 UNIVERSITY OF ARIZONA, Tucson, Ariz.; 1 year; \$10,350
 UNIVERSITY OF ARKANSAS, Fayetteville, Ark.; 1 year; \$13,995
 ARLINGTON STATE COLLEGE, Arlington, Tex.; 9 months; \$575
 ASBURY COLLEGE, Wilmore, Ky.; 1 year; \$3,220
 AUBURN UNIVERSITY, Auburn, Ala.; 1 year; \$6,930
 BARNARD COLLEGE, New York, N.Y.; 2 years; \$6,840
 2 years; \$6,900
 1 year; \$4,095
 BARTOL RESEARCH FOUNDATION OF THE FRANKLIN INSTITUTE, Swarthmore, Pa.; 2 years; \$5,695
 BOSTON COLLEGE, Chestnut Hill, Mass.; 1 year; \$5,890
 BOSTON UNIVERSITY, Boston, Mass.; 1 year; \$7,175
 1 year; \$7,590
 BOWDOIN COLLEGE, Brunswick, Maine; 2 years; \$5,010
 3 months; \$920
 BRANDEIS UNIVERSITY, Waltham, Mass.; 1 year; \$4,830
 2 years; \$8,650
 1 year; \$6,670
 2 years; \$7,650
 BRIDGEWATER COLLEGE, Bridgewater, Va.; 2 years; \$4,140
 BROWN UNIVERSITY, Providence, R.I.; 1 year; \$19,380
 12 months; \$10,280
 BRYN MAWR COLLEGE, Bryn Mawr, Pa.; 3 months; \$4,140
 2 years; \$9,640
 3 months; \$4,865
 BUCKNELL UNIVERSITY, Lewisburg, Pa.; 3 months; \$5,500
 9 months; \$715
 9 months; \$715
 UNIVERSITY OF BUFFALO, Buffalo, N.Y.; 3 months; \$1,960
 BUTLER UNIVERSITY, Indianapolis, Ind.; 9 months; \$2,590
 CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena, Calif.; 3 months; \$7,130
 2 years; \$8,280
 2 years; \$10,350
 2 years; \$10,350
 UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; 3 months; \$4,565
 3 months; \$16,820
 1 year; \$5,740
 1 year; \$8,840
 1 year; \$9,235
 1 year; \$23,665
 2 years; \$9,000
 CANISUS COLLEGE, Buffalo, N.Y.; 3 months; \$5,950
 CARLETON COLLEGE, Northfield, Minn.; 3 months; \$1,380
 CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; 3 months; \$4,830
 3 months; \$7,900
 9 months; \$2,690
 1 year; \$3,330
 1 year; \$5,890
 1 year; \$7,350
 CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; 3 months; \$5,875
 CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; 1 year; \$4,815
 3 months; \$3,120

UNIVERSITY OF CHICAGO, Chicago, Ill.; 3 months; \$13,210
 3 months; \$5,615
 UNIVERSITY OF CINCINNATI, Cincinnati, Ohio; 1 year; \$3,450
 CITY COLLEGE OF THE COLLEGE OF THE CITY OF NEW YORK, New York, N.Y.; 9 months; \$9,810
 3 months; \$11,040
 CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; 1 year; \$5,750
 COE COLLEGE, Cedar Rapids, Iowa; 9 months; \$495
 3 months; \$1,365
 COLBY COLLEGE, Waterville, Maine; 3 months; \$565
 COLGATE UNIVERSITY, Hamilton, N.Y.; 1 year; \$8,715
 COLLEGE OF CHARLESTON, Charleston, S.C.; 1 year; \$3,360
 COLLEGE OF NOTRE DAME OF MARYLAND, Baltimore, Md.; 9 months; \$4,255
 COLLEGE OF WOOSTER, Wooster, Ohio; 2 years; \$5,090
 2 years; \$11,590
 COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; 3 months; \$5,610
 1 year; \$3,795
 1 year; \$6,230
 UNIVERSITY OF COLORADO, Boulder, Colo.; 3 months; \$12,215
 3 months; \$13,410
 1 year; \$7,670
 COLUMBIA UNIVERSITY, New York, N.Y.; 3 months; \$2,530
 2 years; \$7,385
 UNIVERSITY OF CONNECTICUT, Storrs, Conn.; 1 year; \$2,760
 2 years; \$5,175
 COOPER UNION FOR THE ADVANCEMENT OF SCIENCE, New York, N.Y.; 1 year; \$6,025
 CORNELL COLLEGE, Mount Vernon, Iowa; 1 year; \$3,570
 2 years; \$4,140
 CORNELL UNIVERSITY, Ithaca, N.Y.; 3 months; \$10,350
 CREEDMOOR INSTITUTE FOR PSYCHOBIOLOGIC STUDIES, Jamaica, N.Y.; 2 years; \$6,495
 DARTMOUTH COLLEGE, Hanover, N.H.; 9 months; \$175
 1 year; \$5,175
 2 years; \$3,680
 2 years; \$4,320
 2 years; \$9,150
 2 years; \$11,390
 UNIVERSITY OF DENVER, Denver, Colo.; 1 year; \$4,770
 UNIVERSITY OF DETROIT, Detroit, Mich.; 1 year; \$7,940
 DICKINSON COLLEGE, Carlisle, Pa.; 1 year; \$6,040
 DILLARD UNIVERSITY, New Orleans, La.; 1 year; \$5,575
 DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa.; 3 months; \$3,450
 3 months; \$5,855
 DUKE UNIVERSITY, Durham, N.C.; 2 yrs.; \$10,005
 DUQUESNE UNIVERSITY, Pittsburgh, Pa.; 2 years; \$10,320
 EARLHAM COLLEGE, Richmond, Ind.; 3 months; \$8,680
 EASTERN NAZARENE COLLEGE, Wollaston, Mass.; 2 years; \$10,400
 EVANSVILLE COLLEGE, Evansville, Ind.; 2 years; \$8,855

FAIRFIELD UNIVERSITY, Fairfield, Conn.; 2 years; \$7,590
 FLORIDA AGRICULTURE AND MECHANICAL UNIVERSITY, Tallahassee, Fla.; 1 year; \$4,750
 FLORIDA STATE UNIVERSITY, Tallahassee, Fla.; 1 year; \$12,880
 FORDHAM UNIVERSITY, New York, N.Y.; 1 year; \$14,490
 FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; 3 months; \$8,050
 2 years; \$9,810
 FURMAN UNIVERSITY, Greenville, S.C.; 1 year; \$7,480
 GEORGE WASHINGTON CARVER FOUNDATION OF THE TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; 1 year; \$15,990
 GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, Ga.; 2 years; \$11,730
 UNIVERSITY OF GEORGIA, Athens, Ga.; 1 year; \$3,335
 1 year; \$6,440
 9 months; \$1,060
 GRINNELL COLLEGE, Grinnell, Iowa; 3 months; \$4,740
 GUSTAVUS ADOLPHUS COLLEGE, St. Peter, Minn.; 9 months; \$1,495
 HAMILTON COLLEGE, Clinton, N.Y.; 3 months; \$4,120
 HAMPDEN-SYDNEY COLLEGE, Hampden-Sydney, Va.; 3 months; \$1,000
 HARVARD UNIVERSITY, Cambridge, Mass.; 3 months; \$17,250
 HAVERFORD COLLEGE, Haverford, Pa.; 2 years; \$4,620
 3 months; \$760
 UNIVERSITY OF HAWAII, Honolulu, Hawaii; 1 year; \$4,025
 3 months; \$4,445
 HOLLINS COLLEGE, Hollins College, Va.; 9 months; \$6,555
 HOWARD UNIVERSITY, Washington, D.C.; 9 months; \$5,425
 HUMBOLDT STATE COLLEGE, Arcata, Calif.; 1 year; \$5,170
 ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; 3 months; \$6,610
 1 year; \$5,520
 9 months; \$1,700
 1 year; \$5,640
 UNIVERSITY OF ILLINOIS, Urbana, Ill.; 3 months; \$8,045
 9 months; \$6,605
 1 year; \$8,970
 2 years; \$6,275
 IMMACULATE HEART COLLEGE, Los Angeles, Calif.; 1 year; \$10,810
 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames, Iowa; 1 year; \$9,690
 1 year; \$13,205
 JOHN CARROLL UNIVERSITY, Cleveland, Ohio; 1 year; \$2,765
 JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; 1 year; \$4,195
 1 year; \$9,400
 JUNIATA COLLEGE, Huntingdon, Pa.; 1 year; \$8,220
 KANSAS STATE COLLEGE OF PITTSBURG, Pittsburg, Kans.; 3 months; \$2,725
 9 months; \$2,210
 1 year; \$5,030
 KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; 1 year; \$5,900
 KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Manhattan, Kans.; 3 months; \$2,690
 3 months; \$3,620

9 months; \$770
 1 year; \$4,830
 1 year; \$5,235
 1 year; \$5,750
 1 year; \$6,130
 1 year; \$9,720
 2 years; \$8,805
 UNIVERSITY OF KANSAS, Lawrence, Kans.;
 1 year; \$22,880
 KENTUCKY RESEARCH FOUNDATION, Lexington, Ky.; 1 year; \$33,015
 1 year; \$1,825
 KENYON COLLEGE, Gambier, Ohio; 9 months; \$750
 1 year; \$850
 KNOX COLLEGE, Galesburg, Ill.; 2 years; \$7,265
 LAFAYETTE COLLEGE, Easton, Pa.; 3 months; \$975
 2 years; \$3,795
 LAMAR STATE COLLEGE OF TECHNOLOGY, Beaumont, Tex.; 3 months; \$6,930
 LA VERNE COLLEGE, La Verne, Calif.; 2 years; \$7,880
 LEBANON VALLEY COLLEGE, Annville, Pa.; 3 months; \$4,140
 LEHIGH UNIVERSITY, Bethlehem, Pa.; 3 months; \$4,360
 1 year; \$4,105
 1 year; \$4,430
 2 years; \$11,220
 LINFIELD RESEARCH INSTITUTE, McMinnville, Oreg.; 2 years; \$5,775
 LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Spring Harbor, N.Y.; 3 months; \$8,685
 LOUISIANA POLYTECHNIC INSTITUTE, Ruston, La.; 9 months; \$595
 MANHATTAN COLLEGE, New York, N.Y.; 9 months; \$1,210
 9 months; \$1,840
 2 years; \$5,540
 UNIVERSITY OF MARYLAND, College Park, Md.; 3 months; \$3,740
 1 year; \$7,935
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; 9 months; \$5,500
 MERCYHURST COLLEGE, Erie, Pa.; 3 months; \$2,115
 MIAMI UNIVERSITY, Oxford, Ohio; 3 months; \$8,170
 2 years; \$7,590
 UNIVERSITY OF MIAMI, Coral Gables, Fla.; 2 years; \$7,935
 MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton, Mich.; 3 months; \$750
 3 months; \$3,400
 9 months; \$900
 1 year; \$6,800
 MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing, Mich.; 1 year; \$5,295
 9 months; \$1,840
 1 year; \$16,270
 1 year; \$12,650
 1 year; \$9,495
 1 year; \$4,875
 UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; 1 year; \$3,050
 3 months; \$1,025
 UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; 3 months; \$4,090
 3 months; \$9,240
 1 year; \$11,650
 1 year; \$12,125
 MISSISSIPPI STATE UNIVERSITY, State College, Miss.; 9 months; \$1,840
 9 months; \$2,485
 3 months; \$3,105
 2 months; \$4,025
 3 months; \$4,220
 UNIVERSITY OF MISSOURI, Columbia, Mo.; 9 months; \$2,115
 9 months; \$2,500
 MONTANA STATE UNIVERSITY, Missoula, Mont.; 2 years; \$3,515
 2 years; \$4,865
 MOREHOUSE COLLEGE, Atlanta, Ga.; 2 years; \$6,015
 MOUNT HOLYOKE COLLEGE, South Hadley, Mass.; 3 months; \$4,785
 MUHLENBERG COLLEGE, Allentown, Pa.; 2 years; \$5,635
 UNIVERSITY OF NEBRASKA, Lincoln, Nebr.; 1 year; \$4,365
 2 years; \$9,660
 NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, Newark, N.J.; 9 months; \$2,015
 NEW JERSEY NEURO-PSYCHIATRIC INSTITUTE, Princeton, N.J.; 1 year; \$2,130; 1 year; \$3,945
 NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro, N. Mex.; 3 months; \$9,780
 NEW MEXICO STATE UNIVERSITY, University Park, N. Mex.; 1 year; \$23,380
 NEW YORK UNIVERSITY, New York, N.Y.; 9 months; \$3,050
 3 months; \$5,510
 NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING, Raleigh, N.C.; 9 months; \$5,395
 9 months; \$8,225
 1 year; \$3,340
 1 year; \$4,545
 1 year; \$7,075
 UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; 3 months; \$3,315
 3 months; \$5,540
 3 months; \$6,210
 3 months; \$6,625
 1 year; \$5,005
 2 years; \$9,945
 NORTH DAKOTA AGRICULTURAL COLLEGE, Fargo, N. Dak.; 1 year; \$15,675
 1 year; \$5,275
 1 year; \$4,210
 UNIVERSITY OF NORTH DAKOTA, Grand Forks, N. Dak.; 3 months; \$570
 3 months; \$3,100
 9 months; \$245
 9 months; \$750
 9 months; \$855
 9 months; \$1,150
 2 years; \$3,600
 2 years; \$5,725
 2 years; \$8,715
 9 months; \$730
 NORTHEASTERN UNIVERSITY, Boston, Mass.; 9 months; \$4,500
 NORTHERN ILLINOIS UNIVERSITY, De Kalb, Ill.; 3 months; \$2,990
 NORTHWEST NAZARENE COLLEGE, Nampa, Idaho; 1 year; \$3,720
 NORTHWESTERN STATE COLLEGE OF LOUISIANA, Natchitoches, La.; 9 months; \$575
 NORTHWESTERN UNIVERSITY, Evanston, Ill.; 3 months; \$14,730
 3 months; \$4,140
 1 year; \$9,395
 UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; 9 months; \$1,670
 3 months; \$955
 OBERLIN COLLEGE, Oberlin, Ohio; 3 months; \$4,485

OHIO STATE UNIVERSITY, Columbus, Ohio; 1 year; \$7,015
 9 months; \$900
 OHIO UNIVERSITY, Athens, Ohio; 2 years; \$9,655
 UNIVERSITY OF OKLAHOMA, Norman, Okla.; 2 years; \$3,930
 OREGON FOREST RESEARCH CENTER, Corvallis, Ore.; 3 months; \$2,610
 OREGON STATE COLLEGE, Corvallis, Ore.; 3 months; \$5,060
 9 months; \$480
 9 months; \$1,840
 9 months; \$2,635
 1 year; \$3,710
 1 year; \$4,335
 1 year; \$4,740
 1 year; \$7,070
 1 year; \$7,200
 2 years; \$4,305
 UNIVERSITY OF OREGON, Eugene, Ore.; 1 year; \$31,820
 PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; 1 year; \$4,370
 UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; 1 year; \$4,530
 2 years; \$8,310
 2 years; \$9,660
 2 years; \$10,350
 UNIVERSITY OF PITTSBURGH, Pittsburgh, Pa.; 2 years; \$10,120
 POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; 9 months; \$4,515
 3 months; \$10,465
 POMONA COLLEGE, Claremont, Calif.; 1 year; \$14,185
 UNIVERSITY OF PORTLAND, Portland, Ore.; 2 years; \$4,830
 PRINCETON UNIVERSITY, Princeton, N.J.; 1 year; \$14,625
 UNIVERSITY OF PUERTO RICO, Rio Piedras, Puerto Rico; 9 months; \$2,800
 PURDUE UNIVERSITY, Lafayette, Ind.; 1 year; \$6,270
 UNIVERSITY OF REDLANDS, Redlands, Calif.; 1 year; \$6,130
 REED COLLEGE, Portland, Ore.; 1 year; \$5,835
 RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; 3 months; \$3,865
 3 months; \$4,200
 3 months; \$6,660
 2 years; \$3,740
 2 years; \$4,050
 2 years; \$4,830
 2 years; \$7,875
 RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany, N.Y.; 3 months; \$13,540
 UNIVERSITY OF RHODE ISLAND, Kingston, R.I.; 3 months; \$1,070
 3 months; \$1,070
 3 months; \$1,185
 3 months; \$1,245
 RICE INSTITUTE, Houston, Tex.; 1 year; \$5,405
 UNIVERSITY OF ROCHESTER, Rochester, N.Y.; 3 months; \$6,215
 2 years; \$9,840
 ROCKY MOUNTAIN BIOLOGICAL LABORATORY, Crested Butte, Colo.; 3 months; \$9,730
 ROLLINS COLLEGE, Winter Park, Fla.; 1 year; \$5,670
 ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; 3 months; \$22,170
 ROSEMONT COLLEGE, Rosemont, Pa.; 3 months; \$3,250
 RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; 9 months; \$3,565
 SAINT JOSEPH COLLEGE, West Hartford, Conn.; 2 years; \$9,570
 ST. LOUIS UNIVERSITY, St. Louis, Mo.; 3 months; \$2,705
 9 months; \$1,655
 9 months; \$2,070
 1 year; \$4,990
 2 years; \$4,005
 2 years; \$6,550
 SAINT MARY'S COLLEGE, Winona, Minn.; 1 year; \$5,100
 1 year; \$7,870
 ST. OLAF COLLEGE, Northfield, Minn.; 1 year; \$9,150
 SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; 1 year; \$5,465
 UNIVERSITY OF SAN FRANCISCO, San Francisco, Calif.; 1 year; \$4,200
 SAN JOSE STATE COLLEGE, San Jose, Calif.; 1 year; \$10,600
 UNIVERSITY OF SCRANTON, Scranton, Pa.; 3 months; \$4,430
 2 years; \$8,460
 SEATTLE UNIVERSITY, Seattle, Wash.; 1 year; \$1,520
 12 months; \$4,890
 SMITH COLLEGE, Northampton, Mass.; 1 year; \$4,890
 UNIVERSITY OF SOUTH CAROLINA, Columbia, S.C.; 1 year; \$5,500
 1 year; \$6,210
 2 years; \$4,485
 2 years; \$4,830
 SOUTH DAKOTA STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS, Brookings, S. Dak.; 1 year; \$3,420
 2 years; \$11,040
 UNIVERSITY OF THE SOUTH, Sewanee, Tenn.; 1 year; \$5,140
 SOUTHERN ILLINOIS UNIVERSITY, Carbondale, Ill.; 1 year; \$6,795
 1 year; \$2,590
 SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; 9 months; \$4,390
 SOUTHERN MISSIONARY COLLEGE, Colledale, Tenn.; 1 year; \$6,040
 SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; 9 months; \$1,225
 SOUTHWESTERN AT MEMPHIS, Memphis, Tenn.; 2 years; \$5,735
 STANFORD UNIVERSITY, Stanford, Calif.; 3 months; \$6,255
 2 years; \$9,660
 STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; 2 years; \$11,105
 STATE UNIVERSITY OF IOWA, Iowa City, Iowa; 3 months; \$3,450
 9 months; \$865
 1 year; \$4,165
 1 year; \$4,315
 SWARTHMORE COLLEGE, Swarthmore, Pa.; 3 months; \$8,165
 2 years; \$10,895
 3 months; \$5,865
 SYRACUSE UNIVERSITY RESEARCH INSTITUTE, Syracuse, N.Y.; 3 months; \$1,800
 1 year; \$11,915
 TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville, Tenn.; 9 months; \$900
 TENNESSEE POLYTECHNIC INSTITUTE, Cookeville, Tenn.; 9 months; \$4,830

