

APPENDIX IV

GRADUATE FELLOWSHIP PROGRAM

Distribution of NSF Fellowships by State of Residence for the Academic Year 1953-54

<i>Region and State</i>	<i>Applica- tions received</i>	<i>Awards made</i>	<i>Region and State</i>	<i>Applica- tions received</i>	<i>Awards made</i>
NORTHEAST			NORTH CENTRAL		
Connecticut.....	87	11	Illinois.....	261	47
Maine.....	6	2	Indiana.....	92	15
Massachusetts.....	170	25	Iowa.....	47	12
New Hampshire.....	13	1	Kansas.....	44	11
New Jersey.....	144	22	Michigan.....	95	18
New York.....	619	83	Minnesota.....	57	12
Pennsylvania.....	257	35	Missouri.....	55	15
Rhode Island.....	16	3	Nebraska.....	15	5
Vermont.....	6	1	North Dakota.....	11	3
			Ohio.....	118	32
			South Dakota.....	11	2
			Wisconsin.....	77	15
SOUTH			WEST		
Alabama.....	26	1	Arizona.....	10	1
Arkansas.....	8	0	California.....	312	59
Delaware.....	9	2	Colorado.....	36	8
District of Columbia...	39	6	Idaho.....	13	2
Florida.....	36	8	Montana.....	10	3
Georgia.....	40	3	Nevada.....	3	1
Kentucky.....	23	4	New Mexico.....	15	3
Louisiana.....	19	2	Oregon.....	34	6
Maryland.....	58	10	Utah.....	26	5
Mississippi.....	11	2	Washington.....	62	10
North Carolina.....	54	7	Wyoming.....	7	2
Oklahoma.....	29	8			
South Carolina.....	10	1	POSSESSIONS		
Tennessee.....	36	6	Hawaii.....	10	2
Texas.....	86	15	Puerto Rico.....	2	0
Virginia.....	54	9	Other.....	3	0
West Virginia.....	16	1			

Distribution of NSF Fellowships by Year of Study and Field for the Academic Year 1953-1954

Field	Predoctoral			Post-doctoral	Total
	First year	Intermediate	Terminal year		
Life sciences.....	33	55	62	18	168
Chemistry.....	46	40	36	7	129
Engineering.....	27	15	20	1	63
Geology.....	10	8	7	1	26
Mathematics.....	21	16	12	7	56
Physics and astronomy.....	43	32	32	8	115
Total.....	180	166	169	42	557

Names, Residence and Field of Study of Persons Awarded National Science Foundation Fellowships for Fiscal Year 1953

ALABAMA

PRIESTLEY TOULMIN, Birmingham, Geosciences.

ARIZONA

BRADLEY D. BUCHER, Phoenix, Mathematics.

CALIFORNIA

DANA LEROY ABELL, Fresno, Zoology.

ELIHU ABRAHAMS,¹ Berkeley, Physics.

CHARLES F. ANDREWS, Pasadena, Chemistry.

DOUGLAS EINAR APPLEQUIST, Berkeley, Chemistry.

LYLE CHOLWELL BACON, Pasadena, Physics.

IVAN STANLEY BJORKLUND, Los Angeles, Engineering.

DON LOUIS BUNKER, Simi, Chemistry.

KENTON LEE CHAMBERS, Paso Robles, Botany.

ROBERT SCOTT CREELY, San Francisco, Geosciences.

RAYMOND FREDERIC DASMANN, Berkeley, Zoology.

DONALD DE FREMERY, Oakland, Biochemistry.

BERNARD ELSPAS, Palo Alto, Engineering.

MARTIN EMIL FULLER, Hawthorne, Chemistry.

DAVID GARFINKEL, Berkeley, Biochemistry.

ROY WALTER GOULD,¹ Pasadena, Physics.

DALE WALTER GRANT,¹ Gustine, Microbiology.

JOHN WILLIAM HAMPTON, Berkeley, Chemistry.

BILLY J. HARTZ, Albany, Engineering.

RICHARD H. HELM, Mountain View, Physics.

CLIFFORD ANDRAE HOPSON, Mill Valley, Geosciences.

JOHN CHARLES HUBBS, Berkeley, Physics.

LIONEL FRANCIS JAFFE,¹ Pasadena, Zoology.

THOMAS LLEWELLYN JENKINS, Berkeley, Physics.

CLIFFE DAVID JOEL, Vista, Biochemistry.

ARNOLD HERBERT KAHN, Berkeley, Physics.

ROBERT PAUL KRAFT, Albany, Astronomy.

RUSSELL SHERMAN LEHMAN, Menlo Park, Mathematics.

JAMES ARTHUR LOCKHART, Los Angeles, Botany.

JOHN WARREN LUCAS, Ontario, Engineering.

JOSEPH INGLES MACGEE, Berkeley, Microbiology.

¹ Declined.

JON MATHEWS, Hollywood, Physics.
 PAUL CECIL MARTIN, Los Angeles, Physics.
 ERNEST ALAN MEYER, Berkeley, Microbiology.
 ARTHUR MILLER, Pasadena, Chemistry.
 STANLEY LLOYD MILLER, Oakland, Chemistry.
 IRA KELLY MILLS, San Pedro, Botany.
 JAMES DAWSON MOHLER, Berkeley, Genetics.
 JAMES GREGORY MOORE, Palo Alto, Geosciences.
 LLOYD N. MORRISSETT, JR., Los Angeles, Psychology.
 BRUCE C. MURRAY, Los Angeles, Geosciences.
 ROBERT ALLEN NORRIS, Berkeley, Zoology.
 WHEELER JAMES NORTH, La Jolla, Zoology.
 DALLAS LYNN PECK, San Gabriel, Geosciences.
 PETER MARTIN RAY, Saratoga, Botany.
 ROBERT CHARLES REMPEL, Stanford, Physics.
 ELMER GLEN RICHARDS, Fontana, Biochemistry.
 WILLIAM GLENN SLY, Lakeside, Chemistry.
 FELIX TESSIERE SMITH, San Francisco, Chemistry.
 RONALD DEAN SMITH, Oakland, Chemistry.
 ERNST SNAPPER, Los Angeles, Mathematics.
 ROBERT JAMES STANTON, JR., Glendale, Geosciences.
 MORTIMER PAUL STARR,¹ Davis, Microbiology.
 ROBERT FRANCIS STEIDEL, Berkeley, Engineering.
 EDWARD ABRAHAM STERN, Los Angeles, Physics.
 RICHARD BARTLETT TAYLOR, Claremont, Geosciences.
 GEORGE HENRY TRILLING, Los Angeles, Physics.
 MILTON DENMAN VAN DYKE,¹ Los Altos, Mathematics.
 VICTOR ANTON VAN LINT, Pasadena, Physics.
 ARTHUR EDWIN WENNSTROM, Los Angeles, Engineering.

COLORADO

ERIK KAUFFMANN BONDE, Longmont, Botany.

DAVID MARION CHASE, Denver, Physics.
 WILLIAM GEORGE HOEKSTRA, Golden, Biochemistry.
 CHARLES WILLIAM LINDENMEIER,¹ Fort Collins, Physics.
 BRUCE HARRY MORGAN, Denver, Physics.
 CARL FREDERICK PRENZLOW, Englewood, Chemistry.
 JOHN LEONARD WESTLEY, Denver, Biochemistry.
 DAVID JAMES WILSON,¹ Fort Collins, Chemistry.

