

APPENDIX IV

GRADUATE FELLOWSHIP PROGRAM

Distribution of NSF Fellowships by State of Residence for the Academic Year 1954-55

<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	81	18	Illinois	250	50
Maine	9	2	Indiana	72	23
Massachusetts	169	38	Iowa	51	17
New Hampshire	11	3	Kansas	46	11
New Jersey	157	28	Michigan	107	23
New York	602	99	Minnesota	68	21
Pennsylvania	221	56	Missouri	66	24
Rhode Island	21	4	Nebraska	26	8
Vermont	6	2	North Dakota	10	4
			Ohio	121	35
SOUTH			South Dakota	9	2
Alabama	33	4	Wisconsin	70	26
Arkansas	16	1	WEST		
Delaware	4	0	Arizona	18	3
District of Columbia	39	7	California	304	85
Florida	59	9	Colorado	61	9
Georgia	31	3	Idaho	5	0
Kentucky	16	3	Montana	15	4
Louisiana	26	3	Nevada	9	3
Maryland	63	15	New Mexico	15	4
Mississippi	20	7	Oregon	40	9
North Carolina	47	4	Utah	18	5
Oklahoma	42	17	Washington	43	12
South Carolina	17	1	Wyoming	8	1
Tennessee	43	7	POSSESSIONS		
Texas	84	19	Alaska	1	0
Virginia	46	6	Hawaii	7	1
West Virginia	19	0	Puerto Rico	4	0

Distribution of NSF Fellowships by Year of Study and Field for the Academic Year 1954-55

Field	Predoctoral			Post-doctoral	Total
	First year	Inter-mediate	Terminal year		
Life sciences	40	81	56	36	213
Chemistry	59	54	43	15	171
Engineering	41	22	28	1	92
Earth sciences	8	15	8	2	33
Mathematics	20	21	19	12	72
Physics and astronomy	52	47	43	13	155
Total	220	240	197	79	736

Names, Residences, and Fields of Study of Individuals Awarded National Science Foundation Graduate Fellowships for Fiscal Year 1954

PREDOCTORAL FELLOWS

ALABAMA

ROY RONALD ODOM, Fairfield, Chemistry.
 CHARLES M. STEINBERG, Montgomery, Biophysics.
 PRIESTLY TOULMIN III, Birmingham, Earth Sciences.

ARIZONA

DONALD G. BRYANT, Tucson, Earth Sciences.
 BRADLEY DEAN BUCHER, Phoenix, Mathematics.

ARKANSAS

JAMES FRED HAYS,¹ Little Rock, Earth Sciences.

CALIFORNIA

DANA LEROY ABELL, Fresno, Zoology.
 EDWARD MCINTOSH ACTON, Morgan Hill, Chemistry.
 DOUGLAS E. APPLEQUIST, Berkeley, Chemistry.
 JON BARR APPLEQUIST,¹ Berkeley, Chemistry.

¹ Declined.

GEORGE ALLEN BAKER, Jr.,¹ Davis, Physics.

ALLAN MARION BARNES, Richmond, Zoology.

EDWIN DEMUTH BECKER, Berkeley, Chemistry.

DAVID RALPH BENNION, Los Altos, Engineering.

IVAN STANLEY BJORKLUND, Los Angeles, Engineering.

ALBERT THOMAS BOTTINI, Petaluma, Chemistry.

JOHN DOYLE BRITTON, Los Angeles, Chemistry.

MICHAEL EDWIN BROWNE, Long Beach, Physics.

DON LOUIS BUNKER, Simi, Chemistry.

SHERWIN JOHN CARLQUIST, San Marino, Botany.

JOHN ARTHUR CARLSON, Pasadena, Engineering.

MARK CHER, Los Angeles, Chemistry.

JOHN WILLIAM CRUMP, Sebastopol, Chemistry.

NOEL HOWARD DE NEVERS,¹ San Francisco, Engineering.

WILLIAM EDWIN DIBBLE, Glendale, Biophysics.

¹ Declined.