UNIVERSITY OF TENNESSEE, Knoxville, Tenn.; 1 year; \$4,280
 9 months; \$500
 1 year; \$2,490
 TEXAS CHRISTIAN UNIVERSITY, Fort Worth, Tex.; 1 year; \$4,200
 TEXAS LUTHERAN COLLEGE, Seguin, Tex.; 1 year; \$7,590
 TEXAS WOMAN'S UNIVERSITY, Denton, Tex.; 1 year; \$2,660
 UNIVERSITY OF TEXAS, Austin, Tex.; 8 months; \$2,025
 2 years; \$4,155
 2 years; \$8,325
 UNIVERSITY OF TOLEDO, Toledo, Ohio; 9 months; \$920
 TULANE UNIVERSITY OF LOUISIANA, New Orleans, La.; 9 months; \$7,985
 UTAH STATE UNIVERSITY, Logan, Utah; 8 months; \$3,915
 UNIVERSITY OF UTAH, Salt Lake City, Utah; 3 months; \$10,120
 8 months; \$10,280
 1 year; \$2,460
 VANDERBILT UNIVERSITY, Nashville, Tenn.; 1 year; \$4,300
 VASSAR COLLEGE, Poughkeepsie, N.Y.; 2 years; \$5,985
 UNIVERSITY OF VERMONT, Burlington, Vt.; 1 year; \$5,405
 1 year; \$3,850
 VIRGINIA FISHERIES LABORATORY, Gloucester Point, Va.; 3 months; \$8,055
 WABASH COLLEGE, Crawfordsville, Ind.; 2 years; \$11,805
 WASHINGTON STATE UNIVERSITY, Pullman, Wash.; 1 year; \$2,210
 2 years; \$4,705
 UNIVERSITY OF WASHINGTON, Seattle, Wash.; 2 years; \$9,390
 WESLEYAN UNIVERSITY, Middletown, Conn.; 2 years; \$3,395
 WEST VIRGINIA UNIVERSITY, Morgantown, W. Va.; 1 year; \$5,520
 1 year; \$7,360
 WESTERN MICHIGAN UNIVERSITY, Kalamazoo, Mich.; 1 year; \$6,465
 WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; 1 year; \$22,340
 WESTERN STATE COLLEGE OF COLORADO, Gunnison, Colo.; 2 years; \$11,820
 WHEATON COLLEGE, Norton, Mass.; 8 months; \$1,710
 WHITTIER COLLEGE, Whittier, Calif.; 2 years; \$4,350
 UNIVERSITY OF WICHITA, Wichita, Kans.; 9 months; \$345
 1 year; \$2,400
 WILKES COLLEGE, Wilkes-Barre, Pa.; 2 years; \$4,850
 UNIVERSITY OF WISCONSIN, Madison, Wis.; 3 months; \$875
 1 year; \$11,350
 WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; 3 months; \$2,185
 8 months; \$8,400
 XAVIER UNIVERSITY, Cincinnati, Ohio; 1 year; \$4,025
 9 months; \$460
 YALE UNIVERSITY, New Haven, Conn.; 3 months; \$11,270
 1 year; \$3,450
 1 year; \$5,520
 1 year; \$6,705
 2 years; \$10,985
 2 years; \$11,890

UNDERGRADUATE RESEARCH TRAINING PROGRAM

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station, Tex.; 3 months; \$2,550
 AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro, N.C.; 3 months; \$5,650
 UNIVERSITY OF ARKANSAS, Fayetteville, Ark.; 9 months; \$1,610
 ARLINGTON STATE COLLEGE, Arlington, Tex.; 3 months; \$1,600
 9 months; \$575
 1 year; \$3,095
 BELOIT COLLEGE, Beloit, Wis.; 1 year; \$5,595
 BETHANY COLLEGE, Bethany, W. Va.; 1 year; \$5,900
 BRADFORD DURFEE COLLEGE OF TECHNOLOGY, Fall River, Mass.; 1 year; \$4,805
 CARROLL COLLEGE, Waukesha, Wis.; 1 year; \$3,345
 CENTRAL COLLEGE, Pella, Iowa; 1 year; \$4,500
 CHAPMAN COLLEGE, Orange, Calif.; 1 year; \$3,580
 COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; 2 years; \$7,755
 1 year; \$4,220
 1 year; \$7,420
 CORNELL UNIVERSITY, Ithaca, N.Y.; 3 months; \$7,635
 DARTMOUTH COLLEGE, Hanover, N.H.; 9 months; \$5,750
 3 months; \$6,255
 DEFIANCE COLLEGE, Defiance, Ohio; 1 year; \$3,550
 UNIVERSITY OF DENVER, Denver, Colo.; 2 years; \$3,570
 DREW UNIVERSITY, Madison, N.J.; 3 months; \$6,255
 EARLHAM COLLEGE, Richmond, Ind.; 3 months; \$5,925
 GENEVA COLLEGE, Beaver Falls, Pa.; 1 year; \$7,900
 GRINNELL COLLEGE, Grinnell, Iowa; 3 months; \$6,130
 HAMPTEN-SYDNEY COLLEGE, Hampton-Sydney, Va.; 2 years; \$3,300
 HARVEY MUDD COLLEGE, Claremont, Calif.; 1 year; \$6,900
 IDAHO STATE COLLEGE, Pocatello, Idaho; 9 months; \$955
 9 months; \$1,415
 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames, Iowa; 2 years; \$7,750
 2 years; \$8,370
 JUNIATA COLLEGE, Huntingdon, Pa.; 9 months; \$3,195
 UNIVERSITY OF KANSAS, Lawrence, Kans.; 3 months; \$3,635
 9 months; \$3,105
 KENYON COLLEGE, Gambler, Ohio; \$400
 KING'S COLLEGE, Wilkes-Barre, Pa.; 2 years; \$8,420
 LAFAYETTE COLLEGE, Easton, Pa.; 1 year; \$8,655
 2 years; \$3,795
 LA VERNE COLLEGE, La Verne, Calif.; 1 year; \$3,625
 LOYOLA UNIVERSITY, New Orleans, La.; 1 year; \$5,430
 MARIAN COLLEGE, Indianapolis, Ind.; 9 months; \$2,875
 MEXICO CITY COLLEGE, Carretera Mexico Toluca, Mexico; 8 months; \$5,250

MILLSAPS COLLEGE, Jackson, Miss.; 2 years; \$34,065
MISSISSIPPI STATE UNIVERSITY, State College, Miss.; 9 months; \$2,215
3 months; \$4,345
MOUNT MARY COLLEGE, Milwaukee, Wis.; 9 months; \$500
NEWARK COLLEGE OF ENGINEERING, Newark, N.J.; 3 months; \$2,755
3 months; \$4,755
NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING, Raleigh, N.C.; 1 year; \$4,455
UNIVERSITY OF NORTH DAKOTA, Grand Forks, N. Dak.; 9 months; \$1,405
NOTRE DAME COLLEGE, Cleveland, Ohio; 2 years; \$7,885
OCCIDENTAL COLLEGE, Los Angeles, Calif.; 2 years; \$6,690
OHIO WESLEYAN UNIVERSITY, Delaware, Ohio; 1 year; \$3,235
2 years; \$9,670
OREGON STATE COLLEGE, Corvallis, Oreg.; 3 months; \$4,250
9 months; \$770
9 months; \$705
9 months; \$730
PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; 3 months; \$805
UNIVERSITY OF PUERTO RICO, Rio Piedras, P.R.; 2 years; \$7,710
REED COLLEGE, Portland, Oreg.; 1 year; \$5,405
RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; 1 year; \$3,855
ST. JOHN'S UNIVERSITY, Collegeville, Minn.; 1 year; \$2,500
ST. JOSEPH COLLEGE, Emmitsburg, Md.; 1 year; \$2,240
ST. JOSEPH'S COLLEGE FOR WOMEN, Brooklyn, N.Y.; 1 year; \$3,070
ST. MARY'S COLLEGE, Notre Dame, Ind.; 2 years; \$8,115
SAN DIEGO STATE COLLEGE FOUNDATION, San Diego, Calif.; 1 year; \$9,920
1 year; \$8,395
SKIDMORE COLLEGE, Saratoga Springs, N.Y.; 2 years; \$3,000
SMITH COLLEGE, Northampton, Mass.; 2 years; \$8,825
SOUTHEAST MISSOURI STATE COLLEGE, Cape Girardeau, Mo.; 1 year; \$8,715
SOUTHWESTERN AT MEMPHIS, Memphis, Tenn.; 2 years; \$8,295
1 year; \$7,820
STETSON UNIVERSITY, De Land, Fla.; 9 months; \$2,015
UNIVERSITY OF TAMPA, Tampa, Fla.; 3 months; \$1,755
TEXAS WOMAN'S UNIVERSITY, Denton, Tex.; 2 years; \$11,385
UNIVERSITY OF TOLEDO, Toledo, Ohio; 1 year; \$14,590
VASSAR COLLEGE, Poughkeepsie, N.Y.; 1 year; \$4,260
VILLANOVA UNIVERSITY, Villanova, Pa.; 1 year; \$2,990
9 months; \$1,300
VIRGINIA STATE COLLEGE, Petersburg, Va.; 1 year; \$6,160
WASHINGTON STATE UNIVERSITY, Pullman, Wash.; 9 months; \$920
WAYNE STATE UNIVERSITY, Detroit, Mich.; 3 months; \$6,480
WESLEYAN UNIVERSITY, Middletown, Conn.; 3 months; \$3,335
WEST VIRGINIA WESLEYAN COLLEGE, Buckhannon, W. Va.; 2 years; \$5,340

WILKES COLLEGE, Wilkes-Barre, Pa.; 1 year; \$3,045
UNIVERSITY OF WISCONSIN, Madison, Wis.; 1 year; \$9,205
WORFORD COLLEGE, Spartanburg, S.C.; 9 months; \$560
XAVIER UNIVERSITY, Cincinnati, Ohio; 3 months; \$1,840
YALE UNIVERSITY, New Haven, Conn.; 1 year; \$2,880
1 year; \$5,865

VISITING SCIENTIST PROGRAM

AMERICAN ANTHROPOLOGICAL ASSOCIATION, Washington, D.C.; Leslie A. White; *Program of Visiting Lecturers in Anthropology*; 1 year; \$21,670
AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Donald J. Cook; *Program of Visiting Scientists in Chemistry*; 1 year; \$10,900
Donald J. Cook; *Visiting Scientists Program to Secondary Schools*; 1 year; \$17,500
AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Hiden T. Cox; *Program of Visiting Lecturers in Biology to High Schools*; 1 year; \$7,475
Hiden T. Cox; *Program of Visiting Scientists in Biology*; June 30, 1961; \$76,070
Hiden T. Cox; *Program of Visiting Lecturers in Biology to High Schools*; 1 year; \$26,680
AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *Program of Visiting Scientists in Physics to High Schools*; 1 year; \$29,730
AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; John G. Darley; *Program of Visiting Lecturers in Psychology*; 1 year; \$25,030
ARKANSAS ACADEMY OF SCIENCE, ARKANSAS STATE TEACHERS COLLEGE, Conway, Ark.; John W. Keesee; *Visiting Scientists Program for the High Schools in Arkansas*; 1 year; \$10,730
COLORADO-WYOMING ACADEMY OF SCIENCE, UNIVERSITY OF WYOMING, Laramie, Wyoming; Richard G. Beldleman; *Colorado-Wyoming Visiting Science Lectureship Program*; 1 year; \$3,480
INDIANA ACADEMY OF SCIENCE, PURDUE UNIVERSITY, Lafayette, Ind.; Howard M. Michaud; *Visiting Scientists Program for High Schools*; 1 year; \$17,150
MARYLAND ACADEMY OF SCIENCES, Baltimore, Md.; Thomson King; *Visiting Scientists Program*; 1 year; \$1,220
MINNESOTA ACADEMY OF SCIENCE, ST. OLAF COLLEGE, Northfield, Minn.; Harold W. Hansen; *Visiting Scientists Program and Science Teachers Institute*; 1 year; \$22,700
MONTANA ACADEMY OF SCIENCES, MONTANA STATE COLLEGE, Bozeman, Mont.; El. W. Anacker; *Visiting Scientists Program for High Schools*; 1 year; \$12,880
NEBRASKA ACADEMY OF SCIENCES, INC., CONCORDIA COLLEGE, Seward, Nebr.; James A. Rutledge; *Visiting Scientists Program*; 1 year; \$15,550
NEW MEXICO ACADEMY OF SCIENCE, NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro, N. Mex.; Burrell L. Wood; *Visiting Scientist Program for the High Schools in New Mexico*; 2 years; \$5,110
OHIO ACADEMY OF SCIENCE, Columbus, Ohio; Kenneth B. Hobbs; *Visiting Scientists Program for the Public and Private Schools of Ohio*; 1 year; \$21,970

SOCIETY OF AMERICAN FORESTERS, Washington, D.C.; Henry Clepper; *A Visiting Scientists Program*; 1 year; \$15,730

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY, UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Fred B. Dickinson, University of California; *Program of Visiting Scientists in Wood Science and Technology*; 3 years; \$13,720

TEXAS ACADEMY OF SCIENCE, TEXAS INSTRUMENTS, INC., Dallas, Tex.; Addison E. Lee; *Texas Academy of Science Visiting Scientists Program*; 1 year; \$25,300

UTAH ACADEMY OF SCIENCE, ARTS AND LETTERS, UNIVERSITY OF UTAH, Salt Lake City, Utah; Orson A. Young; *Visiting Scientist Program for the High Schools in Utah*; 1 year; \$7,570

VIRGINIA ACADEMY OF SCIENCE, WASHINGTON AND LEE UNIVERSITY, Lexington, Va.; John C. Forbes; *Visiting Scientists Program*; 1 year; \$4,890

WEST VIRGINIA ACADEMY OF SCIENCE, FAIRMONT STATE COLLEGE, Fairmont, W. Va.; John C. Wright, West Virginia Wesleyan College; *Visiting Scientists Program for West Virginia High Schools*; 1 year; \$5,880

VISITING FOREIGN SCIENTIST PROGRAM

AMERICAN ASTRONOMICAL SOCIETY, New York, N.Y.; Joseph M. Chamberlain; 1 year; \$23,875

Joseph M. Chamberlain; 2 years; \$56,090

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Samuel P. Massie, 7 months; \$25,000

Donald J. Cook; June 30, 1961; \$35,000

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Hiden T. Cox; 1 year; \$50,300

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchinsson; 1 year; \$27,270

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; 1 year; \$25,000

Kenneth C. Spengler; 1 year; \$46,800

ENGINEERS JOINT COUNCIL, New York, N.Y.; Josef Wischeldt, Jr.; 7 months; \$25,000

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Robert C. Stephenson, American Geological Institute; 2 years; \$57,000

COURSE CONTENT IMPROVEMENT

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; John R. Mayor; *Study of the Feasibility of a Major Effort to Improve Science Courses in Elementary and Junior High School Grades*; 1 year; \$58,310

AMERICAN ASSOCIATION OF PHYSICS TEACHERS, DARTMOUTH COLLEGE, Hanover, N.H.; F. W. Sears; *Conference in Three Meetings to Develop a National Program for the Improvement of College Physics Courses*; 6 months; \$69,000

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; H. Bentley Glass; *Continuation of the Secondary Program of the Biological Sciences Curriculum Study*; 1 year; \$1,280,000

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, New York, N.Y.; F. J. Van Antwerpen; *Study of Curricula in Chemical Engineering*; 16 months; \$23,150

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchinsson; *Apparatus Drawings Project*; 1 year; \$31,280

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; K. C. Spengler; *Development of Educational Motion Pictures and Lantern Slides in Meteorology*; 1 year; \$89,700

Kenneth C. Spengler; *Development of a Monograph Series in Meteorology*; 1 year; \$14,950

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Bennett R. Willeford, Jr.; *Conference on the Undergraduate Training of Chemistry Majors*; 1 week; \$14,190

UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Robert Karplus, and Leo Brewer; *Continuation of a Study of Course Content Improvement in Elementary-School Science*; 1 year; \$51,750

A. L. Kroeber and S. A. Barrett; *Documentary Sound Color Films and Sound Systems and for Student Training in This Specialized Work*; 1 year; \$78,000

David G. Mandelbaum; *Conference on Educational Resources in Anthropology*; during the spring of 1961; \$13,750

Donald M. Reynolds; *Production of Short Motion Picture Films for University Level Instruction in Microbiology*; 1 year; \$38,590

Glenn T. Seaborg; *Organization of a Chemical Education Materials Study*; 7 months; \$125,000

Glenn T. Seaborg; *Preliminary Conference of the Steering Committee of the Proposed Chemical Education Materials Study (CHEM)*; 3 days; \$9,775

Glenn T. Seaborg; *Organization of a Chemical Education Materials Study*; 1 year; \$475,000

B. G. Sherburne; *Production of Eight Thirty-Minute Films on the Nature of Viruses*; 1 year; \$109,980

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; James R. Hooper, Jr.; *Workshop on Materials in Electrical Engineering Education*; 5 days; \$3,300

UNIVERSITY OF CONNECTICUT, Storrs, Conn.; J. T. Stock; *Development of Apparatus for Chemical Analyses and Preparations on the Micro- and Semimicro-Scale*; 5 years; \$13,460

COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, New York, N.Y.; F. A. Wallace; *A Study of the Scope and Content of Undergraduate Curricula in Civil Engineering*; 1 year; \$43,410

DARTMOUTH COLLEGE, Hanover, N.H.; John W. Dewdney; *Development of a Basic Mass Spectrometer*; 1 year; \$5,930

UNIVERSITY OF DAYTON, Dayton, Ohio; Raymond J. Stith; *Development of Inexpensive, Transparent, Flexible Models for Observation and Demonstration of Internal Deformation Patterns, for Courses in Mechanics of Materials*; 1 year, \$4,170

DUKE UNIVERSITY, Durham, N.C.; F. W. Woods; *Laboratory Exercises for the Study of Stratification in Forest Microclimates*; 1 year; \$5,630

EARLHAM COLLEGE, Richmond, Ind.; Laurence E. Strong; *An Introductory Chemistry Course Based on the Chemical Bond Approach*; 9 months; \$443,550

EDUCATIONAL SERVICES INCORPORATED, Watertown, Mass.; Jerrold R. Zacharias; *Extension of PSSC Films to 45 Minutes for TV and Classroom Use*; 1 year; \$87,500

Jerrold R. Zacharias; *The Development of a Secondary-School Physics Course by the Physical Science Study Committee*; 1 year; \$350,000

GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; Raymond R. Fox; *Development of a Vortex Tank-Tunnel, Visual Pipe Network, Dynamic Model and Portable Vibration Simulator as Civil Engineering Teaching Aids*; 10 months; \$1,960

HARVARD UNIVERSITY, Cambridge, Mass.; J. O. Brew, Peabody Museum; *Visual Anthropology*; 3 years; \$110,170

George Wald; *Introductory College Course in Biology*; 3 years; \$59,100

UNIVERSITY OF HOUSTON, Houston, Tex.; T. N. Hatfield; *Development of Apparatus for Experiments on Momentum in Introductory Physics Courses*; 1 year; \$6,210

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, Ill.; B. S. Swanson; *The Development of Equipment and a Manual for Laboratory Instruction in Automatic Process Control*; 1 year; \$15,520

UNIVERSITY OF ILLINOIS, Urbana, Ill.; David A. Page; *Experimental Motion Pictures for Mathematics Teachers*; 1 year; \$57,240

J. Myron Atkin and Stanley P. Wyatt, Jr.; *Elementary-School Science Course Content Improvement Project*; 1 year; \$40,600

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; Lloyd M. Bates; *Development of a Model X-ray Circuit*; 1 year; \$4,660

LEHIGH UNIVERSITY, Bethlehem, Pa.; James B. Hartman; *Development of Educational Aids in Mechanical Engineering*; 2 years; \$21,670

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; Rolf Eliassen; *A Study Conference on Sanitary Engineers and Scientists on the Improvement of Graduate Curricula for Sanitary Engineers*; 2 days; \$15,000

Kurt S. Lion; *Development Program for a Laboratory Course in Instrumentation*; 1 year; \$24,500

MATHEMATICAL ASSOCIATION OF AMERICA, UNIVERSITY OF WASHINGTON, Seattle, Wash.; R. C. Buck; *Committee on the Undergraduate Program in Mathematics*; 2 years; \$350,000

MICHIGAN STATE UNIVERSITY, East Lansing, Mich.; F. B. Dutton; *Development of Large-Scale Lecture-Table Thermometer and Voltmeter*; 1 year; \$5,980

MINNESOTA ACADEMY OF SCIENCE, St. Paul, Minn.; Paul C. Rosenbloom; *Summer Television Program for Teachers of Mathematics*; 7 months; \$105,800

UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; Lorenz G. Straub; *Production of Instructional Motion Pictures in Fluid Mechanics*; 1 year; \$19,750

MISSOURI BOTANICAL GARDEN, St. Louis, Mo.; F. W. Went; *Design of a Simple Classroom Plant Growth Chamber*; 1 year; \$8,400

MONTANA STATE COLLEGE, Bozeman, Mont.; William B. Cook; *Conference on Course Content and Philosophy of General Chemistry for Nonscience Majors*; 1 week; \$11,580