CONNECTICUT

WILLIAM THOMAS DOYLE, New Haven, Physics.
 DONALD LAWRENCE GILMAN, Storrs, Geosciences.
 CLARENCE LESLIE GREGORY, Greenwich, Engineering.
 WILLIAM SERMOLINO HILLMAN, Westport, Botany.
 PAUL MERLE LAFLAMME, Hartford, Biochemistry.
 JOSEPHINE OWEN MEINHART, New Haven, Biochemistry.
 HARRY DOWD PECK, Middletown, Microbiology.
 FREDERIC M. RICHARDS,¹ Wilton, Biochemistry.
 ZEVI WALTER SALSBURG,¹ Hartford, Chemistry.
 MAXINE FRANK SINGER, New Haven, Biochemistry.
 ETHEL STOLZENBERG TESSMAN, New Haven, Biophysics.

DELAWARE

KENNETH JOHN BELL, Newark, Engineering.
 RICHARD EUGENE EMMERT, Newark, Engineering.

DISTRICT OF COLUMBIA

NORMAN CASTLEMAN CRAIG, Chemistry.
 DAVID HIRSCH EZEKIEL, Microbiology.
 ROYAL BRUCE KELLOGG, Mathematics.
 FRANCIS LINCOLN LAMBERT, Zoology.
 LEON JOSEPH SCHKOLNICK, Physics.
 JEROME SPANIER, Mathematics.

¹ Declined.

FLORIDA

- ALEXANDER TROY COLE, De Land, Geosciences.
 PAUL S. HUBBARD, Jr., St. Petersburg, Physics.
 HARRY WILLIAM JOHNSON, Jr., WAVERLY, Chemistry.
 DEAN FRANCIS KELLEY, Tallahassee, Chemistry.
 EARL WELLS MCKISSON, Gainesville, Chemistry.
 JACOB SHAPIRA, Tallahassee, Biochemistry.
 WILLIS WOODBURY TYRRELL, Pensacola, Geosciences.
 THOMAS HAMIL WOOD,¹ Tallahassee, Biophysics.

GEORGIA

- ARTHUR WILLIAM FORT, Americus, Chemistry.
 JOHN ELDON PIPPIN, Atlanta, Engineering.
 HUGH GETTYS ROBINSON, Atlanta, Physics.

IDAHO

- MALCOLM THOMAS JOLLIE, Moscow, Zoology.
 LAVERNE EUGENE RUBY, Caldwell, Mathematics.

ILLINOIS

- JAMES STUART AAGAARD, Chicago, Engineering.
 FRANK LLUBERAS ALLEN, Chicago, Biophysics.
 GEORGE EDWARD BACKUS, Chicago, Physics.
 ROBERT ELI BARON, Chicago, Physics.
 HUGH NEEDHAM BROWN, Urbana, Physics.
 BERNARD CENTURY, Chicago, Medical Sciences.
 LORENCE GENE COLLINS, Champaign, Geosciences.
 WILLIAM EDWARD COOLEY, Champaign, Chemistry.
 RICHARD EARL DICKERSON, Charleston, Chemistry.
 DOUGLAS AMBROSE EGGEN, Chicago, Biophysics.
 JEREMIAH PATRIC FREEMAN,¹ Urbana, Chemistry.

- DONALD SHEPARD GAGE, Palatin, Engineering.
 ROBERT BRUCE GARLAND, Elgin, Chemistry.
 DAVID MELVILLE GELLER, Oak Park, Biochemistry.
 RICHARD WILLIAM GLADE, Champaign, Zoology.
 NATHANIEL ROY GOODMAN, Chicago, Mathematics.
 JACQUE EDGAR HANLON, Chicago, Physics.
 DANIEL D. HENDLEY, Chicago, Biochemistry.
 DALE RICHARD HOFF, Galesburg, Chemistry.
 WILLIAM THOMAS KABISCH, Chicago, Medical Sciences.
 MALVIN HOWARD KALOS,¹ Urbana, Physics.
 CARL WILLIAM KAMMEYER, Washington, Chemistry.
 WILLIAM E. M. LANDS, Urbana, Biochemistry.
 WILLIAM LEWIS LICHTEN, Chicago, Physics.
 ANDREW DAVID LIEHR, Chicago, Physics.
 ROBERT LEE METZENBERG, JR., Highland Park, Biochemistry.
 ROBERT EUGENE MEYER, Bellewood, Chemistry.
 ROBERT HARBISON MOUNTJOY, Chicago, Mathematics.
 JOHN LUDWIG MUERLE,¹ Springfield, Engineering.
 JOSEPH EDWARD NELSON, Chicago, Mathematics.
 CLIFFORD SHELDON PATLAK, Chicago, Zoology.
 RICHARD EUGENE PRIEST, Urbana, Mathematics.
 ALFRED GUILLOU REDFIELD, Urbana, Physics.
 ARTHUR HINTON ROSENFELD, Chicago, Physics.
 WILLARD NELS ROSINE, Galesburg, Zoology.
 THEODORE DAVID SCHULTZ, Glencoe, Physics.
 DONALD ARTHUR SPEER, Morton Grove, Chemistry.
 EDWARD OTTO STEJSKAL, Berwyn, Chemistry.
 GENE STRULL, Chicago, Engineering.

¹ Declined.

WILLIAM JUNKICHI TAKEI, Chicago, Chemistry.

ROBERT E. TAYLOR, Chicago, Medical Sciences.

RICHARD SANBORN THOMAS, Champaign, Biophysics.

ROBERT BENJAMIN URETZ, Chicago, Biophysics.

ROBERT ALLAN SWANSON, Chicago, Physics.

WILLIAM GEORGE VAN DER KLOOT,¹ Chicago, Medical Sciences.

JOHN PATTESON WEHRENBURG, West Springfield, Geosciences.

JAMES WILLIAM WILT, Chicago, Chemistry.

INDIANA

WILLIAM WALLACE CLELAND, Bloomington, Biochemistry.

ROBERT LOUIS CONNER, Marion, Biochemistry.

ROGER ESTLICK GERKIN, South Bend, Chemistry.

THEODORE MORGAN HALLMAN, West Lafayette, Engineering.

EARL DORCHESTER HANSON, Bloomington, Genetics.

JOSEPH DAVID HARRIS, West Lafayette, Biophysics.

JOHN BURNETT HEMWALL, West Lafayette, Agriculture.

RICHARD ROWLS HIATT, Indianapolis, Chemistry.

DONALD JOSEPH MASON, Kokomo, Microbiology.

THOMAS ROBERT MERTENS, St. Joe, Genetics.

ROBERT RAMSAY SEANEY, Fort Wayne, Agriculture.

MICHAEL EDWARD SENKO, Crown Point, Chemistry.

JAMES RICHARD TROYER, Elkhart, Botany.

STEPHEN A. WAINWRIGHT,¹ Indianapolis, Zoology.

EDWARD OSBORNE WILSON,¹ Jeffersonville, Zoology.

IOWA

JOHN CRAVEN BELSHE,¹ Emmetsburg, Geosciences.

JOHN BERNARD CARLSON, Ames,¹ Botany.

MARVIN EMERSON EBEL, Waterloo, Physics.

GORDON GRANT, Cedar Falls, Astronomy.

JOSEPH BRUCE GRIFFING,¹ Ames, Genetics.