- LOWELL RALPH DOHERTY, San Diego, Physics.
- WALTER JOHN DOWNHOWER, Altadena, Engineering.
- ROBERT LOUIS DRESSLER, Inglewood, Botany.
- WALTER PASOLD EATHERLY, Temple City, Physics.
- SHELDEN D. ELLIOTT, Jr., Independence, Physics.
- RONALD FUCHS, Altadena, Physics.
- ROBERT HOWARD GOOD, Berkeley, Physics.
- ANDREW L. GRAM III, San Marino, Engineering.
- BRUNO HARRIS, Arcadia, Mathematics.
- BILLY J. HARTZ, Albany, Engineering.
- ROBERT SHAW HOFFMAN, Albany, Zoology.
- CLIFFORD ANDRE HOPSON, Mill Valley, Earth Sciences.
- MARY LAWRENCE HOUSTON, San Francisco, Zoology.
- CLIFFE DAVID JOEL, Vista, Biochemistry.
- ROBERT EUGENE JONES, Watsonville, Engineering.
- GLENN HOWARD KEITEL, Palo Alto, Engineering.
- JOHN HARVEY KENNEDY, Los Angeles, Chemistry.
- ROBERT P. KRAFT, Albany, Physics.
- ROBERT EDMOND LEVIN, Santa Ana, Engineering.
- JOHN CLAYTON LITTLE, Stockton, Chemistry.
- JON MATHEWS, Sierra Madre, Physics.
- DONALD S. MATTESON, Berkeley, Chemistry.
- ERNEST ALAN MEYER, Berkeley, Microbiology.
- JERRY CHARLES MITCHELL, Van Nuys, Chemistry.
- JAMES DAWSON MOHLER, Berkeley, Genetics.
- JAMES EDWARD MONSON, Palo Alto, Engineering.
- LLOYD N. MORRISSETT, Jr., Los Angeles, Psychology.
- ALLEN PARDUCCI, Berkeley, Psychology.
- PETER MARTIN RAY, Saratoga, Botany.
- WALTER BARCLAY RAY, Saratoga, Earth Sciences.
- RICHARD ALLEN REEVES, Los Angeles, Chemistry.
- JOHN HALL RICHARDS, Berkeley, Chemistry.
- LORENZO W. RICHARDS, Riverside, Chemistry.
- KENNETH W. ROBINSON, Los Angeles, Physics.
- WILLARD N. RUNQUIST, Green Valley Lake, Psychology.
- JACK SANDWEISS, Berkeley, Physics.
- RONALD LEE SHREVE, Bishop, Earth Sciences.
- JEROME WILLIAM SIDMAN,¹ Berkeley, Chemistry.
- HAROLD KING SINCLAIR, Los Angeles, Chemistry.
- FELIX TEISSEIRE SMITH, San Francisco, Chemistry.
- RONALD DEAN SMITH, Oakland, Chemistry.
- EDWARD ABRAHAM STERN, Los Angeles, Physics.
- ROBERT W. TANKERSLEY, Jr., Stanford, Microbiology.
- RICHARD B. TAYLOR, Claremont, Earth Sciences.
- JOHN BOWMAN THOMAS, Stanford, Engineering.
- WALTER ROLLIER THORSON, Los Angeles, Chemistry.
- EDWARD OAKLEY THORP, Los Angeles, Physics.
- WALTER M. WALSH, Los Angeles, Physics.
- HAROLD WEITZNER, San Francisco, Physics.
- ARTHUR EDWIN WENNSTROM,¹ Los Angeles, Engineering.

COLORADO

- ARNOLD BENSON, Boulder, Zoology.
- ALFRED DANTI, Colorado Springs, Chemistry.
- ROBERT C. GUNNING, Longmont, Mathematics.
- VANCE CLIFFORD KENNEDY, Denver, Earth Sciences.
- FRED BARROWS KNIGHT, Fort Collins, Agriculture.
- JOHN A. LASWICK, Boulder, Chemistry.
- JOHN ROBERT NAZY, Denver, Chemistry.
- LEWIS TODD REYNOLDS, Denver, Chemistry.

¹ Declined.