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, Washington, D.C.; Frank B. Allen, Lyons Township High School and Junior College, La Grange, Ill.; *Regional Conferences on School Supervisors of the New Curriculum in Mathematics*; 1 year; \$48,350

NEW MEXICO HIGHLANDS UNIVERSITY, Las

Vegas, N. Mex.; G. W. Ewing; *Equipment Development for College and University Courses in Instrumental Methods in Chemical Analysis, Physical Chemistry and Related Fields*; 2 years; \$20,320

NEW YORK UNIVERSITY, New York, N.Y.; Isidor Auerbach; *Development of a Fluorescent Lamp System for Teaching Alternating Current Circuits in High School and College Physics*; 1 year; \$5,860

Louis Auerbach; *Development of New Types of Christiansen Filters and a Spectrophotometer Based Upon Them*; 1 year; \$7,650

NORTH CAROLINA STATE COLLEGE, Raleigh, N.C.; John F. Lee; *Disciplinary Study and Revision of the Content of Courses in Experimental Mechanical Engineering*; 2 years; \$85,200

NORTHWESTERN UNIVERSITY, Evanston, Ill.; D. D. DeFord; *Development of Multipurpose Instrument for Quantitative Analysis and Quantitative Chemical Measurements*; 3 years; \$37,790

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Robert S. Elkenberry; *The Design of an Educational Smoke Tunnel for Air-Flow Visualization*; 1 year; \$4,790

V. P. Goddard; *Development of Supersonic Streamline Visualization*; 1 year; \$9,410

OHIO STATE UNIVERSITY, Columbus, Ohio; Alfred Lande; *A New Approach to the Teaching of Quantum Mechanics*; 6 months; \$2,000

OHIO STATE UNIVERSITY RESEARCH FOUNDATION, Columbus, Ohio; Melvin S. Newman and William N. White; *Study Aimed at Improvement of Laboratory Causes in Organic Chemistry*; 1 year; \$8,240

OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater, Okla.; Scott T. Poage; *Development of a Mechanical Model of the Binary Adder*; 7 months; \$2,390

Scott T. Poage; *Development of a Waiting Line Simulator*; 1 year; \$3,900

OREGON COLLEGE OF EDUCATION, Monmouth, Oreg.; Allen L. Fulmer; *Development of Inexpensive Digital Computers and Logical Building Blocks*; 2 years; \$18,160

PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; John A. Fox; *Design and Construction of a Small Laboratory and Demonstration Hypersonic Wind Tunnel*; 1 year; \$12,520

POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; Paul R. DeCicco; *Design and Construction of a Portable Electronic Analog Simulator-Computer Demonstrator*; 14 months; \$13,050

PRINCETON UNIVERSITY, Princeton, N.J.; Hubert N. Aleya; *Projection Techniques for Lecture Demonstrations in Science*; 13 months; \$11,110

QUEENS COLLEGE, Flushing, N.Y.; Morris B. Abramson; *Development of Apparatus and an Instructional Manual for Classroom Demonstrations and Laboratory Experiments in Simple Harmonic Motion, Vibration of the Spring, Formation of Sine Waves, A.C. Voltages and Propagation of Waves*; 1 year; \$7,550

REED COLLEGE, Portland, Oreg.; F. D. Tabbutt; *Development of Equipment and Experiments for Teaching Instrumental Chemical Analysis*; 1 year; \$6,080

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Walter Eppenstein; *Demonstrations for Use With the Overhead Projector in Physics Lectures*; 1 year; \$5,750

Heinrich Medicus; *Workshop for Demonstration Lectures in Physics*; 6 months; \$20,850

Robert Resnick; *Summer Program for the Study of Introductory Physics Courses in Colleges*; 1 year; \$29,900

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany, N.Y.; William M. Harlow; *Production of a Motion Picture on the Mechanism of Moisture Movement in Wood*; 2 years; \$14,210

UNIVERSITY OF ROCHESTER, Rochester, N.Y.; Everett M. Hafner; *Development of Equipment for Lecture Demonstrations, Laboratory Instruction and Corridor Demonstrations for Undergraduate Physics Courses*; 14 months; \$9,550

SACRAMENTO STATE COLLEGE FOUNDATION, Sacramento, Calif.; G. N. Beaumariage, Jr.; *Aids, Models, Overlays and Laboratory Furnaces for Demonstrating Atomic and Molecular Relationships in the Study of Phase, Crystal and Other Properties of Engineering Materials*; 1 year; \$8,920

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY, UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Stephen B. Preston; *Study of Education in Wood Science and Technology*; 2 years; \$29,900

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Frank W. Tippitt; *Design and Development of Small-Scale Demonstration Tape-Control Unit for a Machine Tool*; 1 year; \$4,780

SOUTHWESTERN AT MEMPHIS, Memphis, Tenn.; Jack Conrad; *Development of a Basic Slide Collection for Anthropology Courses*; 4 months; \$4,400

STATE UNIVERSITY OF IOWA, Iowa City, Iowa; T. R. Porter; *Production of Instructional Films on "Slime Molds" and "Teacher Materials on Slime Molds"*; 2 years; \$7,420

Hunter Rouse; *Production of Instructional Motion Pictures in Fluid Mechanics*; 1 year; \$14,000

UNIVERSITY OF VIRGINIA, Charlottesville, Va.; Clifford M. Siegel; *Development of Laboratory Aids for the Teaching of Electrical Engineering*; 1 year; \$6,590

WEST VIRGINIA UNIVERSITY, Morgantown, W. Va.; Charles C. Boyer and T. Walley Williams; *Development of Stereophotomicrography and Other Methods for the Study and Teaching of Submacroscopic Anatomy*; 1 year; \$8,170

YALE UNIVERSITY, New Haven, Conn.; E. G. Begle; *School Mathematics Study Group*; 1 year; \$1,750,000

A. D. Patterson, Jr. and David G. Anderson; *A Film Program for Courses in General Chemistry at Advanced Secondary School and College Levels*; 3 years; \$150,000

YESHIVA UNIVERSITY, New York, N.Y.; Roman Vishniac, Albert Einstein College of Medicine; *Living Biology, Film Series*; 18 months; \$112,840

OTHER EDUCATION IN THE SCIENCES GRANTS

ACADEMY OF SCIENCE OF ST. LOUIS, St. Louis, Mo.; Muri Deusing; *Science Careers Program*; 1 year; \$17,850

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station, Tex.; E. B. Middleton; *Secondary School Science Teacher Training Program for Retired Military Personnel*; 30 months; \$22,435

K. M. Rae; *Supplementary Training for Teachers*; 4 weeks; \$27,185

Melvin C. Schroeder; *Four-Week College Workshop in Rocks and Minerals for Junior High School and Elementary School Teachers*; 1 year; \$25,400

AGRICULTURAL RESEARCH SERVICE, U.S. DEPARTMENT OF AGRICULTURE, Washington, D.C.; H. A. Rodenhiser; *Animal Husbandry Exchange Mission to the USSR*; 6 weeks; \$1,500

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Hilary J. Deason; *Traveling High School Science Library Program*; 1 year; \$248,000

Dael Wolfe; *Traveling Science Libraries*; 1 year; \$248,090

William P. Viall; *Study of Qualifications and Teaching Loads of Secondary Teachers of Science and Mathematics*; 14 months; \$56,000

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; R. E. Henze; *Preparation, Printing and Distribution of a Career Information Booklet on Chemistry*; 1 year; \$11,250

AMERICAN FOUNDATION FOR CONTINUING EDUCATION, Chicago, Ill.; Jerome M. Ziegler; *Program of Citizen Education in Science*; 2 years; \$96,900

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Hiden T. Cox; *Preparation of a Biological Science Career Manuscript*; 1 year; \$5,980

Harold F. Osborne, Biology News Bureau; *Conferences on Science Information*; 3 days; \$15,000

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, New York, N.Y.; F. J. Van Antwerpen; *One-Day Special Lecture Program in Advanced Engineering Concepts Pertaining to Process Development by Statistical Methods*; 1 day; \$3,100

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS, New York, N.Y.; Grant C. Riggle; *New Challenges to Electrical Engineers from Medical and Biological Problems*; 1 day; \$450

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Sanborn C. Brown; *International Conference on Physics Education*; 1 year; \$14,000

Elmer Hutchisson; *Career Information Literature in Physics*; 1 year; \$9,430

Elmer Hutchisson; *Three Seminars for Science Writers*; 1 day each; \$8,450

Wallace Waterfall; *Translation of Russian Physics Lecture Demonstration Manuals*; 1 year; \$9,000

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *Four-Week Special Field Institute in Modern Physical Theories and Associated Mathematical Developments*; 4 weeks; \$18,250

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Vincent J. Schafer; *Supplementary Student Science Project*; 6 weeks; \$9,280

Kenneth C. Spengler; *Career Guidance Literature in Meteorology*; 1 year; \$8,740

AMERICAN PHYSIOLOGICAL SOCIETY, Washington, D.C.; Ray G. Dages; *Two Week Workshop on the Teaching of Physiology in Undergraduate Colleges During the Month*

- of August in the Summers of 1961-62-63; 3 years; \$23,745
- AMERICAN SOCIETY OF LIMNOLOGY AND OCEANOGRAPHY, INC., Woods Hole, Mass.; Bostwick H. Ketchum; *Education and Recruitment Committee*; 1 year; \$13,000
- AMERICAN SOCIETY OF ZOOLOGISTS, STATE UNIVERSITY OF IOWA, Iowa City, Iowa; S. J. Segal, The Rockefeller Institute; *Refresher Course in Metamorphosis in the Animal Kingdom*; 2 days; \$4,900
- AMERICAN SOCIETY OF ZOOLOGISTS, STANFORD UNIVERSITY, Stanford, Calif.; Victor C. Twitty; *Printing and Distributing a Brochure "Careers in Animal Biology"*; 1 year; \$2,456
- ARIZONA ACADEMY OF SCIENCE, PHOENIX, ARIZ.; Howard K. Gloyd; *Traveling Science Institute*; 1 year; \$21,110
- ASIA FOUNDATION, San Francisco, Calif.; William L. Eilers; *Travel of Foreign Participants in 1960 Summer Institutes*; 8 months; \$10,400
- BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska, S. J.; *Correspondence Course in Elementary Algebra Treated From the Standpoint of Modern Algebra*; 10 months; \$10,500
- BOTANICAL SOCIETY OF AMERICA, INC., New York, N.Y.; Harold C. Bold; *Career Information Booklet in the Field of Botany*; 1 year; \$5,000
- BRANDEIS UNIVERSITY, Waltham, Mass.; Kenneth W. Ford; *Special Field Institute in Theoretical Physics*; 6 weeks; \$32,860
- BUFFALO SOCIETY OF NATURAL SCIENCES, BUFFALO MUSEUM OF SCIENCE, Buffalo, N.Y.; Fred T. Hall; *Supplementary Science Program in Biology*; 1 year; \$12,380
- UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Jerzy Neyman; *Young Scholars to Attend the Fourth Berkeley Symposium on Mathematical Statistics and Probability*; 6 weeks; \$8,540
- Charles T. Singleton; *Study Program in Public Education in Science and Technology*; 1 year; \$29,925
- Myron Tribus, Los Angeles; *Special Field Institute on Information Theory Applied to Modern Physics and Engineering*; 2 weeks; \$5,820
- CANISUS COLLEGE, Buffalo, N.Y.; Herman A. Szymanski; *Institute and Symposium on Gas Chromatography*; 3 days; \$3,220
- CARLETON COLLEGE, Northfield, Minn.; Bruce Pollock; *Seminar on Science and the News*; 3 days; \$10,150
- CENTRAL STATE COLLEGE, Wilberforce, Ohio; B. H. Johnson; *Laboratory Training Program for Secondary School Teachers*; 3 months; \$16,215
- CENTRO BRASILEIRO DE PESQUISAS FISICAS, Rio de Janeiro, Brazil; J. Leite Lopes; *Support of U.S. Participants at the Latin American School of Physics*; 6 months; \$5,500
- CHICAGO ACADEMY OF SCIENCES, Chicago, Ill.; William J. Beecher; *Science Club and Workshop Project*; 1 year; \$11,040
- UNIVERSITY OF CHICAGO, Chicago, Ill.; Francis S. Chase; *Six Day Special Program of Participation by Selected High School Teachers of Science as a Part of the Darwin Centennial Celebration*; 6 days; \$14,000
- CLEVELAND MUSEUM OF NATURAL HISTORY, Cleveland, Ohio; Daniel E. Snow; *Symposium on the Educational Use of Plane Particles*; 3 days; \$5,575
- UNIVERSITY OF COLORADO, Boulder, Colo.; Wesley E. Brittin; *Special Field Institute for Theoretical Physics*; 10 weeks; \$38,720
- COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; Walter R. Benson; *Laboratory Training Program for Secondary School Teachers*; 3 months; \$12,670
- Herman M. Weisman; *Science News Writing Seminar*; 6 days; \$13,660
- COOPER UNION, New York, N.Y.; James N. Eastham; *The Mathematics Speakers' Bureau for Providing Speakers for High School Student Groups and Staffs*; 1 year; \$4,110
- CORNELL UNIVERSITY, Ithaca, N.Y.; Philip G. Johnson, New York State College of Agriculture; *Academic Year Research Participation Program*; 10 months; \$14,370
- COUNCIL OF CHIEF STATE SCHOOL OFFICERS, Washington, D.C.; Edgar Fuller; *Project for Production of a Supplement to the Purchase Guide to Assist in the Wise Purchase and Use of Materials and Apparatus in Science, Mathematics, and Modern Foreign Languages*; 1 year; \$9,700
- DAVIDSON COLLEGE, Davidson, N.C.; W. G. McGavock; *Nonresident Summer Institute in Mathematics for High School Teachers*; 6 weeks; \$1,000
- UNIVERSITY OF DENVER, Denver, Colo.; Byron E. Cohn; *Coordinating Program of 1960 National Science Foundation Summer Institutes Visiting Foreign Staff Projects*; 10 months; \$15,550
- DUKE UNIVERSITY, Durham, N.C.; J. J. Gergen; *Experimental Program in the Retraining of Armed Services Officers for Teaching Mathematics*; 1 year; \$11,600
- EAST TEXAS STATE COLLEGE, Commerce, Tex.; J. H. Clements; *Laboratory Training Program for Secondary School Teachers*; 3 months; \$7,730
- EDUCATIONAL SERVICES, INC., Watertown, Mass.; Gilbert Oakley, Jr.; *One Week Training Conference for the Instructional Staffs of Institutes Dealing With the Physics Course Prepared by the Physical Science Study Committee*; 1 week; \$25,225
- Jerrold R. Zacharias; *Activities of the Physical Science Study Committee Relating to the Use or Adaptation of PSSC Materials by Foreign Governments or Foreign Educational Institutions*; 1 year; \$24,800
- EMORY UNIVERSITY, Atlanta, Ga.; Charles T. Lester; *Program Involving a Television Course on Science for Elementary School Teachers*; 1 year; \$60,320
- ENGINEERS JOINT COUNCIL, New York, N.Y.; H. K. Justice; *University of Cincinnati; U.S. Mission to the Updat Pan American Congress on Engineering Education*; 1 year; \$11,350
- Robert M. Mahoney; *U.S. Exchange Mission to Study the Utilization of Engineers and Engineering Technicians and Their Interrelationship in the Industrial Composite of the USSR*; 6 months; \$26,500
- William H. Miernyk, Northeastern University; *Analysis of 1960 Salary and Other Professional Earnings of Engineering Faculty Members*; 9 months; \$7,460
- UNIVERSITY OF FLORIDA, Gainesville, Fla.; Per-Olov Lowdin; *Special Field Winter Institute in Quantum Chemistry and Solid-State Physics*; 5 weeks; \$65,500
- Rae O. Weiner; *Southern Regional Science Seminar*; 3 days; \$19,175

- GEORGE PEABODY COLLEGE FOR TEACHERS, Nashville, Tenn.; Bessie Carmichael; *Co-operative College School Program*; 6 weeks; \$53,090
- HAWAIIAN ACADEMY OF SCIENCES, Honolulu, Hawaii; Donald C. McGuire, University of Hawaii; *Hawaiian Science Clubs Service*; 1 year; \$19,650
- James Moomaw; *Teachers' Science Seminar Series*; 1 year; \$1,370
- IDAHO ACADEMY OF SCIENCE, UNIVERSITY OF IDAHO, Moscow, Idaho; Elmer K. Raunio; *Program To Encourage Science Education in Idaho High Schools*; 1 year; \$15,650
- ILLINOIS STATE ACADEMY OF SCIENCE, Jacksonville, Ill.; Robert C. Wallace, MacMurray College; *Illinois Junior Academy of Science Program*; 1 year; \$15,000
- UNIVERSITY OF ILLINOIS, Urbana, Ill.; Samuel Schrage; *Chemistry High School-College Teachers Conference*; 1 day; \$300
- INDIANA ACADEMY OF SCIENCES, INDIANA UNIVERSITY, Bloomington, Ind.; J. Crawford Polley; *Program of the Indiana School and College Committee on Mathematics*; 1 year; \$13,710
- IOWA ACADEMY OF SCIENCE, GRINNEL COLLEGE, Grinnel, Iowa; T. R. Porter, University High School, State University of Iowa; *Visiting Scientist Program and Publication of Selected Scientific Papers*; 1 year; \$25,690
- JUNIOR ENGINEERING TECHNICAL SOCIETY, East Lansing, Mich.; J. D. Ryder, Michigan State University; *Preparation and Distribution of Statewide Academic Units Pertaining to Vocational Guidance Toward Engineering and Technology*; 1 year; \$17,590
- KANSAS ACADEMY OF SCIENCE, KANSAS STATE COLLEGE OF PITTSBURG, Pittsburg, Kans.; J. M. Jewett, State Geological Survey, University of Kansas; *Science Teaching Improvement Program*; 1 year; \$31,350
- KANSAS STATE UNIVERSITY, Manhattan, Kans.; Ralph R. Lashbrook; *Public Understanding of Science*; 5 days; \$9,960
- KANSAS STATE TEACHERS COLLEGE, Emporia, Kans.; Otto Smith; *Conference of Principals, Supervisors and School Board Members of the Science and Mathematics Teachers Enrolled in the 1960 Summer Institute*; 1 day; \$1,200
- UNIVERSITY OF KANSAS, Lawrence, Kans.; George R. Waggoner; *Conference on Special Programs in Science for the Gifted Undergraduate Student in Large Public Universities*; 2 days; \$11,040
- KENTUCKY RESEARCH FOUNDATION, Lexington, Ky.; Douglas W. Schwartz, Museum of Anthropology; *Institute in Kentucky Archaeology*; 2 Saturdays; \$650
- LOUISIANA ACADEMY OF SCIENCE, LOUISIANA STATE UNIVERSITY, Baton Rouge, La.; Harry J. Bennett; *Expansion and Implementation of Junior Academies of Science*; 1 year; \$27,750
- UNIVERSITY OF LOUISVILLE, Louisville, Ky.; William J. McGlathlin; *Science Reporting Workshop*; 2 days; \$4,500
- MARYLAND ACADEMY OF SCIENCES, Baltimore, Md.; Thomson King; *Course in Astro-nautics for Teachers of Science in High Schools of Maryland*; 1 year; \$3,160
- Thomson King; *The Creation and Circulation of Mobile Science Exhibits Among the Schools of Maryland*; 1 year; \$15,900
- UNIVERSITY OF MARYLAND, College Park, Md.; Joshua R. C. Brown; *Visiting Foreign Staff Project for 1960 Summer Institutes in Biological Sciences*; 2 months; \$30,000
- MATHEMATICAL ASSOCIATION OF AMERICA, UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Edward A. Cameron, University of North Carolina; *Conference for Summer Institute Teachers of Mathematics*; 3 days; \$49,000
- MATHEMATICAL ASSOCIATION OF AMERICA, TEACHERS COLLEGE, Columbia University, New York, N.Y.; Howard F. Fehr; *Survey of European Mathematical Education—Part II*; 1 year; \$9,200
- MATHEMATICAL ASSOCIATION OF AMERICA, UNIVERSITY OF BUFFALO, Buffalo, N.Y.; John R. Mayor, American Association for the Advancement of Science; *Program of Visiting Lecturers to Secondary Schools in Mathematics*; 2 years; \$100,000
- METALLURGICAL SOCIETY OF AIME, New York, N.Y.; John Chipman; *Careers in Metallurgy*; 1 year; \$7,500
- MICHIGAN ACADEMY OF SCIENCE, ARTS, AND LETTERS, MUSEUM OF PALEONTOLOGY, UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; Wayne Taylor; *Project To Improve the Status of Science and Mathematics Education in the State of Michigan*; 1 year; \$20,990
- MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton, Mich.; M. E. Vollin; *Laboratory Training Program for Secondary School Teachers*; 3 months; \$2,720
- MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing, Mich.; F. B. Dutton; *Traveling Science Demonstration Lecture Program*; 1 year; \$225,655
- E. D. Devereux; *Workshop in Microbiology for Secondary School Teachers*; 2 weeks; \$8,300
- MISSISSIPPI ACADEMY OF SCIENCES, INC., DELTA STATE COLLEGE, Cleveland, Miss.; Clyde Q. Sheely; *Program To Encourage and Improve Science Education in the High Schools*; 1 year; \$34,730
- UNIVERSITY OF MISSOURI, Columbia, Mo.; R. E. Peck; *Conference on College Science Teachers*; 1 day, \$1,600
- MUSEUM OF ART, SCIENCE AND INDUSTRY, Bridgeport, Conn.; Earle W. Newton; *Mobile Exhibit Trailer Project*; 1 year; \$8,000
- MUSEUM OF NEW MEXICO, Santa Fe, N. Mex.; Fred Wendorf; *Special Field Institute in Archaeology*; 8 weeks; \$7,840
- NASSON COLLEGE, Springvale, Maine; Roger C. Gay; *Supplementary Student Science Projects Program*; 6 weeks; \$18,000
- NATIONAL ACADEMY OF SCIENCE—NATIONAL RESEARCH COUNCIL, Washington, D.C.; S. S. Wilks; *Printing and Distributing 500,000 Copies of a Pamphlet Entitled "Careers in Mathematics"*; 30 months; \$21,000
- NATIONAL MERIT SCHOLARSHIP, Evanston, Ill.; John M. Stalnaker; *Study of Institutional Characteristics Related to College Productivity*; 2 years; \$50,000
- NATIONAL OPINION RESEARCH CENTER, Chicago, Ill.; Peter H. Rossi; *Planning Statement on Post Enumeration Studies of the 1960 Census of Population*; 3 months; \$2,500
- NEW HAMPSHIRE ACADEMY OF SCIENCE, DARTMOUTH COLLEGE, Hanover, N.H.; Allen L. King; *Program To Assist Science Teachers and Students in the Secondary*