ROGER WAYNE HANSON, Rake, Zoology.

THERESE MARIE KELLEHER, Des Moines, Botany.

JUDSON ULERY MCGUIRE, Ames, Zoology.

WILLARD DALE ROTH, Waterloo, Zoology.

TRAVIS EDWARD STEVENS, Ames, Chemistry.

GEORGE ROWLAND WHITE, Ames, Physics.

HUGH DAVID YOUNG, Osage, Physics.

KANSAS

SYDNEY ANDERSON, Lawrence, Zoology.

NORMAN PAUL BAUMANN, Sylvan Grove, Physics.

JIM ENOCH DALE, Osawatomie, Agriculture.

VIRGINIA ROGERS FERRIS, Abilene, Botany.

CHARLES CULLEN GRIMES, Chanute, Physics.

EDWIN DALE HORNBAKER, Louisburg, Chemistry.

JOHN LEROY KELLEY, Lawrence, Mathematics.

ARTHUR HERMAN KRUSE, Wichita, Mathematics.

KENNETH ROBERT LUCAS, Lawrence, Mathematics.

DAVID WARREN MCCALL, Wichita, Chemistry.

FRANCIS WARE PROSSER, Lawrence, Physics.

KENTUCKY

WILLIAM WALLACE HUNT, JR., Franklin, Chemistry.

JOEL WILLIAM MCCLURE, JR., Lexington, Physics.

JAMES MERRILL MARTIN, Lamasco, Physics.

THOMAS WILSON MULLIKIN, Georgetown, Mathematics.

LOUISIANA

ALAN HERBERT CHEETHAM, Shreveport, Geosciences.

PIERRE EUCLIDE J. CONNER, Lafayette, Mathematics.

MAINE

DAVID CHARLES MAUZERALL, Sanford, Chemistry.

DAVID BENJAMIN STEWART, East Sumner, Geosciences.

¹ Declined.

MARYLAND

- ROBERT HARRY GILPIN, Cumberland, Microbiology.
 JUDSON HARDY, JR., Silver Spring, Physics.
 RICHARD LAMOND IRWIN, Baltimore, Chemistry.
 ROLF WERNER JUHLE,¹ Ironsides, Geosciences.
 WILLIAM JOHN LEVEDAHL, Kensington, Engineering.
 FREDERICK WIESNER LIPPS, JR., Baltimore, Physics.
 THEODORE FRANK MARIANI, Cottage City, Engineering.
 SIDNEY RANKIN, Baltimore, Engineering.
 L. EDWARD SCRIVEN, Elkton, Engineering.
 PETER FALLON STEHLE, Baltimore, Chemistry.

MASSACHUSETTS

- JOLANE PRUDENCE BAUMGARTEN, Cambridge, Medical Sciences.
 EDITH CONSTANCE CLARKE, Concord, Biochemistry.
 ELMON LEE COE, Boston, Biochemistry.
 LLOYD ARTHUR CURRIE, Somerville, Chemistry.
 BRUCE SIGMUND FISHER, Cambridge, Chemistry.
 RICHARD M. FRANKLIN, Dorchester, Biophysics.
 RALPH CLIVE GREENOUGH, Medford, Chemistry.
 WILLIAM BRUCE HAWKINS, JR., Springfield, Physics.
 JACK HILIBRAND, Cambridge, Engineering.
 LLOYD GEORGE HYMAN, Boston, Physics.
 MARTIN KARPLUS, West Newton, Chemistry.
 JOSHUA KURLAND KOPP, Dorchester, Physics.
 ELLIOTT HERSHEL LIEB, Brighton, Physics.
 CAROLINE STUART LITTLEJOHN, Cambridge, Physics.
 DONALD MORE MAYNARD, JR.,¹ West Newton, Zoology.
 JOHN COLEMAN MOORE, Belmont, Mathematics.
 RICHARD SHELDON PALAIS, Brookline, Mathematics.

- JOHN WINSOR PRATT, Concord, Mathematics.
 CARL ARTHUR PRICE, Cambridge, Biochemistry.
 PHILLIPS WESLEY ROBBINS, Leominster, Biochemistry.
 ROBERT HORTON ROMER, Cambridge, Physics.
 ROBERT DAVID STOLOW, Brookline, Chemistry.
 PETER PAUL VAUGHN, Cambridge, Zoology.
 PETER HANS VON HIPPEL, Weston, Biophysics.
 ROBERT CULBERTSON WEST, Boston, Chemistry.

MICHIGAN

- EDWIN HALL BATTLE, Port Huron, Microbiology.
 JAMES LEE BURKHARDT, Birmingham, Physics.
 I. THOMAS CUNDIFF, JR., Kalamazoo, Mathematics.
 HOWARD MELVIN DESS, Ann Arbor, Chemistry.
 GEORGE WILLARD FORD, Troy, Physics.
 JOHN MITCHELL GARY, Kalamazoo, Mathematics.
 ROBERT HOWARD GOOD, Ann Arbor, Physics.
 RICHARD LOUIS HAUKE, Detroit, Botany.
 ROBERT RICHARDS LEWIS, JR., Ann Arbor, Physics.
 DAVID MILLARD LOCKE, Escanaba, Chemistry.
 CHARLES BRIAN MAGEE, Detroit, Chemistry.
 KNUT JONSON NORSTOG, Willow Run, Botany.
 HERBERT BOWEN PAHL, Ann Arbor, Biochemistry.
 RICHARD HOUGHTON PRATT, Mount Pleasant, Physics.
 ETHEL MARGARET AUGHEY REID, Royal Oak, Chemistry.
 WILLIAM DAVID SLAWSON, Grand Rapids, Physics.
 JOSEPH CHARLES STEVENS, Grand Rapids, Psychology.
 GEORGE ALEXANDER VIDAVER, Detroit, Biochemistry.

¹Declined.

MINNESOTA

- WILLIAM THOMAS BATTIN, Minneapolis, Zoology.
 JOHN AMERPOHL DAVISON, Minneapolis, Zoology.
 DUANE GORDON ERICKSON, Minneapolis, Zoology.
 WILLIAM CLARENCE ERICKSON, Duluth, Physics.
 JOHN ROBERT HOLUM, Minneapolis, Chemistry.
 NAHMIN HORWITZ, Minneapolis, Physics.
 KIRK WARREN McVOY, Minneapolis, Physics.
 PAUL CHADWICK ROYCE, Brainerd, Medical Sciences.
 EVALYN F. SEGAL, Minneapolis, Psychology.
 RICHARD MYRON STRAW, St. Paul, Zoology.
 WARREN FREYSCHLAG WADE, Minneapolis, Engineering.
 RICHARD ANTHONY ZEMLIN, Minneapolis, Mathematics.

MISSISSIPPI

- JESSE LANE FLETCHER, State College, Agriculture.
 EDWARD EVERETT GRACE, Corinth, Mathematics.

MISSOURI

- STERLING GAYLEN BRADLEY, Springfield, Microbiology.
 HERBERT CONRAD DE STAEBLER, Kirkwood, Physics.
 LISE GRUEN, Kansas City, Chemistry.
 WILLIAM TERRIL HIGDON, Independence, Agriculture.
 EDWIN RAY HILLER, Jr., Glendale, Engineering.
 RICHARD THOMAS KELLER, St. Joseph, Chemistry.
 LEONARD SOL KISSLINGER, St. Louis, Physics.
 LESTER HERMAN KRONE, Jr., Jennings, Engineering.
 THEODORE ALFRED LONG, Seneca, Agriculture.
 KENNETH LLOYD RINEHART, Chillicothe, Chemistry.