CONNECTICUT

- NORMAND CONRAD BLAIS, New Haven, Physics.
 FRANCIS GERALD CAREY, Rockville, Zoology.
 WILLIAM THOMAS DOYLE, New Haven, Physics.
 GEORGE BROOKS FIELD, Pomfret, Physics.
 DONALD LAWRENCE GILMAN, Storrs, Earth Sciences.
 CAROL LOUISE KILBOURNE, Woodmont, Chemistry.
 FRANK BRYANT MALLORY, New Haven, Chemistry.
 HARRY DOWD PECK, JR., Middletown, Microbiology.
 WALTER RALPH REITMAN, Middletown, Psychology.
 MAXINE FRANK SINGER, New Haven, Biochemistry.
 WILLIAM GRANT TIFFT, Seymour, Physics.
 JAMES V. TRUMBULL, Stonington, Earth Sciences.
 CHARLES F. WILCOX, Cos Cob, Chemistry.

DISTRICT OF COLUMBIA

- THOMAS ALBERT FARLEY, Washington, Physics.
 ROYAL BRUCE KELLOGG, Washington, Mathematics.
 FRANCIS L. LAMBERT, Washington, Zoology.
 PATRICIA C. REYNOLDS, Washington, Chemistry.
 LEO BLASE SCHLEGEL,¹ Washington, Mathematics.
 JEROME SPANIER, Washington, Mathematics.

FLORIDA

- HERBERT CHARLES CURL, Tallahassee, General Biology.
 DAVID JAMES FOULIS, South Miami, Mathematics.
 IRIS MABEL KIEM, Miami, Microbiology.
 ARTHUR R. MARSHALL, Miami, General Biology.
 RALPH DAVID MCWILLIAMS, Fort Myers, Mathematics.
 WALLACE A. MOSER, Bradenton, Physics.
 R. CHARD C. PILGER, West Palm Beach, Chemistry.

ROBERT SIDNEY SILAS, Gainesville, Chemistry.

GEORGIA

- WILLIAM ARCHER HAGINS, Oliver, Medical Sciences.
 ZELVIN LEVINE, Savannah, Engineering.
 ARTHUR HOMER NEAL, Atlanta, Chemistry.

ILLINOIS

- JAMES STUART AAGAARD, Chicago, Engineering.
 GEORGE EDWARD BACKUS, Chicago, Physics.
 ROBERT ELI BARON, Chicago, Physics.
 CHARLES EARL BARR, Elmwood Park, Botany.
 WALTER SCOTT BARTKY, Chicago, Mathematics.
 ALAN HERBERT CROMER, Chicago, Physics.
 DARWIN DARRELL DAVIS, Salem, Chemistry.
 DAVID HIRSCH EZEKIEL, Urbana, Microbiology.
 RICHARD WARREN FULMER, Champaign, Chemistry.
 DONALD SHEPARD GAGE, Palatine, Engineering.
 ROBERT BRUCE GARLAND, Elgin, Chemistry.
 DAVID MELVILLE GELLER, Oak Park, Biochemistry.
 JAMES W. GEWARTOWSKI, Chicago, Engineering.
 RICHARD WILLIAM GLADE, Urbana, Zoology.
 RAMON DON HAMILTON, Colfax, Microbiology.
 ROBERT JUNIOR HARDER, Gibson City, Chemistry.
 ROBERT HAROLD HARDIN, Champaign, Engineering.
 HARRIS DALE HARTZLER, Downers Grove, Chemistry.
 ALFRED HELLER, Chicago, Medical Sciences.
 DALE RICHARD HOFF, Galesburg, Chemistry.
 DELBERT LEROY JOHNSON, Monmouth, Engineering.
 GEORGE J. KACEK, JR., Berwyn, Engineering.

¹ Declined.