- Schools in New Hampshire*; 1 year; \$6,040
 UNIVERSITY OF NEW HAMPSHIRE, Durham, N.H.; M. Evans Munroe; *Special Field Institutes*; 1 month; \$3,500
 NEW YORK STATE SOCIETY FOR MEDICAL RESEARCH, INC., New York, N.Y.; Brian F. Hoffman; *Summer Workshop on Laboratory Experiments in Physiology*; 6 weeks; \$13,150
 NEW YORK UNIVERSITY, New York, N.Y.; Hillier Krieghbaum; *Science Writers Seminar*; 2 weeks; \$13,400
 Hillier Krieghbaum; *Seminary for Science Writers*; 2 weeks; \$16,800
 NORTH CAROLINA ACADEMY OF SCIENCE, Raleigh, N.C.; Herbert E. Speece; *Short-Term Science Institutes for High School Teachers in North Carolina*; 1 year; \$19,390
 NORTH CAROLINA STATE COLLEGE, Raleigh, N.C.; T. E. Maki; *Special Field Institute in Forest Biology*; 4 weeks; \$27,500
 UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; Norval Nell Luxon; *Science Writers Institute*; 3 days; \$25,000
 Robert G. Carson, Jr.; *North Carolina State College—Other College Cooperative Association for Science Teachers*; 1 year; \$24,770
 NORTH TEXAS STATE COLLEGE, Denton, Tex.; L. F. Connell, Jr.; *Radiological Science Conference for Summer Institute Instructors*; 6 months; \$9,400
 OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, INC., Oak Ridge, Tenn.; W. W. Grigorleff; *Traveling Science Demonstration Lecture Program*; 1 year; \$296,300
 OBERLIN COLLEGE, Oberlin, Ohio; Wade Ellis; *Visiting Foreign Staff Project for 1960 Summer Institutes in Mathematics*; 10 months; \$29,750
 OHIO ACADEMY OF SCIENCE, Columbus, Ohio; Gerald Acker, Bowling Green State University; *The Development and Operation of Science Days in the State of Ohio*; 1 year; \$6,800
 OKLAHOMA ACADEMY OF SCIENCE, UNIVERSITY OF OKLAHOMA, Norman, Okla.; Robert C. Fite; *Oklahoma Junior Academy of Science Program*; 1 year; \$2,320
 J. Teague Self; *Consultation Service for Community Sponsored Improvement Programs in Science Education*; 1 year; \$30,010
 OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater, Okla.; Robert C. Fite; *Traveling Science Demonstration Lecture Program*; 1 year; \$250,890
 OREGON MUSEUM OF SCIENCE AND INDUSTRY, Portland, Oreg.; Raymond E. Barrett; *Field Research Program for Teachers*; 1 year; \$6,180
 OREGON STATE COLLEGE, Corvallis, Oreg.; Vernon H. Cheldelin; *Biology Colloquium*; 1½ days; \$6,000
 UNIVERSITY OF OREGON, Eugene, Oreg.; E. G. Ebbighausen; *Traveling Science Demonstration Lecture Program*; 1 year; \$221,750
 John L. Hulteng; *Conference on Interpreting Modern Science to the Public*; 3 days; \$8,500
 ORGANIZATION OF AMERICAN STATES, Washington, D.C.; Jesse D. Perkinson; *Cooperative Program for an Inter-American Exchange of Scientists*; 2 years; \$65,000
 Jesse D. Perkinson; *Travel of Foreign Participants in 1960 Summer Institutes*; 2 months; \$700
 ORGANIZATION FOR EUROPEAN ECONOMIC COOPERATION, Paris, France; L. Vincent,
- Travel of Foreign Participants in 1960 Summer Institutes*; 2 months; \$6,500
 PACIFIC SOUTHWEST ASSOCIATION OF CHEMISTRY TEACHERS, San Mateo, Calif.; James A. Ice; *Conference on Recent Advances in Chemistry*; 6 days; \$10,825
 PEMBROKE STATE COLLEGE, Pembroke, N.C.; Henry Tamar; *Laboratory Training Program for Secondary School Teachers*; 3 months; \$11,695
 PENNSYLVANIA ACADEMY OF SCIENCE, Pittsburgh, Pa.; Charles L. Bikle; *Program of the Junior Academy of Science in Pennsylvania*; 1 year; \$5,910
 UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; Hsuan Yeh; *Six-Day Special Field Institute on Fluid Mechanics in Engineering*; 6 days; \$9,000
 PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; William H. Powers; *Three-Day Conference of Teachers in 1960 Summer Institutes Devoted to the Earth and Space Sciences*; 3 days; \$3,000
 POLYTECHNIC INSTITUTE OF BROOKLYN, Brooklyn, N.Y.; John J. Dropkin; *Extension of a Project for the Preparation of Foreign-Trained Engineers to Teach Engineering Mathematics, Physics and Chemistry*; 6 months; \$5,750
 UNIVERSITY OF PUERTO RICO, Rio Piedra, P.R.; Herminio Lugo Lugo; *Traveling Lecture Program*; 1 year; \$10,700
 PURDUE UNIVERSITY, Lafayette, Ind.; George A. Hawkins; *Symposium on Engineering Applications of Probability*; 2 days; \$6,000
 H. A. Smith; *Program To Prepare Retired Armed Service Personnel To Teach Basic Collegiate Mathematics*; 14 months; \$10,680
 UNIVERSITY OF RHODE ISLAND, Kingston, R.I.; James E. Casey; *Program of Saturday Seminars for Selected High School Students*; 6 months; \$6,325
 UNIVERSITY OF ROCHESTER, Rochester, N.Y.; Norma D. Miller; *Conference on Graduate Training for Research in the Processes of Vision*; 7 days; \$22,510
 ST. LAWRENCE UNIVERSITY, Canton, N.Y.; Donald C. Peckham; *Conference for College Teachers of Physics To Stimulate Research in the Physics of Elastic Constants*; 5 days; \$6,350
 ST. MARY'S COLLEGE, Winona, Minn.; Brother Charles, F.S.C.; *Laboratory Training Program for Secondary School Teachers*; 3 months; \$15,700
 Brother Charles, F.S.C.; *Summer Field Course in Biology*; 2 weeks; \$11,800
 SCANDINAVIAN COUNCIL OF APPLIED RESEARCH, Blindern, Norway; Elin Tornudd; *United States Participation in the Second Year of the Growing Points Program in the Scandinavian Countries*; 1 year; \$15,125
 SCIENCE SERVICE, Washington, D.C.; Watson Davis; *National Science Youth Program*; 1 year; \$25,000
 SOCIETY OF AMERICAN BACTERIOLOGISTS, UNIVERSITY OF WISCONSIN, Madison, Wis.; L. S. McClung; *Career Information Literature in Bacteriology*; 1 year; \$9,690
 SOUTH DAKOTA ACADEMY OF SCIENCE, AUGUSTANA COLLEGE, Sioux Falls, S. Dak.; F. E. Kelsey; *State Academy of Science Project*; 1 year; \$15,770
 STANFORD UNIVERSITY, Stanford, Calif.; Lawrence R. Blinks, Hopkins Marine Station, Pacific Grove; *Summer Field Institute for Marine Biology*; 10 weeks; \$20,050

Motion Picture Depicting the Nature and Importance of Basic Research; 1 year; \$40,000

SYRACUSE UNIVERSITY RESEARCH INSTITUTE, Syracuse, N.Y.; W. R. Le Page; *Conference on Electrical Engineering Education*; 2 days; \$4,880

SYRACUSE UNIVERSITY RESEARCH INSTITUTE, Collendale Campus, Syracuse, N.Y.; Alfred T. Collett; *Visiting Foreign Staff Project for Academic Year Institutes During 1960-61*; 1 year; \$51,500

TEMPLE UNIVERSITY, Philadelphia, Pa.; Elmer L. Offenbacher; *Visiting Foreign Staff Project for 1960 Summer Institutes in Physical Sciences*; 10 months; \$34,950

TENNESSEE ACADEMY OF SCIENCE, VANDERBILT UNIVERSITY, Nashville, Tenn.; Myron S. McCay; *Expansion and Implementation of the Program of Science*; 1 year; \$10,000

Arlo I. Smith; *Short Term Science Institutes for High School Teachers*; 1 year; \$16,870

TEXAS ACADEMY OF SCIENCE, UNIVERSITY OF TEXAS, Austin, Tex.; Charles La Motte, A & M College of Texas; *Research Conference for Promising Science Students in the Junior and Small Senior College of Texas*; 1 year; \$10,750

UNIVERSITY OF TEXAS, Austin, Tex.; Howard T. Odum, Institute of Marine Science; *Special Field Institute*; 2 months; \$4,000

UNIVERSITY OF UPPSALA, Uppsala, Sweden; Per-Olov Lowdin; *1960 International Summer Institute in Quantum Chemistry*; 6 months; \$9,000

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, Washington, D.C.; Lawrence S. Derthick; *1960 Students Enrolled for Advanced Degrees*; 1 year; \$18,000

UNIVERSITY OF VERMONT, Burlington, Vt.; Howard M. Smith, Jr.; *Symposium on Educational Frontiers in Biomedical Engineering*; 2 days; \$7,000

UNIVERSITY OF WASHINGTON, Seattle, Wash.; Joseph L. McCarthy; *Program for College-University Association in the Teaching of Science*; 1 year; \$50,360

WESTERN KENTUCKY STATE COLLEGE, Bowling Green, Ky.; Kelly Thompson; *Conference on Teacher Participation in Science*; 2 days; \$3,750

WHEELING COLLEGE, Wheeling, W. Va.; Joseph A. Duke; *Monthly One-Day Workshop in Chemistry for Science Teachers*; 7 months; \$2,875

UNIVERSITY OF WISCONSIN, Madison, Wis.; Donald M. Bucklin; *Two-Day Special Meeting of 1959-60 High School Teacher Research Participants*; \$450

R. D. Wagner; *In-Service Program of Studies of Basic Concepts of Mathematics by Directed Group and Individual Study Using Correspondence Study Materials*; 1 year; \$40,700

WOODS HOLE OCEANOGRAPH INSTITUTION, Woods Hole, Mass.; W. V. R. Malkus; *Three Month Summer Program of Theoretical Studies in Geophysical Fluid Dynamics*; 3 months; \$13,450

WASHINGTON ACADEMY OF SCIENCES, Washington, D.C.; John K. Taylor; *Science Education Program*; 1 year; \$34,990

WASHINGTON STATE UNIVERSITY, Pullman, Wash.; William W. Elmendorf; *Field School in Ethnography*; 8 weeks; \$5,665

POLICY STUDIES

COMMISSION OF LABOR STATISTICS, Washington, D.C.; Ewan Clague; *Cost Index Applicable to Research and Development Budgets*; 7 to 8 months; \$18,000

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; S. D. Cornell; *Activities of the Committee on Atmospheric Sciences*; 1 year; \$36,800

U.S. BUREAU OF THE CENSUS, DEPARTMENT OF COMMERCE, Washington, D.C.; Robert W. Burgess; *Study of 250 Industrial Firms Reporting More Than \$50,000 in Basic Research During 1957 to Determine Extent of Publications of Research*; 1 year; \$4,900

Robert W. Burgess; *Survey of Research and Development Costs of Industry—Oriented Organizations—During 1958*; 1 year; \$11,000

Max R. Conklin; *Survey of Research and Development Costs of Industry-Oriented Organizations*; 1 year; \$75,000

SCIENTIFIC MANPOWER

ENGINEERS JOINT COUNCIL, New York, N.Y.; William H. Miernyk; *Analysis of 1960 Salary and Other Professional Earnings of Engineering Faculty Members*; 9 months; \$7,460

LIBRARY OF CONGRESS, Washington, D.C.; Leo Orleans; *Study of Communist China's Scientific Technical Manpower*; fiscal year 1960-61; \$500

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; M. H. Trytten; *Continuation of Revision of Study on Soviet Professional Manpower*; 6 months; \$12,125

NATIONAL SCIENCE TEACHERS ASSOCIATION, Washington, D.C.; Robert H. Carleton; *Registry of High School Science and Mathematics Teachers*; 6 months; \$21,500

Robert H. Carleton; *1960-61 Registry of High School Science and Mathematics Teachers*; 1 year; \$31,000

U.S. BUREAU OF LABOR STATISTICS, DEPARTMENT OF LABOR, Washington, D.C.; Ewan Clague; *1960 Survey of Industrial Employment of Scientific and Technical Personnel*; 1 year; \$85,000

U.S. OFFICE OF EDUCATION, DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, Washington, D.C.; Clayton D. Hutchins; *Federal Funds for Science Education*; \$38,000

U.S. WEATHER BUREAU, Washington, D.C.; Roy L. Fox, National Weather Records Center, Asheville, N.C.; *Computing Program for the 1956-59 National Register of Scientific and Technical Personnel Data*; 1 year; \$9,000

FOREIGN SCIENCE EVALUATION SURVEYS

CARL O. SAUER, Berkeley, Calif.; *Survey of Geography in Western Germany, Switzerland and Austria*; 3 months; \$3,500

UNIVERSITY OF TEXAS, Austin, Tex.; Jackson W. Foster; *Review of Microbiology in Japan*; 4 months; \$5,358

A. D. WALLACE, TULANE UNIVERSITY OF LOUISIANA, New Orleans, La.; *Preparation of a Report on Mathematical Activity in Poland*; 3 months; \$100

CONFERENCES IN SUPPORT OF SCIENCE

AMERICAN INSTITUTE OF NUTRITION, Washington, D.C.; Milton O. Lee; *Fifth International Congress on Nutrition*; 6 days; \$20,000

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *Conference on Differential Geometry*; 2 days; \$6,500

Gordon L. Walker; *Directors of University Computing Laboratories*; June 1960; \$18,100

AMERICAN PHYSICAL SOCIETY, Princeton, N.J.; Shirley L. Quimby; *Conference on Plasma Physics*; 3 days; \$600

AMERICAN SOCIETY OF ZOOLOGISTS, STATE UNIVERSITY OF IOWA, Iowa City, Iowa; Emil Witschl; *Regional Developmental Biology Conferences*; 1 year; \$4,000

UNIVERSITY OF ARIZONA, Tucson, Ariz.; A. R. Kassander; *Conference on the Surface Chemistry of Ice Nucleation*; 18 months; \$12,500

BERNICE P. BISHOP MUSEUM, Honolulu, Hawaii; Alexander Spoehr; *Tenth Pacific Science Congress*; 2 years; \$53,300

UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; Kenneth L. Downes, Jr.; *Second International Symposium on Rarefied Gas Dynamics*; 4 days; \$6,500

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; J. J. Nassau; *Conference on Astronomical Observations From Above the Earth's Atmosphere*; 1 day; \$1,400

UNIVERSITY OF CHICAGO, Chicago, Ill.; T. R. Hogness; *Symposium on Optical Spectrometric Measurements of High Temperatures*; 1 year; \$7,500

N. Rashevsky; *International Symposium Mathematical Theories of Biological Phenomena*; 1 year; \$5,500

Eric R. Wolf; *Conference on Archaeological Research in the Valley of Mexico*; 4 months; \$2,000

UNIVERSITY OF COLORADO, Boulder, Colo.; Frank Kreth; *Heat Transfer Conference at the Annual ASME Meeting (1960)*; 1 year; \$4,600

COLUMBIA UNIVERSITY, New York, N.Y.; George K. Smelser; *The Structure of the Eye*; 1 week; \$9,900

GEOCHEMICAL SOCIETY, GEOPHYSICAL LABORATORY, Washington, D.C.; Robert M. Garrels, Massachusetts Institute of Technology; *Conference on Geochemistry of Carbonate Minerals and Rocks*; 5 days; \$4,980

GORDON RESEARCH CONFERENCES, UNIVERSITY OF RHODE ISLAND, Kingston, R.I.; W. George Parks; *Gordon Conference on Photonicuclear Reactions*; 5 days; \$6,000

HARVARD UNIVERSITY, Cambridge, Mass.; L. L. Engel and C. A. Villee, Massachusetts General Hospital, Boston; *Conference on Mechanisms of Action of Steroid Hormones*; 3 days; \$6,800

Wassily W. Leontief; *International Conference on Input-Output Analysis*; 7 days; \$20,400

HIGH ALTITUDE OBSERVATORY OF THE UNIVERSITY OF COLORADO, Boulder, Colo.; Walter Orr Roberts; *International Cross-Field Seminar on Solar-Weather Relationships*; 8 days; \$13,000

HISTOCHEMICAL SOCIETY, WASHINGTON UNIVERSITY, St. Louis, Mo.; Oliver H. Lowry; *Symposium on the Histochemistry of the Nervous System*; 1 year; \$800

HISTORY OF SCIENCE SOCIETY, Ithaca, N.Y.; Henry Guerlac; *10th International Congress of the History of Science*; Summer, 1960; \$40,000

HISTORY OF SCIENCE SOCIETY, CORNELL UNIVERSITY, Ithaca, N.Y.; Nathan Reingold; *Conference on Science Manuscripts*; 2 days; \$5,000

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; William D. McElroy, Mergenthaler Laboratory for Biology; *Symposium on Light and Life*; 4 days; \$7,000

LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Spring Harbor, N.Y.; Arthur Chovnick; *Symposium on Biological Clocks and Animal Navigation*; 10 days; \$7,635

LOWELL OBSERVATORY, Flagstaff, Ariz.; J. S. Hall; *Conference on Polarization of Starlight*; 1 day; \$2,400

MANHATTAN COLLEGE, New York, N.Y.; W. Wesley Eckenfelder, Jr.; *Third Biological Waste Treatment Conference*; 3 days; \$5,200

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; Walter A. Rosenblith; *The Role of Computer Techniques in Research on Brain Functions and Behavior*; 2 days; \$10,000

METALLURGICAL SOCIETY OF AIME, New York, N.Y.; John Chipman; *Conference on Response of Materials to High Velocity Deformation*; 1 year; \$3,500

Kempton H. Roll; *First International Powder Metallurgy Conference*; 1 year; \$3,000

MIDWEST RESEARCH INSTITUTE, Kansas City, Mo.; Bruce Daniel; *1960 International Conference on the Nature of Solid Friction*; September 1960; \$5,300