- WILLIAM ARTHUR STEELE, St. Louis, Chemistry.
 GEORGE HUBERT STOUT, St. Louis, Chemistry.
 JOHN McCONKLE TEEM, Springfield, Physics.
 LOUIS JOSEPH TICHACEK, St. Louis, Engineering.
 EDGAR WILLIAM WARNHOFF,¹ St. Louis, Chemistry.

MONTANA

- EDWIN HAROLD EYLAR, Butte, Biochemistry.
 LORIS DONALD HAMLIN, Hardin, Microbiology.
 JOHN CLANCEY POWERS, Jr., Billings, Chemistry.

NEBRASKA

- JOAN FINKLE DE PENA, Lincoln, Anthropology.
 RICHARD CHARLES DOVE, Fairbury, Engineering.
 RALPH WOLFGANG KILB, Lincoln, Chemistry.
 DAVID CARTER MCGARVEY, Omaha, Physics.
 JAMES RAYMOND MUNKRES, Broadwater, Mathematics.

NEVADA

- JOSEPH WILLIAM WEIHE, Reno, Mathematics.

NEW HAMPSHIRE

- WALTER JOSEPH BERNARD, Manchester, Chemistry.

NEW JERSEY

- LAURENCE C. BONAR, Morris Plains, Biochemistry.
 RONALD C. BRESLOW, Rahway, Chemistry.
 RICHARD M. CHRENKO, Stirling, Physics.
 ROBERT LEE CHRISTENSEN, Summit, Physics.
 THOMAS N. K. GODFREY, Princeton, Physics.
 JOHN THOMAS HARDING, Jr., Trenton, Physics.
 STANDISH CHARD HARTMAN, Flemington, Biochemistry.
 FRED PETER HAUCK, Bloomfield, Chemistry.

¹ Declined

BENTZ BUELL HOWARD, Jr., Plainfield, Chemistry.
 SOL KRONGELB, Jersey City, Physics.
 JOHN WILLIAMS LAMPERTI, Upper Montclair, Physics.
 DAVID NELSON LIMBER, Morris Plains, Astronomy.
 DAN LESLIE LINDSLEY, Princeton, Genetics.
 ROBERT MARC MAZO, Camden, Chemistry.
 JOSHUA ELIHU NEIMARK, Elberon, Engineering.
 KENNETH WILLIAM POWERS,¹ Ridgewood, Engineering.
 BURTON RICHTER, Paterson, Physics.
 JOHN VAN ALSTYNE SHARP, Leonia, Geology.
 JOHN ALAN STROTHER, Princeton, Engineering.
 LAWRENCE WILETS, Princeton, Physics.
 PETER JOSEPH WOJTOWICZ, Linden, Chemistry.
 WILLIAM GARFIELD ZOELLNER, East Orange, Chemistry.

NEW MEXICO

CALVIN WAYNE MOON, Los Alamos, Engineering.
 JAMES CHARLES PHILLIPS, Albuquerque, Physics.
 CHARLES BRYAN REYNOLDS, Albuquerque, Geosciences.

NEW YORK

EDWARD LAWRENCE AIELLO, Woodside, Zoology.
 HUDSON ROBBINS ANSLEY, Salamanca, Zoology.
 MICHAEL KLAUS BACH, Flushing, Biochemistry.
 LEONARD ESAU BAUM, Brooklyn, Mathematics.
 ARNOLD MIXON BENSON, New York, Engineering.
 PAUL WALTER BERG,¹ New York, Mathematics.
 SAMUEL DAVID BERKOWITZ, New York, Mathematics.
 ALAN FREDRIC BERNDT, New York, Chemistry.
 SEYMOUR MICHAEL BLINDER, New York, Chemistry.

WILLIAM PATRICK CAIN, New York, Chemistry.
 GARRETT CONDE CLOUGH, Newburgh, Zoology.
 RANE LOCKE CURL, Staten Island, Engineering.
 MORRIS A. CYNKIN, Brooklyn, Microbiology.
 ROBERT ARNOLD DARROW, Solvay, Biochemistry.
 JOHN WILLIAM DEAN, Jr., Kew Gardens, Chemistry.
 RICHARD J. DRACHMAN, Brooklyn, Physics.
 VERA RADA DEMEREC DYSON-HUDSON, Coldspring Harbor, Zoology.
 GEORGE EDWARD ERICKSEN, New York, Geosciences.
 GERALD FEINBERG, New York, Physics.
 GARY FELSENFELD, New York, Chemistry.
 MARSHALL LEONARD FREIMER, Brooklyn, Mathematics.
 AARON JUDAH FRIEDLAND, New York, Engineering.
 BERNARD FRIEDLAND, Brooklyn, Engineering.
 GERTRUDE ELIZABETH GARBERS, New York, Microbiology.
 DONALD ALLEN GEFFEN, Brooklyn, Physics.
 JAMES MONROE GERE, Syracuse, Engineering.
 WALTER GILBERT, New York, Physics.
 ALAN JOSEPH GOLDMAN, Brooklyn, Mathematics.
 PAUL GREENGARD, Forest Hills, Medical Sciences.
 ALVIN HAUSNER, Brooklyn, Mathematics.
 DAVID HERTZIG, Brooklyn, Mathematics.
 LEONARD ARTHUR HERZENBERG, Brooklyn, Biochemistry.
 RICHARD ALLAN HOLROYD, Jamestown, Chemistry.
 PAUL HOROWICZ, New York, Biophysics.
 JACK HOROWITZ, New York, Biochemistry.
 ALLEN ISAACSON, Brooklyn, Biophysics.
 JAMES J. KEAVNEY, Brooklyn, Chemistry.
 ROGER GORDON KETCHAM, New Hartford, Chemistry.
 JOSEPH JOHN KOHN, New York, Mathematics.
 BERTRAM KOSTANT, Brooklyn, Mathematics.

¹ Declined.

ALVIN ISAAC KRASNA, Brooklyn, Biochemistry.

PAUL HARRIMAN KYDD, Brooklyn, Chemistry.

HENRY JACOB LANDAU, New York, Mathematics.

LEON FRED LANDOVITZ, Brooklyn, Physics.

NORMAN LAZAROFF, Brooklyn, Microbiology.

RICHARD CHARLES LEWONTIN, Flushing, Genetics.

YALE JAY LUBKIN, Brooklyn, Engineering.

DAVID BLODGETT LUDLUM, Rockville Center, Chemistry.

ARTHUR PAUL MATTUCK, Brooklyn, Mathematics.

RONALD MAX MAYRBAURL, Brooklyn, Engineering.

ELLIOTT MENDELSON, Brooklyn, Mathematics.

HENRI EMMANUEL MITLER, New York, Physics.

MARK SAMUEL NELKIN, Ithaca, Physics.

MARTHA MOUNT NICELY, Mt. Kisco, Zoology.

JOHN MELVIN OLSON, Niagara Falls, Biophysics.

JOHN FRANCIS PARDO, New York, Engineering.

EDWARD CHARLES POSNER, Brooklyn, Mathematics.

KENNETH SIDNEY RAWSON, Ithaca, Zoology.

FRANK ALBERT RAYMOND, Syracuse, Mathematics.