- MILES VINCENT KLEIN, Highland Park, Physics.
- ARTHUR A. KRAWETZ, Evanston, Chemistry.
- JOHN HAROLD LAW, JR., Park Forest, Biochemistry.
- SEYMOUR LEDERBERG, Urbana, Microbiology.
- ANDREW DAVID LIEHR, Chicago, Physics.
- THEODORE DEAN LITTLE, Marissa, Engineering.
- HARVEY MONROE LOUX, St. Joseph, Chemistry.
- LOIS W. MEDNICK, Chicago, Anthropology.
- ROBERT LEE METZENBERG, Highland Park, Biochemistry.
- ROBERT LEE MIEHER, Waverly, Engineering.
- FRANKLIN PAUL PETERSON, Naperville, Mathematics.
- WESLEY JOHN PETERSON,¹ Chicago, Zoology.
- LIONEL ISRAEL REBHUN, Chicago, Biochemistry.
- FRANCO SCARDIGLIA, Chicago, Chemistry.
- THEODORE DAVID SCHULTZ, Glencoe, Physics.
- JUSTIN ISABEL SIMON, Wheaton, Chemistry.
- DONALD ARTHUR SPEER, Morton Grove, Chemistry.
- EDWARD OTTO STEJSKAL, Berwyn, Chemistry.
- ROBERT ALLAN SWANSON, Chicago, Physics.
- RICHARD SANBORN THOMAS, Champaign, Biochemistry.
- HAL RICHARD WAITE, Chicago, Chemistry.
- JAMES WILLIAM WILT, Chicago, Chemistry.
- JOHN WIDMER WINCHESTER, Western Spring, Chemistry.
- WILLIAM ROBERT FRAZER, Indianapolis, Physics.
- ROGER ESTLICK GERKIN, South Bend, Chemistry.
- THEODORE M. HALLMAN,¹ West Lafayette, Engineering.
- JOSEPH DAVID HARRIS, West Lafayette, Biophysics.
- JOHN BURNETT HEMWALL, West Lafayette, Agriculture.
- MARGARET MARIE HIATT, Indianapolis, Microbiology.
- LEWIS MILTON HORGER, West Lafayette, Zoology.
- KENNETH ALAN JOHNSON, Hobart, Physics.
- J. JOHANNA JONES, Indianapolis, Botany.
- ROBERT PAUL KAISER, South Bend, Engineering.
- WILLIAM CHARLES LORDAN, Gary, Mathematics.
- DONALD JOSEPH MASON, Cutler, Microbiology.
- THOMAS ROBERT MERTENS, St. Joe, Genetics.
- DAVID JOHN MESCHI, Hammond, Chemistry.
- JOSEPH P. MUTSCHLECNER, Fort Wayne, Physics.
- MICHAEL EDWARD SENKO, Crown Point, Chemistry.
- WILLIAM DANKS SHEPHARD, Gary, Physics.
- FRANK SAMUEL STEPHENS, Wabash, Chemistry.
- THOMAS LEE SWIHART, Elkhart, Physics.

IOWA

- JAMES ROBERT ANDERSON, Ames, Physics.
- GEORGE EDWIN COLLINS, Adel, Mathematics.
- SPERRY EUGENE DARDEN, Sioux City, Physics.
- DANIEL HARTZ HUG, Davenport, Microbiology.
- JAMES STEWART HYDE, Des Moines, Physics.
- CLAUDE G. KING, Jr., Cedar Rapids, Engineering.
- BRUCE OWEN NOLF, Iowa City, Earth Sciences.

INDIANA

- ILA GLOVER CARROLL, West Lafayette, Microbiology.
- JOHN POLK CHESICK, New Castle, Chemistry.
- WILLIAM W. CLELAND, Bloomington, Biochemistry.

¹ Declined.¹ Declined.

WILLIAM DAVID OHLSEN, Ames, Physics.
 JOHN FREDERICK PAULS, Washington, Mathematics.
 LAURA MAURER ROTH, Waterloo, Physics.
 WILLIAM W. ROZEBOOM, Ottumwa, Psychology.
 RICHARD MARK SANDERS, Waterloo, Physics.
 RONALD LEWIS SASS, Davenport, Chemistry.
 CHARLES F. SCHUMACHER, Ames, Psychology.
 TRAVIS E. STEVENS, Ames, Chemistry.
 HUGH DAVID YOUNG, Osage, Physics.

KANSAS

NORMAN PAUL BAUMANN, Sylvan Grove, Physics.
 ROBERT REX BROWNLEE, Zenith, Physics.
 T. M. BURFORD, Wichita, Engineering.
 RICHARD HUNTLEY CAPPS, Wichita, Physics.
 HOWARD BRITTOK HAMILTON, Wichita, Engineering.
 EDWIN DALE HORNBAKER, Louisburg, Chemistry.
 FORREST EARL LADD, Jr., Lawrence, Psychology.
 ALLEN JAY LUNDEEN, Fowler, Chemistry.
 FRANCIS WARE PROSSER, Lawrence, Physics.
 ROBERT WARREN RYDJORD, Wichita, Psychology.
 ROBERT LYNN SHAFFER, Kinsley, Botany.