MISSOURI BOTANICAL GARDEN, Saint Louis, Mo.; Robert L. Dressler; *A Conference on Systematics at the Missouri Botanical Garden*; 1 year; \$1,800

UNIVERSITY OF MISSOURI, Columbia, Mo.; G. B. Clark; *Sixth Annual Symposium on Mining Research*; 1 week; \$7,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; Frank L. Campbell; *Symposia (1) On Mutations (Fall 1960) and (2) On Statistics (Spring 1961) In Genetics*; \$15,000

Frank L. Campbell; *Symposium on Comparative Studies of Ionizing, Ultraviolet, and Visible Radiation*; 4 days; \$15,500

Frank L. Campbell; *Tropical Botanical Problems of Concern to the United States*; 3 days; \$9,100

John S. Coleman; *Committee on Symbols, Units and Nomenclature (Sun)*; 2 years; \$5,000

John S. Coleman; *Conference on Atomic Masses*; \$3,000

John S. Coleman; *Survey of the Transportation Problem, Woods Hole, Massachusetts*; 1 year; \$35,000

John S. Coleman; *Symposium on Magneto-Fluid Dynamics*; 7 days; \$10,000

John S. Coleman; *U.S. Committee of the International Union of Pure and Applied Physics*; 2 years; \$5,000

John S. Coleman; *Third Astrometric Conference; Argentina*; 1 week; \$7,000

G. D. Meld; *Support of COSPAR*; 1 year; \$5,000

Richard C. Vetter; *Support to the Special Committee on Oceanic Research of the International Council of Scientific Unions*; 1 year; \$47,400

UNIVERSITY OF NEW MEXICO, Albuquerque, N. Mex.; Guldo H. Daub; *Organic Scintillation Detectors*; 3 days; \$4,400

NEW YORK STATE VETERINARY COLLEGE, CORNELL UNIVERSITY, Ithaca, N.Y.; Morley

R. Kare; *Physiological and Behavioral Aspects of Taste*; 1 year; \$1,000
 UNIVERSITY OF PITTSBURGH, Pittsburgh, Pa.;
 N. E. Wagman; *Symposium on Subwary Stars*; 1 day; \$2,680
 PROVISIONAL INTERNATIONAL COMPUTATION CENTRE, Roma-Zona dell'E.U.R., Italy; *Symposium—Numerical Treatment of Ordinary Differential, Integral and Integro-Differential Equations*; 5 days; \$7,000
 PURDUM RESEARCH FOUNDATION, Lafayette, Ind.; Solomon Gartenhaus; *Midwest Conference on Theoretical Physics*; 2 days; \$2,000
 RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Michael Heidelberger and Otto J. Plecia; *Immuno-Chemical Approaches to Problems in Microbiology*; 3 days; \$12,250
 Leslie A. Stauber; *Conference on the Physiology of Parasitism*; 2 days; \$1,600
 SOCIAL SCIENCE RESEARCH COUNCIL, New York, N.Y.; Joseph H. Greenberg; *Conference on Language Universals*; 1 year; \$10,900
 SOCIETY FOR THE STUDY OF DEVELOPMENT AND GROWTH, BRANDEIS UNIVERSITY, Waltham, Mass.; Edgar Zwilling; *Nineteenth Growth Symposium*; 3 days; \$5,000
 SOILS SCIENCE SOCIETY OF AMERICA, Madison, Wis.; Emil Truog; *General Support of the VII International Soil Science Congress*; 6 months; \$10,000
 STANFORD RESEARCH INSTITUTE, Menlo Park, Calif.; Nevin K. Hlester; *International Symposium on High Temperature Technology*; 3 days; \$8,500
 UNIVERSITY OF TEXAS, Austin, Tex.; T. C. Hsu, M. D. Anderson Hospital and Tumor Institute; *Support of a Symposium on the Cell Physiology or Neoplasia*; 3 days; \$6,700
 WASHINGTON UNIVERSITY, St. Louis, Mo.; Herman N. Eisen; *Continuing Workshop on Antibody Synthesis*; 1 year; \$8,400
 UNIVERSITY OF WASHINGTON, Seattle, Wash.; Ernst Florey; *International Symposium on Nervous Inhibition*; 7 days; \$18,000
 WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Arthur G. Steinberg; *A Symposium on Genetics*; 1 month; \$20,900
 WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; Arthur B. Bronwell; *Conference on Research Goals*; 2 days; \$8,600

ATTENDANCE AT INTERNATIONAL MEETINGS

Advanced Study Institute Sponsored by the North Atlantic Treaty Organization, Corfu, Greece:
 Jules de Launay, Naval Research Laboratory, Washington, D.C.;
 J. Robert Schrieffer, Universitetets Institut for Teoretisk Fysk, Copenhagen, Denmark
 All-Union Conference on Organic Catalysis, Moscow, Russia;
 Robert L. Burwell, Jr.; Northwestern University, Evanston, Ill.
 Carbon-14 Conference, Groningen, Netherlands:
 Meyer Rubin, Geochemistry and Petrology Branch, United States Geological Survey, Washington, D.C.
 Colloquium of the Research Film Section of the International Scientific Film Association, Roscoff, France:

Leslie P. Greenhill, Pennsylvania State University, University Park, Pa.
 Colloquium on Thin Shell Structures, Delft, Holland:
 Nicholas John Hoff, Stanford University, Stanford, Calif.
 Committee on International Pharmaceutical Documentation, Zurich, Switzerland:
 Winifred Sewell, Librarian, Squibb Institute for Medical Research, New Brunswick, N.J.
 Conducting Lectures at the Universities of Hamburg and Erlaudeen, Hamburg and Erlaudeen, West Germany:
 Otton M. Nikodym, Kenyon College, Gambler, Ohio
 Conference on Computing Methods and the Phase Problem in X-ray Crystal Analysis, Glasgow, Scotland:
 William N. Lipscomb, Harvard University, Cambridge, Mass.
 Yoshiharu Okaya, Pennsylvania State University, University Park, Pa.
 Raymond Pepinsky, Pennsylvania State University, University Park, Pa.
 Vladimir Vand, Pennsylvania State University, University Park, Pa.
 Conference on Functional Analysis, Warsaw, Poland:
 Richard F. Arens, University of California, Los Angeles, Calif.
 Edwin Hewitt, University of Washington, Seattle, Wash.
 Robert C. James, Harvey Mudd College, Claremont, Calif.
 Ernest A. Michael, University of Washington, Seattle, Wash.
 B. J. Pettis, University of North Carolina, Chapel Hill, N.C.
 Elias M. Stein, University of Chicago, Chicago, Ill.
 Marshall H. Stone, University of Chicago, Chicago, Ill.
 Conference on Magnetism of the British Institute of Physics, Scheffield, England:
 Richard M. Bozorth, Bell Telephone Laboratories, Murray Hill, N.J.
 Conference on Metabolism and Synthesis of DNA, Liege, Belgium:
 Frederick H. Kasten, Texas Agricultural and Mechanical College, College Station, Tex.
 Conference on Sensory Anomalies in Strabismus, Berne, Switzerland:
 Hermann N. Burian, State University of Iowa, Iowa City, Iowa
 Conference of the Society on Biological Rhythms, Siena, Italy:
 Franz Halberg, University of Minnesota Medical School, Minneapolis, Minn.
 Collin S. Pittendrigh, Princeton, N.J.
 Course on Mathematics, Programming and Technical Aspects of Electronic Computing Installations, Technical University, Darmstadt, Germany:
 Ross H. Flenner, Digital Computer Laboratory, University of Illinois, Urbana, Ill.
 Donald A. Ludwig, New York University, New York, N.Y.
 Course for Physics Teachers in Secondary Schools, Vienna and Salzburg, Austria:
 William S. Burton, George School, Bucks County, Pa.
 Robert Lagemann, Munchen, Germany
 Uri Haber-Schaim, Education Services, Inc., Cambridge, Mass.

Delivering a Series of Lectures in Polish Universities:

Mark Kac, Cornell University, Ithaca, N.Y.

Dynamic Systems and Ergodic Theories, Varenna, Italy:

Paul R. Halmos, The University of Chicago, Chicago, Ill.

Ecological Symposium on Productivity of Plant Communities, Stuttgart-Hohenheim, Germany:

Lawrence C. Bliss, University of Illinois, Urbana, Ill.

Eighteenth General Assembly, International Pharmaceutical Federation, Copenhagen, Denmark:

Anne McCann, Squibb Institute for Medical Research, New Brunswick, N.J.

Eighth Congress of the International Society of Hematology, Tokyo, Japan:

International Society of Hematology, Brookline, Mass.

Eighth International Grassland Congress, Reading, England:

Arthur L. Brundage, Alaska Agricultural Experiment Station, Palmer, Alaska

Marvin P. Bryant, Agricultural Research Center, Beltsville, Md.

Douglas S. Chamblee, North Carolina State College, Raleigh, N.C.

Lorin E. Harris, Utah State University, Logan, Utah

Wilton W. Heinemann, Washington State University, Prosser, Wash.

Donald F. Hervey, Colorado State University, Fort Collins, Colo.

Carl Soren Hoveland, Auburn University, Auburn, Ala.

Horton M. Laude, University of California, Davis, Calif.

Henry L. Lucas, Jr., North Carolina State College, Raleigh, N.C.

Marshall E. McCullough, Georgia Experiment Station, Experiment, Ga.

Gerald O. Mott, Purdue University, Lafayette, Ind.

Charles E. Olmsted, University of Chicago, Chicago, Ill.

Maurice L. Peterson, University of California, Davis, Calif.

J. Thomas Reid, Cornell University, Ithaca, N.Y.

Damon C. Shelton, West Virginia University, Morgantown, W. Va.

Edwin W. Tisdale, University of Idaho, Moscow, Idaho.

John B. Washko, Pennsylvania State University, University Park, Pa.

Eighth Plenary Meeting of ISO/TC 46-Documentation, International Organization for Standards, London, England:

Henry J. Dubester, Library of Congress, Washington, D.C.

XIth International Congress of Entomology, Vienna, Austria:

Entomological Society of America, Washington, D.C.

Eleventh International Congress of Historical Sciences, Stockholm, Sweden:

Pedro Armillas, University of Michigan, Ann Arbor, Mich.

Enzyme Commission, Cambridge, England and Paris, France:

Sidney P. Colowick, Vanderbilt University, Nashville, Tenn.

Albert L. Lehninger, Johns Hopkins School of Medicine, Baltimore, Md.

Evaluation of the Soviet Research and Training Program in Geography, Association of American Geographers, Army Research Officer, OCRD, Department of the Army, Washington, 25, D.C.:

Francis L. Friedman, Physical Science Study Committee, Educational Services Incorporated, Cambridge, Mass.

Exchange of Scientists Between the U.S. and U.S.S.R.:

National Academy of Sciences—National Research Council, Washington, D.C.

Exchange Visit—Russia; East-West Contacts Program:

Richard M. Bosorth, Bell Telephone Laboratories, Murray Hill, N.J.

Executive Committee and Bureau of the International Union on Pure and Applied Chemistry, Leningrad, Russia:

William Albert Noyes, Jr., University of Rochester, Rochester, N.Y.

Faraday Society Conference on Cell Nucleus, Cambridge, England:

Walter S. Vincent, Marine Biological Laboratory, Woods Hole, Mass.

Faraday Society Discussions on "Oxidation-Reduction Reactions in Ionizing Solvents,"

Newcastle-on-Tyne, England:

Rudolph A. Marcus, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.

W. K. Wilmarth, University of Southern California, Los Angeles, Calif.

Faraday Society Discussions on the Physical Chemistry of Aerosols, Bristol, England:

Frank T. Gucker, Indiana University, Bloomington, Ind.

Federation Internationale de Documentation, Warsaw, Poland:

Karl F. Huemann, Office of Scientific Documentation, National Academy of Sciences—National Research Council, Washington, D.C.

Milton O. Lee, Federation of American Societies for Experimental Biology, Washington, D.C.

Fifth Austrian Congress of Mathematicians, Innsbruck, Austria:

Victor L. Klee, Jr., Matematisk Institut, Copenhagen, Denmark

Erwin Kleinfeld, Ohio State University, Columbus, Ohio

Fifth International Conference on Semiconductors, Prague, Czechoslovakia:

Ephraim Banks, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.

Raymond Bowers, Cornell University, Ithaca, N.Y.

Ralph Bray, Purdue University, Lafayette, Ind.

Frederick C. Brown, University of Illinois, Urbana, Ill.

Joseph Callaway, University of Miami, Coral Gables, Fla.

Arnold Honig, Syracuse University, Syracuse, N.Y.

Stefan Machlup, Western Reserve University, Cleveland, Ohio

Fifth International Congress of Biochemistry, Moscow, Russia:

U.S. National Committee for the International Union of Biochemistry, University of Utah, Salt Lake City, Utah

- First All-Union Congress on Theoretical and Applied Mechanics, Moscow, Russia :**
Wallace D. Hayes, Princeton University, Princeton, N.J.
Nicholas J. Hoff, Stanford University, Stanford, Calif.
- First Congress, International Federation of Automatic Control, Moscow, Russia :**
Sheldon S. L. Chang, New York University, New York, N.Y.
Manfred E. Clynes, Rockland State Hospital, Orangeburg, N.Y.
Robert Lien Cosgriff, Ohio State University, Columbus, Ohio
Arthur M. Hopkin, University of California, Berkeley, Calif.
Richard W. Jones, Northwestern University, Evanston, Ill.
Louis Frank Kazda, University of Michigan, Ann Arbor, Mich.
Ralph J. Kochenburger, University of Connecticut, Storrs, Conn.
Shih-Ying Lee, Massachusetts Institute of Technology, Cambridge, Mass.
Yao Tzu Li, Massachusetts Institute of Technology, Cambridge, Mass.
James M. Mozley, Johns Hopkins Hospital, Baltimore, Md.
- First International Congress of Endocrinology, Copenhagen, Denmark :**
Endocrine Society, Oklahoma City, Okla.
- First South American Congress of Zoology, La Plata, Argentina :**
James Arthur Peters, San Fernando Valley State College, Northridge, Calif.
- 48th Annual Meeting of the International Council for the Exploration of the Sea, Moscow, Russia :**
Donald P. de Sylva, University of Delaware, Newark, Del.
Edward C. Raney, Cornell University, Ithaca, N.Y.
- 47th Session of Indian Science Congress, Bombay, India, and the Pakistani Science Conference, Sind, Pakistan :**
Elbert Payson Little, Physical Science Study Committee, Educational Services Incorporated, Cambridge, Mass.
Arnold B. Grobman, Biological Sciences Curriculum Study, University of Colorado, Boulder, Colo.
- Fourth International Congress, European Organization of Quality Control, London, England :**
George E. P. Box, University of Wisconsin, Madison, Wis.
Ellis R. Ott, Rutgers, The State University, New Brunswick, N.J.
- Fourth International Symposium on the Reactivity of Solids, Amsterdam, Netherlands :**
Joseph A. Pask, University of California, Berkeley, Calif.
- Fourth Symposium on Cosmical Gas Dynamics, Varenna, Italy :**
Leverett Davis, Jr., California Institute of Technology, Pasadena, Calif.
Armin J. Deutsch, Carnegie Institution of Washington, Pasadena, Calif.
Robert B. Leighton, California Institute of Technology, Pasadena, Calif.
Hans W. Liepmann, California Institute of Technology, Pasadena, Calif.
Mahinder S. Uberoi, University of Michigan, Ann Arbor, Mich.
Olin C. Wilson, Carnegie Institution of Washington, Pasadena, Calif.
- Fourth Symposium on Virus Diseases of Fruit Trees in Europe, Copenhagen, Denmark :**
John A. Milbrath, Oregon State College, Corvallis, Oreg.
Daniel F. Millikan, University of Missouri, Columbia, Mo.
George Nyland, University of California, Davis, Calif.
Gilbert L. Stout, Bureau of Plant Pathology, State of California, Sacramento, Calif.
- Glossary Subcommittee of the International Committee of Coal Petrology, Madrid, Spain :**
Gilbert Haven Cady, Illinois State Geological Survey, Champaign-Urbana, Ill.
William Spackment, The Pennsylvania State University, University, Pa.
- Hungarian Academy of Science and the Mathematics Department of Charles University, Prague, Czechoslovakia :**
Jacob Wolfowitz, Cornell University, Ithaca, N.Y.
- International Association of Geomagnetism and Aeronomy, Copenhagen, Denmark :**
Francis N. Frenkiel, David Taylor Model Basin, Washington, D.C.
Morris Nelburger, Lutry, Switzerland
- International Colloquium on Biochemistry of Glucosides, Paris, France :**
David S. Feingold, University of California, Berkeley, Calif.
Dexter French, Iowa State College, Ames, Iowa
William Zev Hassid, University of California, Berkeley, Calif.
Jack L. Strominger, Washington University Medical School, St. Louis, Mo.
Annamaria Torriani Gorini, Massachusetts Institute of Technology, Cambridge, Mass.
Henry M. Tsuchiya, University of Minnesota, Minneapolis, Minn.
Roy L. Whistler, Purdue University, Lafayette, Ind.
Melville L. Wolfrom, The Ohio State University, Columbus, Ohio
- International Colloquium on Differential Geometry and Topology, Zurich, Switzerland :**
Louis Auslander, Indiana University, Bloomington, Ind.
Raoul Bott, Harvard University, Cambridge, Mass.
John W. Milnor, The University of California, Berkeley, Calif.
Hans Samelson, University of Michigan, Ann Arbor, Mich.
Shing-shen Chern, University of Chicago, Chicago, Ill.
Stephen Smale, Instituto de Matematica Pura e Aplicada, Rio de Janeiro, Brazil
- International Colloquium on the Evolution of Lower and Nonspecialized Mammals, Brussels, Belgium :**
Everett C. Olson, University of Chicago, Chicago, Ill.
Bryan Patterson, Harvard University, Cambridge, Mass.
Alfred S. Romer, Harvard University, Cambridge, Mass.
- International Colloquium on Fast Reactions, Hahnenklee, Germany :**
Stanley Atsaworth, University of Illinois, Urbana, Ill.

George H. Czerlinski, University of Pennsylvania, Philadelphia, Pa.
International Colloquium on Function Theory, Bombay, India:
Lipman Bers, Institute of Mathematical Sciences, New York University, New York, N.Y.
Louis Nirenberg, Institute of Mathematical Sciences, New York University, New York, N.Y.
International Commission for the Nomenclature of Cultivated Plants, Cambridge, England:
George H. M. Lawrence, Cornell University, Ithaca, N.Y.
Martin G. Weiss, Plant Industry Station, Beltsville, Md.
International Conference on Functional Analysis, Warsaw, Poland:
Victor L. Klee, Jr., Matematisk Institut, Copenhagen, Denmark
International Conference on Hall Storms, Verona, Italy:
Louis J. Batten, The University of Arizona, Tucson, Ariz.
Horace R. Byers, The University of Chicago, Chicago, Ill.
Robert D. Elliott, North American Weather Consultants, Goleta, Calif.
Charles L. Hosler, Jr., The Pennsylvania State University, University Park, Pa.
Heinz W. Kasemir, Neptune, N.J.
Paul B. Mac Cready, Jr., Atmospheric Research Group, Altadena, Calif.
Vincent J. Schaefer, American Meteorological Society, Schenectady, N.Y.
Richard A. Schlessener, Colorado State University, Fort Collins, Colo.
International Conference on Many-Body Problems, Utrecht, the Netherlands:
A. E. Glassgold, The University of California, Berkeley, Calif.
Abraham Klein, University of Pennsylvania, Philadelphia, Pa.
Joaquin M. Luttinger, University of Pennsylvania, Philadelphia, Pa.
David Pines, University of Illinois, Urbana, Ill.
J. Robert Schrieffer, University of Illinois, Urbana, Ill.
Harry Suhl, Bell Telephone Laboratories, Murray Hill, N.J.
International Conference on Physics Education, Paris, France:
Meiba Phillips, Washington University, St. Louis, Mo.
International Conference on Science in the Advancement of New States, Rehovoth, Israel:
Louis J. Batten, The University of Arizona, Tucson, Ariz.
Lloyd V. Berkner, Associated Universities, Inc., New York, N.Y.
W. C. Lowdermilk, Berkeley, Calif.
Alvin M. Weinberg, Oak Ridge National Laboratory, Oak Ridge, Tenn.
Jerrold E. Zacharias, Massachusetts Institute of Technology, Cambridge, Mass.
International Conference on the Teaching of Anthropology, Burg Wartenstein, Austria:
Ethel M. Albert, University of California, Berkeley, Calif.