GERHARD RAYNA, New York, Mathematics.

ALEXANDER H. REISNER, New Rochelle, Genetics.

WALTER GEORGE ROSEN, Forest Hills, Botany.

MARY MARGARET SCHREINER, Brooklyn, Microbiology.

JACK SCHWARTZ, New York, Physics.

MELVIN SCHWARTZ, New York, Physics.

RICHARD ALAN SCHWARZ, Jamaica, Engineering.

SILVAN SAMUEL SCHWEBER, Brooklyn, Physics.

GEORGE BENHAM SELIGMAN, Attica, Mathematics.

ANDREW MARIEHOFF SESSLER, Jamaica, Physics.

ELLIAS M. STEIN, New York, Mathematics.

ROBERT CARRINGTON STEIN, New Hyde Park, Zoology.

WILLIAM ALLAN STEWARD, Eggertsville, Engineering.

GEORGE WALTER SUTTON, Brooklyn, Engineering.

JOHN JOSEPH TAYLOR, Levittown, Medical Sciences.

PHILIP TEITELBAUM, Brooklyn, Psychology.

URSULA VIVIAN VICTOR, Pleasantville, Biochemistry.

LILLIAN K. WAINWRIGHT, Brooklyn, Genetics.

EDEL WASSERMAN, Brooklyn, Chemistry.

ROGER WEINBERG, New York, Genetics.

WILLIAM NORTH WHITE,¹ Walton, Chemistry.

GROSVENOR SEARLES WICH, Herkimer, Chemistry.

MICHAEL B. YARMOLINSKY, New York, Biochemistry.

ARIEL CHARLES ZEMACH, New York, Physics.

NORTH CAROLINA

FREDERICK PHILLIPS BROOKS, Jr., Greenville, Physics.

WESLEY OSBORNE DOGGETT, Brown Summit, Engineering.

FRANCIS CLARK HOWELL,¹ Asheville, Anthropology.

PETER MICHAEL LANG, Greensboro, Engineering.

JACKSON RAMSAUR MAUNEY, Jr., Kings Mountain, Botany.

CHARLES ELLIS, WINSLOW, Jr., Raleigh, Engineering.

WILLIAM VAUGHN WRIGHT, Wilson, Engineering.

NORTH DAKOTA

WALLACE EDMOND LABERGE, Grafton, Zoology.

ROBERT DEAN LUNDBERG, Valley City, Chemistry.

PAUL EMERY THOMAS, Fargo, Mathematics.

OHIO

NORMAN ANDREW BATES, Cleveland, Chemistry.

¹ Declined.

- GEORGE EDWARD BRIGGS, Jr., Briggsdale, Psychology.
 RICHARD LOUIS DEININGER, Dayton, Psychology.
 MARSHALL PAUL ERNSTENE, Cleveland, Physics.
 DOYLE OWEN ETTER, Columbus, Engineering.
 ALVIN ELI FEIN, Cleveland Heights, Physics.
 PAT W. K. FLANAGAN, Dayton, Chemistry.
 ROGER HAROLD GEESLIN, Cincinnati, Mathematics.
 JOHN EDWARD GORDON, Columbus, Chemistry.
 CASIMER THADDEUS GRABOWSKI, Cleveland, Zoology.
 ROBERT CARL GRIFFIS, Euclid, Chemistry.
 WAYNE BASSETT HADLEY, Farmdale, Chemistry.
 WALTER ASHLEY HARRISON, Toledo, Physics.
 KARL GORDON HENIZE, Cincinnati, Astronomy.
 EDWARD ORSON HILL, Cincinnati, Microbiology.
 FRED DONALD HOERGER, Wadsworth, Chemistry.
 HERBERT OTIS HOUSE,¹ Willoughby, Chemistry.
 WILLIAM HENRY KASNER, Killbuck, Physics.
 DAVID RONALD KRIEG, Lorain, Biophysics.
 DANIEL LEDNICER, Columbus, Chemistry.
 MARTIN SHELLING LONGMIRE, Glendale, Physics.
 STEWART HENRY MERRILL, Andover, Chemistry.
 JAMES THOMAS MORSE, Mentor, Mathematics.
 GEORGE RAYMOND MURRAY, Jr. Dayton, Chemistry.
 ROBERT KENYON NESBET, Lakewood, Chemistry.
 RICHARD EDWIN PRANGE, Berea, Physics.
 KENNETH HARVEY SAUER, East Cleveland, Chemistry.
 ROBERT SUNDAL SCHUTZ, Columbus, Chemistry.
 ROBERT LLEWELLYN STOFFER, Columbus, Chemistry.
 ANDREW ALBERT WEAVER, Wooster, Zoology.
- ROBERT BRUCE WEISER, Columbus, Engineering.
 EDWARD ZAJAC, Cleveland, Engineering.
- OKLAHOMA
- LESLIE CATRON CASE, Tulsa, Engineering.
 ROBERT JACOB DUNHAM, Perry, Geosciences.
 JACK HOUSTON ESSLINGER, Oklahoma City, Medical Sciences.
 EDWARD AMBROSE FLINN, Tulsa, Geosciences.
 JOSPEH POYER DEYO HULL, Jr., Tulsa, Geosciences.
 HAROLD JOSEPH KIDD, Red Rock, Botany.
 PAUL BAKER McCAY, Muskogee, Medical Sciences.
 JOHN DAVID SORRELS, Poteau, Physics.
- OREGON
- RICHARD LEROY BAIRD, Portland, Chemistry.
 BERTRAM GALE DICK, Portland Physics.
 MARGERY PEARL GRAY, Eugene, Anthropology.
 CHARLES POLING LUEHR, Corvallis, Chemistry.
 ROY NORMAN PEACOCK, Springfield, Physics.
 RICHARD CLARENCE THOMAS, Corvallis, Chemistry.
- PENNSYLVANIA
- IGOR ALEXEFF, Pittsburgh, Physics.
 WALTER LEWIS BAILY, Jr., Waynesburg, Mathematics.
 PAUL BOOTH BARTON, Jr., Pittsburgh, Geosciences.
 ROBERT HAMILTON BOYER,¹ Johnstown, Physics.
 MARK MUNROE CHAMBERLAIN, Pittsburgh, Chemistry.
 VICTOR HUGO COHN, Reading, Medical Sciences.
 DONALD JOHN DENNEY, Glenolden, Chemistry.
 RAYMOND EDWIN DESSY, Blawnox, Chemistry.
 JACOB FELDMAN, Philadelphia, Mathematics.

¹ Declined.

NATHAN JACOB FINE, Philadelphia, Mathematics.

H. NEWTON GARBER, Philadelphia, Engineering.

PAUL RANDOLPH GROSS, Philadelphia, Zoology.

GENEVA EITEL GROSZ, Philadelphia, Mathematics.

JOHN RUSSELL HUGHES, Brookville, Psychology.

NEIL RAYMOND JOHNSON, McKeesport, Engineering.

ROBERT JOHN LAVFER, Pittsburgh, Chemistry.

THEODOR ARTHUR LISS, Temple, Chemistry.

JAMES PAUL MCHUGH, Pittsburgh, Chemistry.

JOHN EDWARD MEYER,¹ Pittsburgh, Engineering.

ROBERT KENNETH MILLER, Harrisburg, Chemistry.

CHARLES WILLIAM MISNER, Pittsburgh, Physics.