KENTUCKY

JOE WOOD CABLE, Murray, Chemistry.
 ALAN STANLEY HOROWITZ,¹ Ashland, Earth Sciences.
 WILLIAM WALLACE HUNT, Franklin, Chemistry.

LOUISIANA

PAULA JEAN BEAVER, New Orleans, Microbiology.
 PIERRE EUCLIDE CONNER, Lafayette, Mathematics.
 ROBERT EDGAR WEAVER, New Orleans, Engineering.

MAINE

REGINALD A. DEERING, Brooks, Biophysics.
 DAVID BENJAMIN STEWART, East Sumner, Earth Sciences.

MARYLAND

ROBERT WAUCHOPE BASS, Baltimore, Mathematics.
 FERNAND DENIS BEDARD, Baltimore, Physics.
 ALVIN L. BERMAN, Baltimore, Zoology.
 PAUL ANDREW COOK, Baltimore, Engineering.
 ALBERT WILLIAM CURRIER, West Annapolis, Mathematics.
 ROBERT HARRY GILPIN, Cumberland, Botany.
 JOHN JOSEPH HOPFIELD,¹ Bethesda, Physics.
 ESKIN HUFF, Bethesda, Biochemistry.
 JOHN EDWARD LAYNOR, Bethesda, Engineering.
 HIRSCH I. MANDELBERG, Baltimore, Physics.
 LEONARD SIDNEY RODBERG, Baltimore, Physics.
 L. EDWARD SCRIVEN II, Elkton, Engineering.
 THOMAS DARRAH THOMAS, Chevy Chase, Chemistry.
 CARROLL VANCE TRUSS, Baltimore, Psychology.

MASSACHUSETTS

MARGARET STUART BRYAN, Cambridge, Botany.
 EDITH CONSTANCE CLARKE, Concord, Biochemistry.
 LLOYD ARTHUR CURRIE, Somerville, Chemistry.
 LOUIS SELIG HARRIS, Brookline, Medical Sciences.
 RICHARD J. HERRNSTEIN, Newton, Psychology.
 WINBORNE TERRY JENKINS, Cambridge, Biochemistry.
 HAROLD MELVIN KAPLAN, Northampton, Mathematics.

¹ Declined.¹ Declined.