International Congress of Embryology, Italy:
National Academy of Sciences—National Research Council, Washington, D.C.
International Congress on Histochemistry, Paris, France:
National Academy of Sciences—National Research Council, Washington, D.C.
International Congress on Microwave Tubes, Munich, Germany:
Walter R. Beam, Rensselaer Polytechnic Institute, Troy, N.Y.
Abraham Bers, Research Laboratory of Electronics, Cambridge, Mass.
Charles K. Birdsall, University of California, Berkeley, Calif.
Karl R. Spangenberg, Stanford University, Stanford, Calif.
International Congress on Photobiology, Copenhagen, Denmark:
National Academy of Sciences—National Research Council, Washington, D.C.
International Federation for Documentation Conference, Rio de Janeiro, Brazil:
Brian C. Vickery, Herts, England
International Information Theory Meeting, London, England:
Murray Eden, Massachusetts Institute of Technology, Cambridge, Mass.
Merrill M. Flood, University of Michigan, Ann Arbor, Mich.
Edmund M. Glaser, The Johns Hopkins University, Baltimore, Md.
David M. Green, Massachusetts Institute of Technology, Cambridge, Mass.
Robert G. Grossman, Walter Reed Army Institute of Research, Washington, D.C.
Kenneth E. Iverson, Harvard University, Cambridge, Mass.
F. Reza, Syracuse, N.Y.
Sze-Hou Chang, Electrical Engineering Department and Electronic Research Laboratories, Boston, Mass.
International Institute of Refrigeration, Commission 2; Commission 9 and Technical Board, Belgrade, Yugoslavia:
Carl F. Kayan, Columbia University, New York, N.Y.
International Kolloquium Uber Endliche Gruppen, Oberwolfach, West Germany:
William W. Boone, University of Illinois, Urbana, Ill.
John Griggs Thompson, Institute for Defense Analyses, Princeton, N.J.
International Meeting on Veterinary Education, London, England:
Mark Whittier Allam, University of Pennsylvania, Philadelphia, Pa.
Glenn C. Holm, Oklahoma State University, Stillwater, Okla.
International Mineralogy Association, Zurich, Switzerland:
Brian H. Mason, The American Museum of Natural History, New York, N.Y.
International Organization for Standards—Fourth Plenary Meeting, Technical Committee ISO/TC37—Terminology, West Berlin, Germany:
Jerrold Orne, The University of North Carolina, Chapel Hill, N.C.
International Summer Institute in Quantum Chemistry, Uppsala, Sweden:
Norman W. Bazley, University of Maryland, College Park, Md.
David W. Fox, University of Maryland, College Park, Md.

International Symposium on the Chemistry of Natural Products, Melbourne, Canberra, and Sydney, Australia :

Roger Adams, University of Illinois, Urbana, Ill.
Klaus Blemann, Massachusetts Institute of Technology, Cambridge, Mass.
William B. Cook, Montana State College, Bozeman, Mont.
William C. Dauben, The University of California, Berkeley, Calif.
Carl Djerassi, Stanford University, Stanford, Calif.
Jerome F. Eastham, University of Tennessee, Knoxville, Tenn.
Theodore A. Geissman, The University of California, Los Angeles, Calif.
Robert E. Ireland, University of Michigan, Ann Arbor, Mich.
S. Morris Kupchan, The University of Wisconsin, Madison, Wis.
Nelson J. Leonard, University of Illinois, Urbana, Ill.
Carl R. Noller, Stanford University, Stanford, Calif.
S. William Pelletier, The Rockefeller Institute, New York, N.Y.
Paul J. Scheuer, University of Hawaii, Honolulu, Hawaii
George H. Stout, University of Washington, Seattle, Wash.

International Symposium on Drugs Affecting Lipid Metabolism, Milan, Italy :

Roslyn B. Alfin-Slater, The University of California, Los Angeles, Calif.
Nicholas R. DiLuzio, University of Tennessee, Memphis, Tenn.
James F. Mead, The University of California Medical Center, Los Angeles, Calif.
Erwin H. Mosbach, Columbia University Research Service, New York, N.Y.
David A. Turner, Biochemistry Research Division, Baltimore, Md.

International Symposium on Macromolecular Chemistry, Moscow, Russia :

Werner W. Brandt, Illinois Institute of Technology, Chicago, Ill.
Paul Doty, Harvard University, Cambridge, Mass.
Frederick R. Eirich, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
Paul J. Flory, Mellon Institute, Pittsburgh, Pa.
Jan Hermans, State University, College of Forestry at Syracuse University, Syracuse, N.Y.
Maurice Higgins, Stanford Research Institute, Menlo Park, Calif.
Carl S. Marvel, University of Illinois, Urbana, Ill.
Robert Simha, University of Southern California, Los Angeles, Calif.
Robert Ullman, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.

International Symposium on Macromolecules, Wiesbaden, Germany :

Gaetano F. D'Alelio, University of Notre Dame, Notre Dame, Ind.
Walter H. Stockmayer, Massachusetts Institute of Technology, Cambridge, Mass.

International Symposium on *Pseudomonas/Achromobacter*, Bangor, Wales :

John C. Ayres, Iowa State University, Ames, Iowa

International Symposium on Vitamins, Poznan, Poland :

B. Connor Johnson, University of Illinois, Urbana, Ill.
International Union of Crystallography, Cambridge, England :
Sidney C. Abrahams, Brookhaven National Laboratories, Upton, N.Y.
Leroy E. Alexander, Mellon Institute, Pittsburgh, Pa.
Masao Atoji, Iowa State University, Ames, Iowa
Harry Brumberger, Syracuse University, Syracuse, N.Y.
Martin J. Buerger, Massachusetts Institute of Technology, Cambridge, Mass.
Lawrence F. Dahl, University of Wisconsin, Madison, Wis.
J. C. Grosskreutz, Midwest Research Institute, Kansas City, Mo.
David Harker, Roswell Park Memorial Institution, Buffalo, N.Y.
Edward W. Hughes, California Institute of Technology, Pasadena, Calif.
George A. Jeffrey, University of Pittsburgh, Pittsburgh, Pa.
James D. McCullough, The University of California, Los Angeles, Calif.
Lynne L. Merritt, Jr., Indiana University, Bloomington, Ind.
A. L. Patterson, The Institute for Cancer Research, Philadelphia, Pa.
Benjamin Post, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
Paul W. Schmidt, University of Missouri, Columbia, Mo.
Martin E. Straumanis, University of Missouri, Rolla, Mo.
Bertram E. Warren, Massachusetts Institute of Technology, Cambridge, Mass.
Jurg Waser, California Institute of Technology, Pasadena, Calif.
Elizabeth A. Wood, Bell Telephone Laboratories, Murray Hill, N.J.
Ralph W. G. Wyckoff, University of Arizona, Tucson, Ariz.
W. H. Zachariasen, The University of Chicago, Chicago, Ill.
International Volcanological Association, International Union of Geodesy and Geophysics, Paris, France :
Gordon A. Macdonald, Volcano, Hawaii
Lectures on Molecular Quantum Mechanics, Sao Paulo, Rio de Janeiro, Brazil, and Buenos Aires, Argentina :
Martin Karplus, University of Illinois, Urbana, Ill.
Lecture at Several Universities in Poland During the Month of June 1960 :
John P. Miller, Harvard University, Cambridge, Mass.
Meeting of the Bureau (Officers and Council) of the Federation Internationale de Documentation, Paris, France :
Milton O. Lee, Federation of American Societies for Experimental Biology, Washington, D.C.
Meeting of the Commission on Pharmacy Abstracts, Copenhagen, Denmark :
Winifred Sewell, Squibb Institute for Medical Research, New Brunswick, N.J.
Meeting of the Federation Internationale de Documentation, Warsaw, Poland :
Fred R. Cagle, Research Coordinator, Tulane University of Louisiana, New Orleans, La.

Meeting of the International Society of Horticulture Science, Rotterdam, Holland:
H. B. Tukey, Michigan State University, East Lansing, Mich.

Mathematical Institute of the Polish Academy of Sciences, Warsaw, Poland:
Antonio Zygmund, The University of Chicago, Chicago, Ill.

NATO Advanced Study Institute, Breukelen, The Netherlands:
Robert Alden Fish, Chicago, Ill.
John Eldon Gaustad, Princeton University, Princeton, N.J.
George Richard Huguenin, Cambridge, Mass.
John McKim Malville, University of Colorado, Boulder, Colo.
Dimitri M. Mihalas, California Institute of Technology, Pasadena, Calif.
Robert A. R. Parker, California Institute of Technology, Pasadena, Calif.
Peter Oliver Vandervoort, National Radio Astronomy Observatory, Greenbank, W. Va.
Andrew Tipton Young, Harvard College Observatory, Cambridge, Mass.

NATO Advanced Study Institute, Edinburgh, Scotland:
Michael J. Moravcsik, University of California, Livermore, Calif.
William C. Ramsay, University of California, Los Angeles, Calif.

NATO Advanced Study Institute, Les Houches, France:
Thomas Laurence Trueman, Chicago, Ill.

NATO Advanced Study Institute, Manchester, England:
Charles T. Prewitt, Massachusetts Institute of Technology, Cambridge, Mass.
Richard H. Stanford, Jr., California Institute of Technology, Pasadena, Calif.
Bernhardt John Wuensch, Massachusetts Institute of Technology, Cambridge, Mass.

NATO Advanced Study Institute, Varenna, Italy:
John T. Lyman, The University of California, Berkeley, Calif.
Jan Polissar, Harvard University, Boston, Mass.

Natural Rubber Research Conference, Kuala Lumpur, Malaya:
Howard J. Teas, University of Florida, Gainesville, Fla.

Nineteenth International Geographical Congress, Stockholm, Sweden:
Wallace E. Akin, Drake University, Des Moines, Iowa
Carleton P. Barnes, U.S. Department of Agriculture, Washington, D.C.
Lloyd D. Black, U.S. Department of Commerce, Garrett Park, Md.
David J. M. Hooson, University of Maryland, College Park, Md.
Pelce F. Lewis, The Pennsylvania State University, University Park, Pa.
Duane F. Marble, University of Pennsylvania, Philadelphia, Pa.
E. Willard Miller, The Pennsylvania State University, University Park, Pa.
Peter H. Nash, University of Cincinnati, Cincinnati, Ohio
Laurence H. Nobles, Northwestern University, Evanston, Ill.

Theodore Shabad, American Geographical Society, New York, N.Y.
John C. Sherman, University of Washington, Seattle, Wash.
David A. Smith, The Pennsylvania State University, University Park, Pa.
David D. Smith, Coastal Studies Institute, Manteo, N.C.
Edwin N. Thomas, State University of Iowa, Iowa City, Iowa
Edward L. Ullman, Washington University, Saint Louis, Mo.
James E. Vance, Jr., University of California, Berkeley, Calif.

Phase Transitions and Anomalous Dispersion, Osaka, Japan:
Thomas H. Doyne, Department of Chemistry, Villanova University, Villanova, Pa.

Photonuclear Conference, Karlsruhe, Germany:
Heinrich A. Medicus, Rensselaer Polytechnic Institute, Troy, N.Y.
Paul F. Yergin, Rensselaer Polytechnic Institute, Troy, N.Y.
Daniel J. Zaffarano, Iowa State University, Ames, Iowa

Physical Chemistry of Aerosols, Bristol, England:
Frank T. Gucker, Indiana University, Bloomington, Ind.

Preliminary Field Survey and Planning of Nubian Archaeology, Los Angeles, California to Nubia, Egypt:
Clement W. Meighan, the University of California, Los Angeles, Calif.

Preparation of a Volume of Mathematical Tables Required by Statisticians, London, England:
Herman Otto Hartley, Iowa State University, Ames, Iowa

Scientific Conference of the Department of Fluid Mechanics, Augustow, Poland:
Frederick Sterling Sherman, the University of California, Berkeley, Calif.

Second All-Union Conference on Nuclear Reactions at Low and Intermediate Energies, Moscow, Russia:
R. V. Pound, Harvard University, Cambridge, Mass.

Second Hungarian Mathematical Congress, Budapest, Hungary:
Einar Hille, Yale University, New Haven, Conn.
Victor L. Klee, Jr., Matematisk Institut, Copenhagen, Denmark

Second International Congress of Bioclimatology and Biometeorology, London, England:
A. Nelson Dingle, the University of Michigan, Ann Arbor, Mich.
Edwin W. King, Clemson College, Clemson, S.C.
Frederick Sargent, II, University of Illinois, Urbana, Ill.
Richard David Schein, the Pennsylvania State University, University Park, Pa.
John A. Sealander, Jr., University of Arkansas, Fayetteville, Ark.
Gerald B. Spurr, the University of Tennessee College of Medicine, Memphis, Tenn.
George G. Zabka, State University of Iowa, Iowa City, Iowa

Second International Congress on Catalysis, Paris, France:

John E. Benson, the Pennsylvania State University, University Park, Pa.
Robert L. Burwell, Jr., Northwestern University, Evanston, Ill.
John J. Chessick, Lehigh University, Bethlehem, Pa.
Joseph D. Danforth, Grinnell College, Grinnell, Iowa
H. E. Farnsworth, Brown University, Providence, R.I.
Joseph A. Feighan, Saint Joseph's College, Philadelphia, Pa.
Gwan Kim, Princeton University, Princeton, N.J.
Knut Axel Krieger, University of Pennsylvania, Philadelphia, Pa.
Ernest M. Loeb, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
Giuseppe Parravano, the University of Michigan, Ann Arbor, Mich.
Herman Pines, Northwestern University, Evanston, Ill.

Second International Course of Lyophilization, Lyon, France:

John W. McTigue, Washington, D.C.
Second World Conference on Earthquake Engineering, Tokyo and Kyoto, Japan:

Glen V. Berg, University of Michigan, Ann Arbor, Mich.

Ray William Clough, the University of California, Berkeley, Calif.

C. Martin Duke, the University of California, Los Angeles, Calif.

Donald E. Hudson, California Institute of Technology, Pasadena, Calif.

Richard L. Jennings, University of Illinois, Urbana, Ill.

Frank Neumann, University of Washington, Seattle, Wash.

Joseph Penzlen, Massachusetts Institute of Technology, Cambridge, Mass.

Karl V. Stehnbrugge, the University of California, Berkeley, Calif.

William T. Thomson, the University of California, Los Angeles, Calif.

Merit P. White, University of Massachusetts, Amherst, Mass.

Seminar on Aerial Survey Methods and Equipment Economic Commission for Asia and the Far East (ECAFE), Bangkok, Thailand:

Shirley V. Griffith, Executive Office of the President, Bureau of the Budget, Washington, D.C.

Seminar on the Status and Development of the Teaching of Chemistry:

Robert Rice, Berkeley High School, Berkeley, Calif.

J. Arthur Campbell, Harvey Mudd College, Claremont, Calif.

Laurence E. Strong, Earlham College, Richmond, Ind.

Paul Westmeyer, University of Illinois, Urbana, Ill.

Seventh International Conference on Coastal Engineering, The Hague, Netherlands:

Donald R. F. Harieman, Massachusetts Institute of Technology, Cambridge, Mass.

Douglas Lamar Inman, the University of California, La Jolla, Calif.

Joe W. Johnson, the University of California, Berkeley, Calif.

Robert L. Wiegel, the University of California, Berkeley, Calif.

Seventeenth International Congress of Pure and Applied Science, Munich, Germany:

John C. Ballar, Jr., University of Illinois, Urbana, Ill.

Sixteenth International Congress of Psychology, Bonn, Germany:

R. C. Davis, Indiana University, Bloomington, Ind.

Richard deCharms, Washington University, St. Louis, Mo.

Donelson E. Dulany, Jr., University of Illinois, Urbana, Ill.

Horace B. English, Ohio State University, Columbus, Ohio

Joshua A. Fishman, University of Pennsylvania, Philadelphia, Pa.

Edwin A. Fleishman, Yale University, New Haven, Conn.

Donald G. Forgas, Rutgers, The State University, New Brunswick, N.J.

Jacob L. Gewirtz, The Hebrew University, Jerusalem, Israel

Eleanor J. Gibson, Cornell University, Ithaca, N.Y.

J. C. Gilchrist, University of Wisconsin, Madison, Wis.

Albert E. Goss, University of Massachusetts, Amherst, Mass.

Harold Gulliksen, Princeton University, Princeton, N.J.

Davis H. Howes, Massachusetts Institute of Technology, Cambridge, Mass.

Eugene Jacobson, Michigan State University, East Lansing, Mich.

Tracy S. Kendler, Columbia University, New York, N.Y.

Nathan Kogan, Educational Testing Service, Princeton, N.J.

Sheldon J. Korchin, National Institute of Mental Health, Bethesda, Md.

Herschel W. Leibowitz, University of Wisconsin, Madison, Wis.

Kenneth MacCorquodale, University of Minnesota, Minneapolis, Minn.

William J. McGill, Columbia University, New York, N.Y.

Walter Mischel, Harvard University, Cambridge, Mass.

Alvin John North, Southern Methodist University, Dallas, Tex.

Carl Pfaffman, Brown University, Providence, R.I.

Bertram H. Raven, The University of California, Los Angeles, Calif.

Harold Schlosberg, Brown University, Providence, R.I.

Arnold M. Small, Jr., State University of Iowa, Iowa City, Iowa

John S. Stamm, Institute of Living, Hartford, Conn.

Joseph Charles Stevens, Harvard University, Cambridge, Mass.

John W. Thibaut, The University of North Carolina, Chapel Hill, N.C.

Wilse B. Webb, University of Florida, Gainesville, Fla.

Philip G. Zimbardo, Yale University, New Haven, Conn.

Sixth International Congress of Anthropological and Ethnological Sciences, Paris, France:

Joseph B. Casagrande, Social Science Research Council, New York, N.Y.

Donald Collier, Chicago Natural History Museum, Chicago, Ill.

Henry B. Collins, Smithsonian Institution, Washington, D.C.

Edward P. Dozier, Bagulo City, Philippines

Gordon F. Ekholm, American Museum of Natural History, New York, N.Y.

Emil W. Haury, University of Arizona, Tucson, Ariz.

E. Adamson Hoebel, University of Minnesota, Minneapolis, Minn.

John J. Honigsmann, University of North Carolina, Chapel Hill, N.C.

Alfred Kidder II, University of Pennsylvania, Philadelphia, Pa.

Keith R. Porter, Cytology Department, The Rockefeller Institute, New York, N.Y.

Sixth National Conference of the Czechoslovakian Society for Electron Microscopy, Smolenice, Czechoslovakia:

Betty J. Meggers, American Anthropological Association, Washington, D.C.

Carlyle Shreeve Smith, Museum of Natural History, Lawrence, Kans.

William C. Sturtevant, Smithsonian Institution, Washington, D.C.

Richard B. Woodbury, University of Arizona, Tucson, Ariz.

Leslie A. White, University of Michigan, Ann Arbor, Mich.

Structure of Graphite and Kinetics of Its Reactions, Paris, France:

Stanislaw Mrozowski, University of Buffalo, Buffalo, N.Y.

Summer Institute of Physics, San Carlos de Bariloche, Argentina:

Donald W. Connor, Argonne National Laboratory, Lemont, Ill.

Support of Travel of American Scientists to the University of Oxford Symposium on the History of Science, Oxford, England:

I. B. Cohen, Harvard University, Cambridge, Mass.

Survey of Biometeorology in Europe:

Helmut E. Landsberg, U.S. Weather Bureau, Washington, D.C.

Symposium on the Biology of Space Travel, London, England:

Harlow Shapley, Peterborough, N.H.

Symposium on Linear Spaces, Jerusalem, Israel:

Richard F. Arens, the University of California, Los Angeles, Calif.

Leon Ehrenpreis, Yeshiva University, New York, N.Y.

Henry Helson, the University of California, Berkeley, Calif.

Victor L. Klee, Jr. Matematisk Institut, Kobehavn, Denmark

Peter Lax, New York University, New York, N.Y.

Wilhelmus A. J. Luxemburg, California Institute of Technology, Pasadena, Calif.

George W. Mackey, Harvard University, Cambridge, Mass.

Ralph S. Phillips, the University of California, Los Angeles, Calif.

Angus E. Taylor, the University of California, Los Angeles, Calif.

John Wermer, Brown University, Providence, R.I.

Symposium on Macromolecular Structure and Biological Function, Stockholm, Sweden:

Vincent G. Allfrey, the Rockefeller Institute, New York, N.Y.

Daniel I. Arnon, the University of California, Berkeley, Calif.

Erwin Chargaff, Columbia University, New York, N.Y.