FREDERICK CARL NEIDHARDT, Penns Park, Medical Sciences.

JOHN STANLEY NODVIK, Canonsburg, Physics.

ARTHUR S. OBERMAYER, Philadelphia, Chemistry.

CHARLES ARTHUR PLANTZ, Pittsburgh, Chemistry.

JAMES RUSSELL POWELL, Bradford Woods, Engineering.

HERBERT SCARF, Philadelphia, Mathematics.

LLOYD ROBERT SCHISSLER, Alburtis, Engineering.

FRANK VANLOON SHALLCROSS, Philadelphia, Chemistry.

LAWRENCE CLEMENT SNYDER, Uniontown, Chemistry.

RAYMOND ANDREW SORENSON, Pittsburgh, Physics.

JOAN RUTH SPECTOR, Philadelphia, Chemistry.

PAUL HERMAN SQUIRES, Ambridge, Engineering.

WERNER B. TEUTSCH, Philadelphia, Physics.

JOHN WILLIAM WOLL, JR., Newton, Mathematics.

RHODE ISLAND

PAUL ROBERT CHAGNON, Woonsocket, Physics.

LINCOLN EKSTROM, Providence, Chemistry.

ROBERT HERMANN, Kingston, Mathematics.

SOUTH CAROLINA

FORREST EUGENE COOKSON, JR., Clemson, Physics.

SOUTH DAKOTA

EDMUND GUENTHNER, Bridgewater, Agriculture.

MELVIN HUGO RICE, Sisseton, Physics.

TENNESSEE

WILLIAM PERRY FLATT, Newbern, Agriculture.

WENDELL GENE HOLLADAY, Huntingdon, Physics.

CLARENCE LINDENMEYER, Oak Ridge, Geosciences.

JAMES CULLEN MARTIN, Dover, Chemistry.

ROBERT GUY PARRISH,¹ Franklin, Chemistry.

THOMAS JEFFERSON WALKER, Dyersburg, Zoology.

TEXAS

CALVIN LARUE BARKER, Austin, Engineering.

RUE LINN BELFORD, La Porte, Chemistry.

PAUL LEIGHTON DONOHO, Houston, Physics.

MARTIN DWORKIN, Austin, Microbiology.

DANIEL O'CONNELL ETTER, Fort Worth, Mathematics.

JAMES FRANKLIN GIBBONS, Texarkana, Engineering.

FREDERICK H. KASTEN, Austin, Genetics.

LEON KRAINTZ, Houston, Medical Sciences.

LLOYD STANTON LOCKINGEN, Houston, Biophysics.

ELLINGTON MCFALL MAGEE, Austin, Chemistry.

JOHN SAMUEL MATHIS, Dallas, Physics.

JOHN STEPHEN MECHAM, Austin, Zoology.

ULRICH MERTEN, Houston, Chemistry.

GRADY LINDER WEBSTER, JR., Cedar Valley, Botany.

¹ Declined.

JAMES CAMMACK WILHOIT, JR.,¹ Houston, Engineering.

UTAH

DAVID RALPH BENNION, Salt Lake City, Engineering.

JERALD NELSON CHRISTIANSEN, Logan, Engineering.

DON WYNN ESPLIN, Cedar City, Medical Sciences.

CHARLES EDWARD JACOB,¹ Salt Lake City, Geosciences.

RICHARD LEWIS SNOW, Salt Lake City, Chemistry.

VERMONT

ROBERT CUMMINGS WOODWORTH, Bennington, Chemistry.

VIRGINIA

RICHARD LAWSON BERNARD, Williamsburg, Agriculture.

HENRY GABRIEL BLOSSER, Harrisonburg, Physics.

KENT COMBS BRANNOCK, Independence, Chemistry.

JOSEPH CALLAWAY, Alexandria, Physics.

ROBERT ERNEST CUNNINGHAM, Charlottesville, Chemistry.

HUGH EVERETT, III, Alexandria, Physics.

JAMES THOMAS KOFRON, JR., Petersburg, Chemistry.

HARRIS EDWARD PETREE, Arlington, Chemistry.

HOWARD ENSIGN SIMMONS, Norfolk, Chemistry.

WASHINGTON

CHARLES BALLANTINE, Seattle, Mathematics.

JEAN JULIAN COMITA,¹ Seattle, Zoology.

GLENN ARTHUR CROSBY, Seattle, Chemistry.

PHILIP ALEXANDER CRUICKSHANK, Blaine, Chemistry.

JACK WAYNE CULVAHOUSE, Richland, Physics.

RICHARD WAYNE EPPLEY, Spokane, Botany.

PAUL AMOS JOHNSON, Seattle, Engineering.

WILBUR VANCE JOHNSON, Seattle, Chemistry.

WINSTON GLENN WALKER,¹ Seattle, Engineering.

SEFTON ROBERT WELLINGS, Poulsbo, Zoology.

WEST VIRGINIA

RICHARD LOUIS TALLMAN, Wheeling, Chemistry.

WISCONSIN

ROBERT JAMES BLATTNER,¹ Milwaukee, Mathematics.

JAMES WILLIAM BRAULT, New London, Physics.

PHILLIP HERBERT GEIL, Milwaukee, Physics.

ARTHUR HALTNER, JR., Milwaukee, Chemistry.

BARBARA JEAN HAMILTON, Manitowoc, Botany.

ALAN EDWIN JOHNSRUD, Manitowoc, Physics.

PEGGY JEAN KOSSOW, Sturgeon Bay, Mathematics.

CHARLES CORBETT LAING, Milwaukee, Botany.

WAYNE EDWARD MAGEE, Madison, Biochemistry.

MELVIN LAURANCE MORSE, Madison, Genetics.

LEONARD EARL MORTENSON, Madison, Microbiology.

DONALD FRANCIS ROOT, Madison, Engineering.

PAUL WOODWARD SCHMIDT, Madison, Physics.

MICHAEL TINKHAM, Ripon, Physics.

DONALD B. WETLAUFER, Madison, Biochemistry.

WYOMING

JAMES EDWIN BANKS, Cheyenne, Chemistry.

JOHN MAURICE BIRMINGHAM, Hyattville, Chemistry.

TERRITORY OF HAWAII

ALFRED S. HU, Honolulu, Zoology.

WILLIAM CHARLES PETERSON, Honolulu, Engineering.

¹ Declined.