- FRANCIS THOMAS KENNEY, Springfield, Biochemistry.
- THOMAS BULKLEY KNAPP, Newton, Mathematics.
- JOSHUA KURLAND KOPP, Dorchester, Physics.
- ANN MATTHEWS LACY, Newton Center, Genetics.
- ELLIOTT HERSHEL LIEB, Boston, Physics.
- ROBERT MANDEL LURIE, Cambridge, Engineering.
- GERALD E. MAHONEY, Norwood, Mathematics.
- ROBERT BRUCE MARR, West Bridgewater, Physics.
- EDWARD JAMES OFENGAND, Taunton, Biochemistry.
- RICHARD SHELDON PALAIS, Brookline, Mathematics.
- JOHN WINSOR PRATT, Concord, Mathematics.
- STUART ALAN RICE,¹ Cambridge, Chemistry.
- PHILLIPS W. ROBBINS, Leominster, Biochemistry.
- ROBERT HORTON ROMER, Cambridge, Physics.
- FRANKLIN WILLIAM STAHL, Needham, Genetics.
- ROBERT DAVID STOLOW, Brookline, Chemistry.
- ROBERT W. THRASHER, Greenfield, Physics.
- BEATRICE TUGENDHAT, Webster, Psychology.
- PETER HANS VON HIPPEL, Weston, Biophysics.
- EDWIN SNELL WEAVER, Andover, Chemistry.
- CHARLES ALLEN WHITNEY, Cambridge, Physics.
- MICHIGAN
- ARDEN LEROY ALBEE, Mount Clemens, Earth Sciences.
- JAMES WILLIAM ALBRECHT, Detroit, Physics.
- SAM ALLAN BRADY, South Haven, Chemistry.
- GERALD WALTER CAMIENER, Detroit, Microbiology.
- MARY RUTH DAWSON, Ferndale, Earth Sciences.
- HOWARD MELVIN DESS, Ann Arbor, Chemistry.
- JOHN MITCHELL GARY, Kalamazoo, Mathematics.
- DAVID MARVIN GREEN, Ann Arbor, Psychology.
- ROBERT ARTHUR J. HEFNER, Ann Arbor, Psychology.
- WILLIAM S. JEWELL, Detroit, Engineering.
- LLOYD EDWARD KAECHLE, Allegen, Engineering.
- DUANE FRANCIS MORROW, Detroit, Chemistry.
- MORTON E. MUNK, Detroit, Chemistry.
- EDWARD H. POINDEXTER, Lansing, Physics.
- GARRY LEE SCHOTT, Huntington Woods, Chemistry.
- OWEN JAMES SEXTON, Pinckney, Zoology.
- ANTHONY EDWARD SIEGMAN, Pontiac, Engineering.
- DAVID SLAWSON WILLIAM,¹ Grand Rapids, Physics.
- HUGH LATIMER SMITH, Ann Arbor, Engineering.
- GEORGE A. VIDAVER, Detroit, Biochemistry.
- THOMAS FRANK WATERS, East Lansing, Zoology.
- ANDRE M. WEITZENHOFFER, Ann Arbor, Psychology.
- MINNESOTA
- NORMAN HENRY ANDERSON, Minneapolis, Psychology.
- THEODORE E. DICKELMAN, Minneapolis, Chemistry.
- MORTON ALBERT ELIASON, Moorhead, Chemistry.
- WILLIAM C. ERICKSON, Duluth, Physics.
- MARK STANLEY FAWCETT, Winona, Chemistry.
- CLAYTON FREDERIC GIESE, Minneapolis, Physics.
- RICHARD EVANS GRANT, St. Paul, Earth Sciences.
- JOHN CARL HOLMES, South St. Paul, Zoology.
- NAHMIN HORWITZ, Minneapolis, Physics.
- FRANK JEREMIAH LYON, Minneapolis, Engineering.

¹ Declined.¹ Declined.

ROBERT L. NICKELSON, Minneapolis, Engineering.

ALLEN EUGENE OGARD, Ada, Chemistry.

JAMES HARLAND OSBORN, Winona, Chemistry.

JOHN FETSCH READY, Minneapolis, Physics.

PAUL CHADWICK ROYCE,¹ Brainerd, Zoology.

RICHARD MYRON STRAW, St. Paul, Botany.

JEROME DOUGLAS SWALEN, Minneapolis, Chemistry.

WARREN FREYSCHLAG WADE, Minneapolis, Engineering.

NORMAN MALTBY WOLCOTT, St. Paul, Physics.

MISSISSIPPI

JOHN BALLARD BREAZEALE, Brandon, Physics.

CHARLES JULIAN BROWN, Utica, Chemistry.

JOHN FREDERIC GARST, Jackson, Chemistry.

EDWARD EVERETT GRACE, Corinth, Mathematics.

ALAN B. GROSSBERG, Gulfport, Chemistry.

JOHN FINCHER HOWELL, Cleveland, Microbiology.

NORMAN CHARLES MERWINE, Leakesville, Agriculture.

MISSOURI

ELIZABETH BECKER, Williamsville, Chemistry.

ROBERT LOUIS BECKER, Kirkwood, Physics.

JOSEPH HAROLD BELL, Ferguson, Engineering.

ROBERT EARL LEE BLACK, Harrisonville, Zoology.

ARTHUR MAR BOLSTERLI, St. Louis, Physics.

ROBERT MURRAY CANTWELL, St. Louis, Physics.

GERALD ALLEN COHEN, University City, Engineering.

ALONZO J. FAIRBANKS, St. Louis, Biophysics.

LISE GRUEN, Kansas City, Chemistry.

PHILIP GEORGE HALLOF, Kirkwood, Earth Sciences.

JOHN HOWER, JR., St. Louis, Earth Sciences.

LEONARD S. KISSLINGER, St. Louis, Physics.

LESTER HERMAN KRONE, JR., Jennings, Engineering.