Albert Dorfman, University of Chicago, Chicago, Ill.

Albert W. Frenkel, University of Minnesota, Minneapolis, Minn.

David E. Green, the University of Wisconsin, Madison, Wis.

F. Edmund Hunter, Jr., Washington University Medical School, Saint Louis, Mo.

Andre T. Jagendorf, the Johns Hopkins University, Baltimore, Md.

Martin D. Kamen, Brandeis University, Waltham, Mass.

Henry A. Lardy, the University of Wisconsin, Madison, Wis.

Albert L. Lehninger, the Johns Hopkins School of Medicine, Baltimore, Md.

George E. Palade, the Rockefeller Institute, New York, N.Y.

Gertrude E. Perlmann, Rockefeller Institute, New York, N.Y.

Keith R. Porter, the Rockefeller Institute, New York, N.Y.

Maynard E. Pullman, the Public Health Research Institute, New York, N.Y.

Thomas P. Singer, Edsel B. Ford Institute for Medical Research, Detroit, Mich.

Birgit Vennesland, University of Chicago, Chicago, Ill.

Christophe Henri Werner, Brookhaven National Laboratory, Upton, N.Y.

Symposium on Membrane Transport and Metabolism, Prague, Czechoslovakia:

Emil Aschheim, New York, N.Y.

Halvor N. Christensen, the University of Michigan, Ann Arbor, Mich.

Vincent Paul Cirillo, Seton Hall College of Medicine and Dentistry, Jersey City, N.J.

Robert K. Crane, Washington University Medical School, Saint Louis, Mo.

Robert E. Davies, University of Pennsylvania, Philadelphia, Pa.

George Eisenman, Eastern Pennsylvania Psychiatric Institute, Philadelphia, Pa.

Ernest C. Foulkes, the May Institute for Medical Research, Cincinnati, Ohio

H. O. Halvorson, College of Agriculture, Madison, Wis.

Lowell E. Hokin, University of Wisconsin, Madison, Wis.

Bernard L. Horecker, New York University College of Medicine, New York, N.Y.

Alexander Leaf, Harvard Medical School, Boston, Mass.

Charles R. Park, Vanderbilt University Medical School, Nashville, Tenn.

Robert L. Post, Vanderbilt University Medical School, Nashville, Tenn.

Howard V. Rickenberg, University of Washington, Seattle, Wash.

Symposium on the Methodics of the Mammalia Investigation, Brno, Plotni, Czechoslovakia:

E. Raymond Hall, University of Kansas, Lawrence, Kans.

Symposium on Metrology (Standardization) of Radionuclides, Vienna, Austria:

George G. Manov, Technical Director, Tracerlab, Incorporated, Richmond, Calif.

Brian David Pate, Washington University, Saint Louis, Mo.

Symposium on the Numerical Treatment of Ordinary Differential Equations, Integral and Integro-Differential Equations, Rome, Italy:

H. A. Antosiewicz, University of Southern California, Los Angeles, Calif.
Richard Courant, New York University, New York, N.Y.

Joaquin B. Diaz, University of Maryland, College Park, Md.

Jim Douglas, Jr., Rice Institute, Houston, Texas

Paul K. Garabedian, New York University, New York, N.Y.

Jurgen Moser, New Rochelle, N.Y.

John Todd, California Institute of Technology, Pasadena, Calif.

Symposium of Polarization of Nucleons, Basel, Switzerland:

Fred H. Schmidt, University of Washington, Seattle, Wash.

Symposium on Protein Biosynthesis, Amsterdam, Netherlands:

James Bonner, California Institute of Technology, Pasadena, Calif.

Fritz Lipmann, the Rockefeller Institute, New York, N.Y.

Alfred B. Mirsky, the Rockefeller Institute, New York, N.Y.

George C. Webster, the Ohio State University, Columbus, Ohio

Paul C. Zamecnik, Harvard University, Cambridge, Mass.

Symposium on Scientific Problems of Plant Protection, Budapest, Hungary:

Robert N. Goodman, University of Missouri, Columbia, Mo.

Symposium on the Visual System, Freiburg, Germany:

Russell L. De Valois, Indiana University, Bloomington, Ind.

Robert W. Doty, the University of Michigan, Ann Arbor, Mich.

Dorothea J. Hurvich, New York University, New York, N.Y.

Edward F. MacNichol, Jr., the Johns Hopkins University, Baltimore, Md.

Symposium at the Weizmann Institute, Rehovoth, Israel and Lecture Series in Utrecht, Holland:

S. M. Ulam, Los Alamos Scientific Laboratory, Los Alamos, N. Mex.

Tenth International Astrophysical Symposium, Liege, Belgium:

Joseph Wyan Chamberlain, the University of Chicago, Williams Bay, Wis.

Thomas Gold, Cornell University, Ithaca, N.Y.

Leo Goldberg, the University of Michigan, Ann Arbor, Mich.

William Liller, the University of Michigan, Ann Arbor, Mich.

A. E. Lilley, Harvard University, Cambridge, Mass.

William A. Rense, University of Colorado, Boulder, Colo.

Fritz Rohrlich, State University of Iowa, Iowa City, Iowa

Edward P. Todd, University of Colorado, Boulder, Colo.

Tenth International Congress of Applied Mechanics, Stresa, Italy:

Ferdinand P. Beer, Lehigh University, Bethlehem, Pa.

Maurice A. Brill, University of Pennsylvania, Philadelphia, Pa.

Stephen H. Crandall, Massachusetts Institute of Technology, Cambridge, Mass.

Yuan Cheng Bertram Fung, California Institute of Technology, Pasadena, Calif.

Werner Goldsmith, the University of California, Berkeley, Calif.

George H. Handelman, Rensselaer Polytechnic Institute, Troy, N.Y.

Robert M. Haythornthwaite, the University of Michigan, Ann Arbor, Mich.

Rudolf Herman, University of Minnesota, Minneapolis, Minn.

Miklos Hetenyi, Northwestern University, Evanston, Ill.

Stephen Juhasz, Southwest Research Institute, San Antonio, Tex.

Martin Lessen, University of Pennsylvania, Philadelphia, Pa.

Geoffrey S. S. Ludford, University of Maryland, College Park, Md.

Joseph Marlin, The Pennsylvania State University, University Park, Pa.

Ernest F. Masur, The University of Michigan, Ann Arbor, Mich.

Julius Mikiowitz, California Institute of Technology, Pasadena, Calif.

John W. Miles, University of California, Los Angeles, Calif.

Paul R. Paslay, Rice Institute, Houston, Tex.

Milton S. Plesset, California Institute of Technology, Pasadena, Calif.

Shan-fu Shen, University of Maryland, College Park, Md.

Walter W. Soroka, University of California, Berkeley, Calif.

Walter G. Vincenti, Stanford University, Stanford, Calif.

Jerome Harris Weiner, Columbia University, New York, N.Y.

Alexander Weinstein, University of Maryland, College Park, Md.

Max L. Williams, Jr., California Institute of Technology, Pasadena, Calif.

Tenth International Congress for Cell Biology, Paris, France:

National Academy of Sciences—National Research Council, Washington, D.C.

Third International Conference on Medical Electronics, London, England:

A. L. Hopkins, Western Reserve University, Cleveland, Ohio

Third Symposium on Gas Chromatography, Edinburgh, Scotland:

Warren W. Brandt, Purdue University, Lafayette, Ind.

Henry Freiser, The University of Arizona, Tucson, Ariz.

Thirteenth General Assembly, International Scientific Radio Union, London, England:

Nicolaas Bloembergen, Harvard University, Cambridge, Mass.

Rufus G. Fellers, University of South Carolina, Columbia, S.C.

Roy Walter Gould, California Institute of Technology, Pasadena, Calif.

Edward C. Jordan, University of Illinois, Urbana, Ill.

Laurence A. Manning, Stanford University, Stanford, Calif.

Nathan Marcovitz, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.

Arthur A. Oliner, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.

Allan M. Peterson, Stanford University, Stanford, Calif.

Samuel Silver, The University of California, Berkeley, Calif.

Louis D. Smullin, Massachusetts Institute of Technology, Cambridge, Mass.
John Bridges Smyth, Smyth Research Associates, San Diego, Calif.
Aldert van der Ziel, University of Minnesota, Minneapolis, Minn.
Alan T. Waterman, Jr., Stanford University, Stanford, Calif.
Arthur H. Waynick, Pennsylvania State University, University Park, Pa.

Thirteenth Congress of the International Scientific Film Association, London and Oxford University, England :

Robert Eugene Green, Advisory Board on Education, National Academy of Sciences, Washington, D.C.
Willard Webb, Reader and Stack Division, the Library of Congress, Washington, D.C.

Thirty-second International Congress of Industrial Chemistry, Barcelona, Spain :

Eugene G. Rochow, Harvard University, Cambridge, Mass.

Thirty-second Session International Statistical Institute, Tokyo, Japan :

Leo Katz, Office of Naval Research, New York, N.Y.

Twelfth General Assembly, International Union of Geodesy and Geophysics, Helsinki, Finland :

William C. Ackermann, Illinois State Water Survey, Urbana, Ill.
Carl I. Aslakson, Bethesda, Md.
Werner A. Baum, the Florida State University, Tallahassee, Fla.
Bruce B. Benson, Amherst College, Amherst, Mass.

George S. Benton, the Johns Hopkins University, Baltimore, Md.

Jacob Bjerknes, the University of California, Los Angeles, Calif.

William E. Bonini, Princeton, N.J.

Wallace S. Broecker, Columbia University, Palisades, N.Y.

Horace R. Byers, the University of Chicago, Chicago, Ill.

D. E. Caritt, the Johns Hopkins University, Baltimore, Md.

Jule G. Charney, Massachusetts Institute of Technology, Cambridge, Mass.

Samuel Epstein, California Institute of Technology, Pasadena, Calif.

Rhodes W. Fairbridge, Columbia University, New York, N.Y.

Donald R. Fitzgerald, the University of Chicago, Chicago, Ill.

Robert G. Fleagle, University of Washington, Seattle, Wash.

Francois N. Frenkiel, David Taylor Model Basin, Washington, D.C.

Irving Friedman, U.S. Geological Survey, Washington, D.C.

Paul W. Gast, University of Minnesota, Minneapolis, Minn.

Richard M. Goody, Harvard University, Cambridge, Mass.

Donald R. F. Harleman, Massachusetts Institute of Technology, Cambridge, Mass.

Bernhard Haurwitz, University of Colorado, Boulder, Colo.

Bruce C. Heezen, Columbia University, Palisades, N.Y.

Seymour L. Hess, the Florida State University, Tallahassee, Fla.

Charles L. Hosler, Jr., the Pennsylvania State University, University Park, Pa.

Benjamin F. Howell, Jr., the Pennsylvania State University, University Park, Pa.

Roman K. C. Johns, Baird-Atomic, Inc., Cambridge, Mass.

F. F. Kocoy, University of Miami, Virginia Key, Miami, Fla.

Heinz H. Lettau, the University of Wisconsin, Madison, Wis.

Ray K. Linsley, Stanford University, Stanford, Calif.

Joanne S. Malkus, Woods Hole Oceanographic Institution, Woods Hole, Mass.

John F. Mink, Honolulu, Hawaii

W. Bradley Myers, Rome, Italy

Morris Neiburger, Lutry, Switzerland

Gerhard Neumann, New York University, New York, N.Y.

Alfred O. C. Nier, University of Minnesota, Minneapolis, Minn.

Sverre Petterssen, the University of Chicago, Chicago, Ill.

George W. Platzman, the University of Chicago, Chicago, Ill.

D. W. Pritchard, the Johns Hopkins University, Baltimore, Md.

Collin S. Ramage, University of Hawaii, Honolulu, Hawaii

Joseph L. Reid, Jr., Scripps Institution of Oceanography, La Jolla, Calif.

Walter Orr Roberts, University of Colorado, Boulder, Colo.

Zdenek Sekera, the University of California, Los Angeles, Calif.

Verner Edward Suomi, the University of Wisconsin, Madison, Wis.

David K. Todd, the University of California, Berkeley, Calif.

Karl K. Turekian, Yale University, New Haven, Conn.

Willem van der Bijl, Kansas State University, Manhattan, Kans.

Robert C. Wentworth, University of Maryland, College Park, Md.

James T. Wilson, the University of Michigan, Ann Arbor, Mich.

Warren S. Wooster, the University of California, Los Angeles, Calif.

James H. Zumberge, the University of Michigan, Ann Arbor, Mich.

Twelfth General Assembly International Union of Geodesy and Geophysics :

K. Aki, California Institute of Technology, Pasadena, Calif.

C. R. Allen, California Institute of Technology, Pasadena, Calif.

R. G. Bader, Agricultural and Mechanical College of Texas, College Station, Tex.

C. R. Bentley, Antarctic Research Center, Madison, Wis.

J. N. Brune, Lamont Geological Observatory, Palisades, N.Y.

K. C. Clark, University of Washington, Seattle, Wash.

P. C. Dalrymple, Quartermaster Research and Engineering Command, Natick, Mass.

T. N. Davis, University of Alaska, College, Alaska

H. J. Dorman, Lamont Geological Observatory, Palisades, N.Y.

D. B. Ericson, Lamont Geological Observatory, Palisades, N.Y.

C. T. Fray, Lamont Geological Observatory, Palisades, N.Y.

Twelfth General Assembly International Union of Geodesy and Geophysics—Continued

R. C. Haynes, New York University, New York, N.Y.

J. F. Hennon, Lamont Geological Observatory, Palisades, N.Y.

D. W. Hood, Agricultural and Mechanical College of Texas, College Station, Tex.

R. Howard, University of Massachusetts, Amherst, Mass.

J. W. Kenwisher, Woods Hole Oceanographic Institute, Woods Hole, Mass.

J. A. Knauss, University of California, La Jolla, Calif.

W. B. Krieb, California Institute of Technology, Pasadena, Calif.

E. R. LaChapelle, University of Washington, Seattle, Wash.

M. G. Landismen, Lamont Geological Observatory, Palisades, N.Y.

H. Leinbach, University of Alaska, College, Alaska

S. Matsushit, University of Colorado, Boulder, Colo.

R. P. Meyer, University of Wisconsin, Madison, Wis.

F. O. Ostopoff, Department of Commerce, Washington, D.C.

E. C. Ray, State University of Iowa, Iowa City, Iowa

M. H. Rees, University of Alaska, College, Alaska

R. O. Reid, Agricultural and Mechanical College of Texas, College Station, Tex.

M. K. Robinson, University of California, La Jolla, Calif.

R. L. Shreve, University of California, Los Angeles, Calif.

W. Stander, Department of Geophysics and Geophysical Engineering, St. Louis, Mo.

T. Takahashi, Box 1164, Alfred, N.Y.

E. Thiel, University of Wisconsin, Madison, Wis.

S. B. Treves, University of Nebraska, Lincoln, Nebr.

W. W. Vickara, Ohio State University, Columbus, Ohio

V. Herson, Scripps Institution of Oceanography, La Jolla, Calif.

L. Wallace, University of Chicago, Williams Bay, Wis.

Twenty-fifth International Congress of Orientalists, Moscow, Russia :

Fred Adelman, University of Pittsburgh, Pittsburgh, Pa.

Richard K. Beardsley, the University of Michigan, Ann Arbor, Mich.

Morton H. Fried, Columbia University, New York, N.Y.

Lawrence Krader, American University, Washington, D.C.

Twenty-first International Geological Congress, Copenhagen, Denmark :

Victor T. Allen, Saint Louis University, St. Louis, Mo.

Orville L. Bandy, University of Southern California, Los Angeles, Calif.

Herman F. Becker, the New York Botanical Garden, New York, N.Y.

Carl S. Benson, University of Alaska, College, Alaska

William B. N. Berry, University of California, Berkeley, Calif.

D. L. Blackstone, Jr., University of Wyoming, Laramie, Wyo.

William F. Brace, Massachusetts Institute of Technology, Cambridge, Mass.

Wallace M. Cady, Montpelier, Vt.

Kenneth E. Caster, University of Cincinnati, Cincinnati, Ohio

Charles W. Chessman, California State Department of Natural Sciences, San Francisco, Calif.

Alvin J. Cohen, Mellon Institute, Pittsburgh, Pa.

Byron N. Cooper, Virginia Polytechnic Institute, Blacksburg, Va.

Dwight F. Crowder, U.S. Geological Survey, Denver, Colo.

Richard V. Dietrich, Virginia Polytechnic Institute, Blacksburg, Va.

J. Thomas Dutro, Jr., U.S. Geological Survey, Washington, D.C.

Gordon P. Eaton, University of California, Riverside, Calif.

D. Jerome Fisher, University of Chicago, Chicago, Ill.

Clifford Frondel, Harvard University, Cambridge, Mass.

Julian R. Goldsmith, University of Chicago, Chicago, Ill.

Warren B. Hamilton, U.S. Geological Survey, Denver, Colo.

Cornelius S. Hurlbut, Jr., Harvard University, Cambridge, Mass.

Thor N. V. Karlstrom, U.S. Geological Survey, Washington, D.C.

Benjamin F. Leonard, III, U.S. Geological Survey, Denver, Colo.

Grover E. Murray, Louisiana State University, Baton Rouge, La.

Robert B. Neuman, U.S. Geological Survey, Washington, D.C.

Willard H. Parsons, Wayne State University, Detroit, Mich.

Troy L. Pewe, University of Alaska, College, Alaska

Ralph K. Roberts, U.S. Geological Survey, Menlo Park, Calif.

Francis P. Shepard, Scripps Institution of Oceanography, La Jolla, Calif.

E. H. Timothy Whitten, Northwestern University, Evanston, Ill.

Harry B. Whittington, Harvard University, Cambridge, Mass.

Twenty-sixth Conference, International Federation for Documentation, Rio de Janeiro, Brazil :

Allen Kent, Western Reserve University, Cleveland, Ohio

UNESCO Arid Lands Symposium, Paris, France :

William D. Schorger, the University of Michigan, Ann Arbor, Mich.

Visit and Lecture at the Czechoslovakian Academy of Biological Sciences, Prague, Czechoslovakia :

Paul H. Maurer, University of Pittsburgh, Pittsburgh, Pa.

Visiting European Centers of Child Research :

Paul H. Mussen, University of California, Berkeley, Calif.

Visiting Soviet Laboratories, U.S.S.R. :

Richard M. Foose, Stanford Research Institute, Menlo Park, Calif.