INSTITUTIONS ATTENDED BY NATIONAL SCIENCE FOUNDATION FELLOWS AS UNDERGRADUATES AND GRADUATE STUDENTS

<i>Institution and location</i>	<i>Number of fellows attending</i>		<i>Institution and location</i>	<i>Number of fellows attending</i>	
	<i>As under-graduates</i>	<i>As graduate students</i>		<i>As under-graduates</i>	<i>As graduate students</i>
Abraham Baldwin Agricultural College, Tifton, Ga.	1		Carnegie Institution of Washington, Department of Genetics, Cold Spring Harbor, N. Y.		1
Amherst College, Amherst, Mass.	6		Carthage College, Carthage, Ill.	1	
Antioch College, Yellow Springs, Ohio	4		Case Institute of Technology, Cleveland, Ohio.	5	
Arlington State College, Arlington, Tex.	1		Catholic University, Washington, D. C.	1	1
Ashland College, Ashland, Ohio	1		Central College, Fayette, Mo.	1	
Augustana College, Rock Island, Ill.	2		Chaffey Junior College, Ontario, Calif.	2	
Baker University, Baldwin City, Kans.	1		Chariton Junior College, Chariton, Iowa.	1	
Baldwin-Wallace College, Berea, Ohio	1		City College of San Francisco, San Francisco, Calif.	1	
Ball State Teachers College, Muncie, Ind.	1		Claremont Graduate School, Claremont, Calif.		1
Bethany College, Bethany, W. Va.	1		College of the City of New York, New York, N. Y.	15	
Bethel College, McKenzie, Tenn.	1		College of Idaho, Caldwell, Idaho	1	
Boise Junior College, Boise, Idaho	1		College of the Pacific, Stockton, Calif.	1	
Bowdoin College, Brunswick, Maine	1		College of William and Mary, Williamsburg, Va.	1	
Brooklyn College, Brooklyn, N. Y.	7		College of Wooster, Wooster, Ohio.	5	
Brooklyn Polytechnic Institute, Brooklyn, N. Y.	2		Clemson Agricultural College, Clemson, S. C.	1	
Brown University, Providence, R. I.	4	3	Colby College, Waterville, Maine.	1	
Bryn Mawr College, Bryn Mawr, Pa.	2		Colorado State College of Education, Greeley, Colo.	1	
California Institute of Technology, Pasadena, Calif.	12	32	Colorado A and M, Fort Collins, Colo.	2	
Calvin College, Grand Rapids, Mich.	1		Columbia University, New York, N. Y.	13	28
Cambridge University, Cambridge, England.		4	Cooper Union, School of Engineering New York, N. Y.	2	
Capital University, Columbus, Ohio	1		Cornell University, Ithaca, N. Y.	9	19
Carleton College, Northfield, Minn.	4				
Carnegie Institute of Technology, Pittsburgh, Pa.	10	8			

INSTITUTIONS ATTENDED BY NATIONAL SCIENCE FOUNDATION FELLOWS AS UNDERGRADUATES AND GRADUATE STUDENTS—Continued

<i>Institution and location</i>	<i>Number of fellows attending</i>		<i>Institution and location</i>	<i>Number of fellows attending</i>	
	<i>As under-graduates</i>	<i>As graduate students</i>		<i>As under-graduates</i>	<i>As graduate students</i>
Deep Springs Junior College, Deep Springs, Calif.	1	1	Heidelberg College, Tiffin, Ohio.	1	1
Dennison University, Granville, Ohio.	1	1	Herzl Branch, Chicago City Junior College, Chicago, Ill.	1	1
De Pauw University, Greencastle, Ind.	2	2	Hofstra College, Hempstead, N. Y.	1	1
Drew University, Madison, N. J.	1	1	Holy Cross College, Worcester, Mass.	1	1
Duke University, Durham, N. C.	4	1	Hunter College, New York, N. Y.	2	2
Duquesne University, Pittsburgh, Pa.	1	1	Illinois Institute of Technology, Chicago, Ill.	3	1
East Tennessee State College, Johnson City, Tenn.	1	1	Indiana University, Bloomington, Ind.	4	9
Eastern Kentucky State College, Richmond, Ky.	1	1	Institute for Advanced Study, Princeton, N. J.	2	2
Eidgenossische Technische Hochschule, Zurich, Switzerland.	1	1	Institute of Agriculture, Vienna, Austria.	1	1
El Camino Junior College, El Camino College, Calif.	1	1	Institute for Theoretical Physics, Copenhagen, Denmark.	7	11
Emory University, Emory University, Ga.	1	1	Iowa State College, Ames, Iowa.	1	1
Fairbury Junior College, Fairbury, Nebr.	1	1	Iowa State Teachers College, Cedar Falls, Iowa.	3	3
Florida State University, Tallahassee, Fla.	1	5	Iowa State University, Iowa City, Iowa.	3	1
Fordham University, New York, N. Y.	3	1	Johns Hopkins University, Baltimore, Md.	3	14
Franklin and Marshall College, Lancaster, Pa.	2	2	Kansas City Junior College, Kansas City, Mo.	1	1
Fresno State College, Fresno, Calif.	1	1	Kalamazoo College, Kalamazoo, Mich.	1	1
Fritz-Haber Institute, Berlin-Dahlem, Germany.	1	1	Kansas State Teachers College, Emporia, Kans.	1	1
George Washington University, Washington, D. C.	4	2	Kenyon College, Gambier, Ohio.	3	3
Georgia Institute of Technology, Atlanta, Ga.	1	1	Knox College, Galesburg, Ill.	1	1
Graceland College, Lamoni, Iowa.	1	1	Lassen Junior College, Susanville, Calif.	1	1
Hamilton College, Clinton, N. Y.	2	2	Lebanon Valley College, Annville, Pa.	1	1
Harvard University, Cambridge, Mass.	31	58	Lehigh University, Bethlehem, Pa.	3	1
Haverford College, Haverford, Pa.	3	3			

Long Island Biological Association, Cold Spring Harbor, N. Y.....	1	.....	2	Northern Oklahoma Junior College, Tonkawa, Okla.
Los Angeles City College, Los Angeles, Calif.....	2	.....	6	Northwestern University, Evanston, Ill.....
Los Angeles State College of Applied Arts and Sciences, Los Angeles, Calif.....	1	.....	1	Northwestern State College of Louisiana, Natchitoches, La.....
Louisiana State University, Baton Rouge, La.....	1	.....	2	Norwich University, Northfield, Vt.....
Loyola College, Baltimore, Md.....	1	.....	7	Oberlin College, Oberlin, Ohio.....
Luther College, Decorah, Iowa.....	1	.....	9	Ohio State University, Columbus, Ohio.....
Marine Biological Laboratory, Woods Hole, Mass.....	5	.....	3	Oklahoma A and M, Stillwater, Okla.....
Mars Hill College, Mars Hill, N. C.....	1	.....	2	Olympic Junior College, Bremerton, Wash.....
Massachusetts Institute of Technology, Cambridge, Mass.....	35	52	2	Oregon State College, Corvallis, Oreg.....
Medical College of Alabama, Birmingham, Ala.....	1	.....	2	Oxford University, Oxford, England.....
Miami University, Oxford, Ohio.....	1	.....	1	Palomar Junior College, San Marcos, Calif.....
Michigan State College, East Lansing, Mich.....	1	2	2	Pasadena City College, Pasadena, Calif.....
Middlebury College, Middlebury, Vt.....	1	.....	2	Pennsylvania State College, State College, Pa.....
Mississippi State College, State College, Miss.....	1	.....	1	Plymouth Teachers College, Plymouth, N. H.....
Missouri School of Mines and Metallurgy, Rolla, Mo.....	1	.....	7	Pomona College, Claremont, Calif.....
Montana State College, Bozeman, Mont.....	2	1	4	Princeton University, Princeton, N. J.....
Montana State University, Missoula, Mont.....	1	.....	6	Purdue University, Lafayette, Ind.....
Morton Junior College, Cicero, Ill.....	1	.....	1	Queens College of the City of New York, Flushing, Queens, N. Y.....
Mount Union College, Alliance, Ohio.....	1	.....	1	Long Island, N. Y.....
Nebraska State Teachers College, Wayne, Nebr.....	1	.....	1	Radcliffe College, Cambridge, Mass.....
Nebraska Wesleyan University, Lincoln, Nebr.....	1	.....	2	Reed College, Portland, Oreg.....
New Mexico School of Mines, Socorro, N. Mex.....	1	.....	4	Rensselaer Polytechnic Institute, Troy, N. Y.....
New York University, New York, N. Y.....	7	3	1	Rheinisch-Westfälische Technische Hochschule, Aachen, Germany.....
North Carolina State College of Agriculture and Engineering, Raleigh, N. C.....	2	3	1	Rice Institute, Houston, Tex.....
Northeastern Oklahoma Agriculture and Mechanical College, Miami, Okla.....	1	.....	1	Ripon College, Ripon, Wis.....
Northeastern University, Boston, Mass.....	1	.....	4	Rutgers University, New Brunswick, N. J.....
			1	St. Louis University, St. Louis, Mo.....
			3	St. Michael's College, Winooski Park, Vt.....
			1	St. Olaf College, Northfield, Minn.....
			1	St. Peter's College, Jersey City, N. J.....