Visiting and Working in Laboratories in the U.S.S.R. During the Summer of 1960, Leningrad and Moscow, Russia :

Jack Frumlin, Basle, Switzerland

SCIENTIFIC INFORMATION SERVICE

ACTA METALLURGICA, Schenectady, N.Y.; Translation and Publication of Five Russian Journals; Doklady Akademi Nauk SSSR; Obogashchénie (Ore Beneficiation); Ognepory (Refractories); Metalovedenie i Obrabotka Metallov (Metal Science and Treatment); and Metallurgy; 1 year; \$60,787

The Translation and Publication of the 1959 Issues of the Physics of Metals and Metallurgy and the Journal of Abstracts Metallurgy, Parts A and B; 1 year; \$49,213

Translation and Publication of Three Russian Books and/or Monographs From Scientific Literature of the Soviet Union Related to Materials Science and Engineering; 1 year; \$23,046

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Symposium on the Sciences in Communist China; 7 months; \$29,925

AMERICAN AUTOMATIC CONTROL COUNCIL, PURDUE UNIVERSITY, Lafayette, Ind.; Partial Support for Publication of the Proceedings of the First International Federation of Automatic Control; 1 year; \$20,000

AMERICAN CERAMIC SOCIETY, Inc., Columbus, Ohio; Translation and Publication of the Russian Journal, "Glass and Ceramics"; 4 years; \$19,960

AMERICAN DOCUMENTATION INSTITUTE, Bethesda, Md.; Full-Time Executive Secretariat at the American Documentation Institute; 8 years; \$49,500

AMERICAN FISHERIES SOCIETY, Ann Arbor, Mich.; Publication of a List of Common and Scientific Names of Fishes From the United States and Canada; 1 year; \$4,775

AMERICAN GEOGRAPHICAL SOCIETY, New York, N.Y.; Translation and Dissemination of "Soviet Geographical Literature"; 1 year; \$38,042

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; English Edition of the Russian Bulletin of the U.S.S.R., 1959 Geophysics Series; 1 year; \$53,860

Preparation and Publication of Reviews of U.S. Geophysics for the Twelfth General Assembly of IUGG; 6 months; \$9,400

Translation and Publication of the Russian Journal, "Geodesy and Cartography" Beginning With the 1959 Issues; 1 year; \$25,466

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Basic Problems of Biological Aging; 1 year; \$9,100

Continued Support of the Translation and Publication of an English Edition of the 1959 Issues of the Russian Journal "Entomological Review"; 1 year; \$32,293

Preparation of a Supplement to the "Bibliography of Eastern Asiatic Botany," by E. D. Merrill and E. H. Walker; \$25,130

Study of the Feasibility of Establishing a Joint Editorial-Business Managerial Office for Certain Biological Periodicals; 1 year; \$9,100

Supplementary Support of the Translation of Publication of the Russian Journal, "Soil Science"; 3 months; \$42,654

Translation and Publication of the 1959 Issues of "Doklady" (Biological Sciences and Botanical Sciences Sections), "Microbiology," and "Plant Physiology"; 1 year; \$75,133

Translation and Publication of the 1959 Issues of the Russian Journal, "Soil Science"; 1 year; \$49,464

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Partial Support of a Decennial Index to "The Journal of the Acoustical Society of America"; 1 year; \$31,800

Study of Physics Publishing Problems; 3 years; \$108,700

Support of an English Edition of the 1960 Issues of the Russian Journal of Acoustics; 1 year; \$6,900

Support of the 1960 Issues of an English Edition of the Russian Journal of Technical Physics; 1 year; \$17,600

Support of the 1960 Issues of the Translation and Publication of the Physics Section of the Russian Journal, Doklady; 1 year; \$23,700

Support for the Translation and Publication of the 1960 Issues of the Russian Journal of Experimental and Theoretical Physics; 1 year; \$52,500

The 1959 Issues of an English Edition of the Russian Journal "Crystallography"; 1 year; \$15,725

The Translation and Publication of the 1959 Issues of the Russian Journal "Astronomy"; 1 year; \$28,650

Translation and Publication of the 1959 Issues of a New Russian Journal "Solid State Physics"; 1 year; \$50,860

Translation and Publication of the Russian Journal, "Progress of Physical Sciences"; 1 year; \$39,000

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Continued Partial Support for the Publication of "Mathematical Reviews"; 1 year; \$54,800

Emergency Support of the Transactions of the American Mathematical Society; 1 year; \$13,400

Extension of the Translation of Selected Russian Mathematical Articles Project; 1 year; \$25,576

Survey of Contemporary Chinese Mathematical Research To Study Translation Needs and the Preparation of Reviews of Chinese Mathematical Articles; 1 year; \$43,105

Translation and Publication of Three Russian Books: "Some Applications of Functional Analysis in Mathematical Physics," "Some Questions in the Theory of Moments," and "Theory of Analytic Functions of Several Complex Variables"; 1 year; \$13,105

Translation of the Pure Mathematics Section of "The Proceedings of the U.S.S.R. Academy of Science—Doklady"; 5 months; \$11,887

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Preparation and Publication of a Backlog of Abstracts and a Decennial Index for "Meteorological Abstracts and Bibliography"; 2 years; \$155,250

AMERICAN MICROSCOPICAL SOCIETY, MONTANA STATE COLLEGE, Bozeman, Mont.; Harold W. Manter; Partial Support for Reprinting Back Issues of the Transactions of the American Microscopical Society; 3 years; \$11,250

AMERICAN MICROSCOPICAL SOCIETY, THE UNIVERSITY OF NEBRASKA, Lincoln, Nebr.; Preparation and Publication of a Cumulative Index to Volumes 1-80 of the "Transactions of the American Microscopical Society"; 2 years; \$10,000

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; *Publication of Two Monographs on Texas Permian Invertebrates*; 1 year; \$6,000

AMERICAN PHILOSOPHICAL ASSOCIATION, NEW YORK UNIVERSITY, New York, N.Y.; *Translation and Critique of Selected Works of Some Leading Polish Logicians*; 1 year; \$8,500

AMERICAN ROCKET SOCIETY, INC.; New York, N.Y.; *Selected Translation of Russian Material in the Field of Astronautics*; 1 year; \$55,408

AMERICAN SOCIETY OF MECHANICAL ENGINEERS, New York, N.Y.; *Continued Support for the Translation and Publication of the Russian Journal "Applied Mathematics and Mechanics, 1960 Series"*; 1 year; \$33,000

Partial Support for the Publication of a "Bibliography on Gas Turbines 1896-1948"; 1 year; \$4,500

Translation and Publication of the 1958 Issues of the Russian Journal, "Trenie i Ienos V Mashinab" (Friction and Wear in Machinery); 1 year; \$6,300

AMERICAN STATISTICAL ASSOCIATION, Washington, D.C.; *Publication of an Analytical Index to the "Journal of the American Statistical Association, Volumes 35-50 (1940-55)"*; 1 year; \$18,000

ARCTIC INSTITUTE OF NORTH AMERICA, Washington, D.C.; *Translation and Publication of Russian Language Publications in Anthropology*; 1 year; \$38,734

ASSOCIATION FOR ASIAN STUDIES, Ann Arbor, Mich.; *A Study of Publishing and Information Services in the Social, Natural and Applied Sciences in Mainland China for the Period 1949-59*; 2 years; \$25,530

ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUS, London, England; *Comparative Efficiency of Indexing Systems*; 18 months; \$16,700

BERNICE P. BISHOP MUSEUM, Honolulu, Hawaii; *Establishment of a Pacific Science Information Center*; 1 year; \$8,500

BIOLOGICAL ABSTRACTS, UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa.; *Continued Expansion of Coverage of "Biological Abstracts"*; 1 year; \$150,000

BOISE JUNIOR COLLEGE, Boise, Idaho; *A Study of Reproductive Cycles in California Acoemidae*; 6 months; \$300

BOSTON UNIVERSITY, Boston, Mass.; *Publication of "A Study of Navaho Windway"*; 2 years; \$4,000

BUREAU OF THE CENSUS, Washington, D.C.; *Bibliography of Social Science Periodicals and Monographs Published in Selected Difficult Languages*; 1 year; \$45,000

CALIFORNIA BOTANICAL SOCIETY, SAN FRANCISCO STATE COLLEGE, San Francisco, Calif.; *"Index to Plant Chromosome Numbers"*; 2 years; \$3,150

CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena, Calif.; *Preparation of Illustrations for Volume II of "Catalogue of Galaxies and Clusters of Galaxies"*; 1 year; \$5,750

UNIVERSITY OF CALIFORNIA, Berkeley, Calif.; *Completion of the Manuscript "The Nervous System in Invertebrates"*; 20 months; \$15,000

CAMBRIDGE LANGUAGE RESEARCH UNIT, Cambridge, England; *New Logico-Mathematical Methods for the Analysis of Languages for Machine Translation*; 1 year; \$5,500

New Techniques for Classification: The Theory of Clumps; 1 year; \$14,800

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; *Compilation of a Bibliography of Statistical Computer Routines*; 1 year; \$12,700

An Operations-Research Study of the Scientific Reading Practices of Chemists and Physicists and an Analysis of Economics of Publication of Leading Chemical Journals; 3 months; \$5,000

Research on Measurement of Value of Recorded Scientific Information; 6 months; \$16,800

CHEMICAL ABSTRACTS SERVICE, THE OHIO STATE UNIVERSITY, Columbus, Ohio; *Research on Chemical Documentation—Project I*; 1 year; \$69,800

Research on the Semantic Content of Chemical Literature; 1 year; \$57,900

Study of a New Publication "Key Work in Chemical Context," KWICC; 1 year; \$150,000

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins, Colo.; *Study Leading to the Establishment of an Abstracting Service Covering Soil and Water*; 9 months; \$22,000

CORNELL UNIVERSITY, Ithaca, N.Y.; *Continued Support of the Bibliography of Extraterrestrial Radio Noise*; 16 months; \$18,500

ENGINEERS JOINT COUNCIL, New York, N.Y.; *An Investigation, Evaluation, and Report on the Current Availability of Polytechnical Dictionaries and Technical Glossaries, and an Examination of the Need for Additional Dictionaries in Engineering and Scientific Fields*; 5 months; \$175

ENTOMOLOGICAL SOCIETY OF AMERICA, College Park, Md.; *Partial Support for the Compilation of Noncurrent Volumes of the "Index to the Literature of American Economic Entomology"*; 2 years; \$26,300

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, Washington, D.C.; *Partial Support for the Office of Biological Handbooks*; 2 years; \$40,000

FORDHAM UNIVERSITY, New York, N.Y.; *Preparation of a Book on the Chemistry and Biochemistry of Lignin*; 1 year; \$4,000

FREE UNIVERSITY OF BRUSSELS, Brussels, Belgium; *Continued Support for the Physico-Chemical Constants of Binary Systems in Concentrated Solutions*; 2 years; \$15,000

GEOCHEMICAL SOCIETY, Washington, D.C.; *Publication of Geobotanical Methods for Geological Investigations*; 1 year; \$1,510

Translation of Five Russian Monographs on Earth Sciences; 1 year; \$18,500

GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; *The Biology of the Clostridia*; 6 months; \$5,925

UNIVERSITY OF GEORGIA, Athens, Ga.; *Publication of a World Monograph of the Genus Hypoxylon*; 1 year; \$5,200

HARVARD UNIVERSITY, Cambridge, Mass.; *Preparation and Publication of a "Reference Catalogue of Bright Galaxies"*; 1 year; \$8,880

Publication of "Index Nominum Lichenum Annis 1934-58 Vulgatorium"; 1 year; \$11,850

Research on Automatic Translation of Russian Into English; 1 year; \$200,000

UNIVERSITY OF ILLINOIS, Urbana, Ill.; *Publication of the Monograph "Sex and Age Ratios in North American Ducks"*; 1 year; \$4,600

INDIANA UNIVERSITY FOUNDATION, Bloomington, Ind.; *Symposium Concerning a National Program for the Systematic Evaluation, Selection, Abstracting, and/or Translation, Publication, and Dissemination of Russian and East European Linguistic Literature*; 1 year; \$6,325

INSTITUTE FOR THE ADVANCEMENT OF MEDICAL COMMUNICATION, New York, N.Y.; *Extension and Completion of a Previously Initiated Survey Entitled "Metabolism of New Scientific Information"*; 1 year; \$2,500

INSTITUTE OF MATHEMATICAL STATISTICS, Princeton, N.J.; *Preparation and Publication of an Index-Guide to Volumes 1-30 of the "Annals of Mathematical Statistics"*; 2 years; \$22,550

INSTRUMENT SOCIETY OF AMERICA, Pittsburgh, Pa.; *1959 Issues of Four Russian Journals: "Automation and Remote Control," "Measurement Techniques," "Instruments and Experimental Techniques," and "Industrial Laboratory"*; 1 year; \$112,981

IOWA STATE UNIVERSITY, Ames, Iowa; *Revision of Handbook of Freshwater Fishery Biology*; 1 year; \$12,900

IOWA STATE UNIVERSITY PRESS, Ames, Iowa; *Publication of "Flora of Missouri" by Julian A. Steyermark*; 1 year; \$15,000

JOURNAL OF CHEMICAL EDUCATION, Wooster, Ohio; *Preparation and Publication of a Ten-Year Cumulative Index*; 1 year; \$8,000

LIBRARY OF CONGRESS, Washington, D.C.; *Assembling of a Union Card Catalog of Oriental Vernacular Serials in the U.S. and Canadian Libraries*; 1 year; \$11,000

Preparation and Publication of a Guide to International Information Facilities in Science, Technology, Medicine and Agriculture; 1 year; \$27,730

Publication of Part I of a Monthly "World List of Future International Meetings"; 1 year; \$18,500

Publication of the Monthly Index of Russian Accessions and East European Accessions Index; 1 year; \$66,000

Reference Center for Reports on Government-Supported Scientific Research; 1 year; \$22,000

LINGUISTIC SOCIETY OF AMERICA, UNIVERSITY OF CALIFORNIA AT LOS ANGELES, Los Angeles, Calif.; *Partial Support of the Ninth International Congress of Linguists*; 3 months; \$25,000

LOYD LIBRARY AND MUSEUM, Cincinnati, Ohio; *Publication of Bibliography of American Paleobotany: 1952-57*; 1 year; \$500

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; *Basic Research on Methods of Translating Languages by Machine*; 1 year; \$126,000

Continued Support for the Translation and Publication of 1959 Issues of English Editions of Three Russian Journals; Radio Engineering; Radio Engineering and Electronics; and Telecommunications; 1 year; \$71,000

Study Into the Dissemination of Scientific and Technical Information in the U.S.S.R.; 2 years; \$44,217

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; *Publication of "Essays in the Science of Culture" Edited by Dole and Carneiro*; 1 year; \$4,675

UNIVERSITY OF MINNESOTA, Minneapolis, Minn.; *Partial Support for the Preparation of Annual Critical Reviews of Heat Transfer Research*; 2 years; \$8,000

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; *Office of Documentation*; 1 year; \$86,920

Publication of Biological and Ecological Study of Rats on Pacific Islands; 1 year; \$3,000

Study of Scientific Information and Communication; 1 year; \$26,134

Publication of the Journal, "International Geology Review"; 1 year; \$55,825

Support of Office of Documentation; 1 year; \$41,400

Translation of the "Doklady Geology Series—1959 Volume Year"; 1 year; \$83,130

Translation and Publication of an English Edition of the 1959 Issues of the Russian Bulletin (Izvestiya) of the Academy of Sciences of the U.S.S.R.: Geology Series; 1 year; \$49,000

NATIONAL BUREAU OF STANDARDS, Washington, D.C.; *Research Information Center and Advisory Service on Information Processing*; 1 year; \$50,000

NATIONAL DIET LIBRARY, Tokyo, Japan; *Translation and Printing of Quarterly "Index to Periodical Articles, Natural Sciences Section Into English"*; 1 year; \$16,000

NATIONAL FEDERATION OF SCIENCE ABSTRACTING AND INDEXING SERVICES, Philadelphia, Pa.; *Visit to the Soviet All-Union Institute of Scientific and Technical Information*; 1 month; \$4,880

NEW YORK BOTANICAL GARDEN, New York, N.Y.; *Pilot Study of Application of Electronic Data Processing Devices to Systematic and Economic Botany*; 4 months; \$4,750

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; *Preparation and Publication of "Bibliography of Hydrometry"*; 1 year; \$25,000

UNIVERSITY OF OKLAHOMA RESEARCH INSTITUTE, Norman, Okla.; *Preparation and Publication of "An Anthropological Bibliography of the Eastern Seaboard" Volume II*; 2 years; \$12,800

OLOF LARSELL, Portland, Oreg.; *Completion of the Manuscript of a Monograph "The Cerebellum From Mycinoids to Man"*; 1 year; \$1,500

OPERATIONS RESEARCH SOCIETY OF AMERICA, Cambridge, Mass.; *Preparation of an Annotated Bibliography on Operations Research 1958-60*; 2 years; \$53,300

OPTICAL SOCIETY OF AMERICA, Washington, D.C.; *Translate and Publish the 1960 Issues of an English Edition of the Russian Journal "Optics and Spectroscopy"*; 1 year; \$50,000

OREGON STATE COLLEGE, Corvallis, Oreg.; *Preparation for Publication of Revised Edition of "A Manual of the Higher Plants of Oregon"*; 1 year; \$3,000

ORGANIC ELECTRONIC SPECTRAL DATA, INC., Rensselaer, N.Y.; *Preparation for Publication of Organic Electronic Spectral Data 1956-57 (Volume III)*; 1 year; \$4,000

ORGANIZATION OF AMERICAN STATES, Washington, D.C.; *A Cooperative Study of the Resources, Services and Potential for Expansion of Documentation Centers of Latin America*; 2 months; \$1,362

PENNSYLVANIA STATE UNIVERSITY, University Park, Pa.; *Compilation and Publication of an Illustrated "Catalog of Fossil Spores and Pollen"*; 1 year; \$21,800

Publication of "Underwater Acoustics Handbooks"; 1 year; \$7,300

ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; *Continued Support for a Subject-Strain Bibliography and a Gene*

Bibliography of the Mouse; 2 years; \$9,200
SAINT LOUIS UNIVERSITY, Saint Louis, Mo.;
*Completion of Part IV of the "Bibliography
on the Genetics of Drosophila"*; 4 years;
\$3,750

SCIENCE SERVICE, Washington, D.C.; *Editing,
Printing, and Mailing a 16-Page Supple-
ment to the Science News Letter on Main-
land Chinese Science*; 3 months; \$4,236
SMITHSONIAN INSTITUTION, Washington,
D.C.; *Classification and Multiplicity of
Growth Layers in the Branches of Trees*;
1 year; \$4,500

*Operating Expenses of the Biosciences In-
formation Exchange*; 1 year; \$45,000

*Partial Support for the Mechanization of
the Biosciences Information Exchange*; 1
year; \$40,000

SOCIAL SCIENCE RESEARCH COUNCIL, New
York, N.Y.; *Project to Enable the Joint
Committee on Contemporary China of the
American Council of Learned Societies and
the Social Science Research Council to As-
sist U.S. Research Libraries to Obtain Those
Materials Relating to Mainland China Which
Are Currently Being Produced by the U.S.
Joint Publications Research Service*; 3
years; \$15,000

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS
Angeles, Calif.; *Preparation of Bibliography
of the Geology and Mineral Resources of
California, 1937 to 1959*; 1 year; \$11,500

SPECIAL LIBRARIES ASSOCIATION, New York,
N.Y.; *Continued Support for the Operation
of the Scientific Translation Center*; 1 year;
\$24,000

*Survey of Translation Activities in Tech-
nology*; 1 year; \$34,105

STANFORD UNIVERSITY PRESS, Stanford,
Calif.; *Preparation for Publication of a Re-
vised, English Edition of "Hydrodynamics
of Lubrication" by N. Tipet*; 1 year; \$15,400

*Translation of "Hydroaerodynamics of
Lubrication," by N. Tipet from Romanian to
English*; 1 year; \$3,625

STANFORD UNIVERSITY, Stanford, Calif.;
*Proposed Translation and Publication of Dr.
E. M. Savitsky's Book Entitled "The In-
fluence of Temperature on the Mechanical
Properties of Metals and Alloys"*; 6 months;
\$5,980

TEXAS RESEARCH FOUNDATION, Renner, Tex.;
*Publication of Part VI (the Saliaceae and
Indeeae) of Volume 3 of "Flora of Texas"*; 1
year; \$2,600

UNIVERSITY OF TOLEDO, Toledo, Ohio; *Com-
pletion of the Manuscript for a New Edition
of "The Physical Chemistry of the Sul-
fates"*; 2 years; \$11,000

U.S. DEPARTMENT OF AGRICULTURE, Wash-
ington, D.C.; *A Study of the Availability
and Utilization of Oriental Scientific Pub-
lications in the USDA Library*; 2 years;
\$25,000

U.S. DEPARTMENT OF COMMERCE, Wash-
ington, D.C.; *Dissemination of Government
Scientific Reports*; 1 year; \$55,000

*Reproduction and Distribution of Air
Information Division (AID) Abstracts*; 6
months; \$38,762

U.S. DEPARTMENT OF STATE, Washington,
D.C.; *Employment of a Polish National at
the United States Embassy in Warsaw,
Poland*; 8 months; \$460

U.S. JOINT PUBLICATIONS RESEARCH SER-
VICE, New York, N.Y.; *Translation of
"Referateny Zhurnal Biologiya"*; 1 month;
\$38,374

WASHINGTON STATE UNIVERSITY, Pullman,
Wash.; *Publication of a Monograph on the
Genus Tilletia*; 1 year; \$3,400

UNIVERSITY OF WASHINGTON, Seattle, Wash.;
*A Chinese-English Mechanical Translation
Project for Research in the Lexicographical
and Structural Problems of the Chinese Lan-
guage*; 1 year; \$53,700

WAYNE STATE UNIVERSITY, Detroit, Mich.;
*Partial Support of a Working Conference on
Mechanical Translation During July 1960,
at Princeton, New Jersey*; 4 days; \$5,000

WESTERN RESERVE UNIVERSITY, Cleveland,
Ohio; *Test Program To Evaluate Notation
Systems for Chemical Structural Formulas*;
1 year; \$5,800

*Test Program for Evaluating Procedures
for the Exploitation of Literature of Inter-
est to Metallurgists*; 1 year; \$159,200

UNIVERSITY OF WISCONSIN, Madison, Wis.;
*Translation and Foreign Scientific Center in
the Fields of Geophysics, Glaciology and
Geology (Polar Research)*; 2 years; \$42,936