INSTITUTIONS ATTENDED BY NATIONAL SCIENCE FOUNDATION FELLOWS AS UNDERGRADUATES AND GRADUATE STUDENTS—Continued

	Number of fellows attending		Number of fellows attending	
	As under-graduates	As graduate students	As under-graduates	As graduate students
St. Thomas College, St. Paul, Minn.	1			
Sampson College, Sampson, N. Y.	1			
San Diego State College, San Diego, Calif.	2			
San Francisco State College, San Francisco, Calif.	1			
San Jose State College, San Jose, Calif.	1			
Seton Hall University, Seton Hall, N. J.	1			
Seton Hill College, Greensburg, Pa.	1			
Sheffield University, Sheffield, England		1		
Smith College, Northampton, Mass.	1			
South Dakota School of Mines and Technology, Rapid City, S. Dak.	1			
South Dakota State College of Agriculture and Mechanic Arts, Brookings, S. Dak.	1			
Southwest Missouri State College, Springfield, Mo.	2			
Southwestern at Memphis, Memphis, Tenn.	1			
Southwestern Louisiana Institute, Lafayette, La.	1			
Springfield Junior College, Springfield, Ill.	2			
Stanford University, Stanford, Calif.	10	21		
State Teachers College, Valley City, N. Dak.	1			
Sullins College, Bristol, Va.	1			
Swarthmore College, Swarthmore, Pa.	10			
Syracuse University, Syracuse, N. Y.	3	1		
Teachers College of Connecticut, New Britain, Conn.	1			
Temple University, Philadelphia, Pa.	2			
Texas A and M, College Station, Tex.	1	1		
Texas Christian University, Fort Worth, Tex.	1	1		
Trinity College, Hartford, Conn.	1			
Tufts College, Medford, Mass.			1	
Tulane University, New Orleans, La.			2	2
Union College, Albany, N. Y.			1	
Union Junior College, Cranford, N. J.			1	
University of Amsterdam, Amsterdam, The Netherlands.			1	1
University of Arkansas Medical School, Fayetteville, Ark.			1	
University of Bern, Bern, Switzerland.				1
University of Birmingham, Birmingham, England.				1
University of California, Berkeley, Calif.			15	32
University of California, Los Angeles, Calif.			5	11
University of Chicago, Chicago, Ill.			23	45
University of Cincinnati, Cincinnati, Ohio.			2	
University of Colorado, Boulder, Colo.			4	4
University of Copenhagen, Copenhagen, Denmark.				2
University of Delaware, Newark, Del.				5
University of Detroit, Detroit, Mich.			1	
University of Florida, Gainesville, Fla.			3	2
University of Georgia, Athens, Ga.			1	1
University of Göttingen, Göttingen, Germany.				2
University of Hawaii, Honolulu, T. H.			1	1
University of Houston, Houston, Tex.			2	1
University of Illinois, Urbana, Ill.			15	27
University of Kansas, Lawrence, Kans.			6	6
University of Kansas City, Kansas City, Mo.			1	
University of Kentucky, Lexington, Ky.			3	3

University of London, London, England.....	1	Utah State Agricultural College, Logan, Utah.....	3	1
University of Maine, Orono, Maine.....	1	Valparaiso University, Valparaiso, Ind.....	1	.....
University of Maryland, College Park, Md.....	2	Vanderbilt University, Nashville, Tenn.....	4	3
University of Miami, Miami, Fla.....	1	Vanport Extension Center, Portland, Oreg.....	1	.....
University of Michigan, Ann Arbor, Mich.....	8	Vassar College, Poughkeepsie, N. Y.....	1	.....
University of Minnesota, Minneapolis, Minn.....	8	Virginia Junior College, Virginia, Minn.....	1	.....
University of Missouri, Columbia, Mo.....	3	Virginia Military Institute, Lexington, Va.....	1	.....
University of Nebraska, Lincoln, Nebr.....	2	Virginia Polytechnic Institute, Blacksburg, Va.....	4	1
University of Nevada, Reno, Nev.....	1	Washburn Municipal University of Topeka, Topeka, Kans.....	1	.....
University of New Hampshire, Durham, N. H.....	2	Washington State College, Pullman, Wash.....	2	1
University of New Mexico, Albuquerque, N. Mex.....	2	Washington and Lee University, Lexington, Va.....	1	.....
University of North Carolina, Chapel Hill, N. C.....	2	Washington University, St. Louis, Mo.....	6	5
University of North Dakota, Grand Forks, N. Dak.....	1	Waynesburg College, Waynesburg, Pa.....	1	.....
University of Notre Dame, Notre Dame, Ind.....	2	Wellesley College, Wellesley, Mass.....	1	.....
University of Oklahoma, Norman, Okla.....	5	Wesleyan University, Middletown, Conn.....	4	1
University of Oregon, Eugene, Oreg.....	2	Western Kentucky State Teachers College, Bowling Green, Ky.....	2	.....
University of Paris, Paris, France.....	1	Western Michigan College of Education, Kalamazoo, Mich.....	1	.....
University of Pennsylvania, Philadelphia, Pa.....	9	Western Reserve University, Cleveland, Ohio.....	6	3
University of Pittsburgh, Pittsburgh, Pa.....	1	Western Washington College of Education, Belling- ham, Wash.....	1	.....
University of Rhode Island, Kingston, R. I.....	1	Whittier College, Whittier, Calif.....	1	.....
University of Richmond, Richmond, Va.....	.....	Williams College, Williamstown, Mass.....	1	.....
University of Rochester, Rochester, N. Y.....	3	Wilmington College, Wilmington, Ohio.....	1	.....
University of Southern California, Los Angeles, Calif.....	1	Wisconsin State College, Milwaukee, Wis.....	1	.....
University of Tennessee, Knoxville, Tenn.....	3	Wisconsin State College, Oshkosh, Wis.....	1	.....
University of Texas, Austin, Tex.....	5	Wright Branch, Chicago City Junior College, Chicago, Ill.....	2	.....
University of the South, Sewanee, Tenn.....	1	Yale University, New Haven, Conn.....	4	18
University of Utah, Salt Lake City, Utah.....	3	Yeshiva University, New York, N. Y.....	1	.....
University of Vermont, Burlington, Vt.....	1			
University of Virginia, Charlottesville, Va.....	2			
University of Washington, Seattle, Wash.....	7			
University of Wichita, Wichita, Kans.....	1			
University of Wisconsin, Madison, Wis.....	10			
University of Wyoming, Laramie, Wyo.....	1			