DAVID EDGAR LEVENTHAL, St. Louis, Biochemistry.

CHESTER ALDEN MEAD, Webster Groves, Chemistry.

RALPH MOON MOBERLY, JR., Ferguson, Earth Sciences.

JOE MANFORD PARKS, Clinton, Chemistry.

JOSEPH W. RITTENHOUSE,¹ Rolla, Engineering.

BYRON PAUL ROE, St. Louis, Physics.

GEORGE HUBERT STOUT, St. Louis, Chemistry.

LOUIS JOSEPH TICHACEK, St. Louis, Engineering.

KENNETH GENE WERNICKE, Kansas City, Engineering.

MONTANA

MARVIN THEODORE BEATTY, Bozeman, Agriculture.

JOHN E. BUTCHER, Albion, Agriculture.

JOSEPH CONRAD CLIFFORD, Great Falls, Engineering.

JOHN ANTHONY POIRIER, Harlowton, Physics.

NEBRASKA

HARRY LAWRENCE GOLDING, Omaha, Biochemistry.

RALPH WOLFGANG KILB, Lincoln, Chemistry.

DAVID CARTER MCGARVEY, Omaha, Mathematics.

JAMES RAYMOND MUNKRES, Broadwater, Mathematics.

RUSSELL L. SCHELKOPF, Shickley, Agriculture.

WILLIAM F. VOGELANG, Lincoln, Physics.

JERROLD MOORE YOS, Lincoln, Physics.

NEVADA

IRVING POPE CRAWFORD, Reno, Microbiology.

FREDERICK R. JENSEN, Reno, Chemistry.

ROBERT DEAN SMYTH, Reno, Zoology.

¹ Declined.

¹ Declined.

NEW HAMPSHIRE

- DONALD DENNIS FITTS, Keene, Chemistry.
 WILLIAM F. HOFFMANN, Manchester,
 Physics.
 FREDERIC ALLAN JOHNSON, Concord,
 Chemistry.

NEW JERSEY

- RALPH RAYMOND BERGGREN, Short Hills,
 Physics.
 RONALD CHARLES BRESLOW, Rahway,
 Chemistry.
 STEPHEN URBAN CHASE, Princeton,
 Mathematics.
 GEORGE A. CONDOURIS, Passaic, Medical
 Sciences.
 RUDOLPH JOHN DIETZ, New Brunswick,
 Chemistry.
 PHYLLIS B. EVELETH, Neptune City,
 Anthropology.
 PAUL EDWARD GRAY, Livingston, Engi-
 neering.
 OSCAR W. GREENBERG, Newark, Physics.
 PETER HAROLD GREENE, East Orange,
 General Biology.
 NELLIE ROBBINS HARRIS, Port Norris,
 Medical Sciences.
 ROBERT HOBART, JR., Ramsey, Physics.
 BENTZ BUELL HOWARD, JR., Plainfield,
 Chemistry.
 DANIEL KLEITMAN, Morristown, Physics.
 PHILIP CHARLES LARIS, Perth Amboy,
 Zoology.
 ROBERT MARC MAZO, Camden, Physics.
 VICTOR KENNETH PARE, Woodbury,
 Physics.
 WILLARD VAN TUYL RUSCH, Lambert-
 ville, Engineering.
 JOSEPH A. SHROPSHIRE, New Gretna,
 Chemistry.
 MALCOLM SAUL STEINBERG, Highland
 Park, Zoology.
 RICHARD GORDON SWAN, Boonton, Mathe-
 matics.
 PETER JAMES WARTER, JR., Trenton, En-
 gineering.
 HENRY OSCAR WERNTZ, Margate,
 Zoology.
 PETER JOSEPH WOJTOWICZ, Linden,
 Chemistry.
 WILLIAM G. ZOELLNER, East Orange,
 Chemistry.

NEW MEXICO

- LEWIS EDGAR AGNEW, JR., Los Alamos,
 Physics.
 WALTER REILLY KANE, Los Alamos,
 Physics.
 GEORGE W. LECOMPTE, Los Alamos,
 Engineering.
 JAMES CHARLES PHILLIPS, Albuquerque,
 Physics.

NEW YORK

- LEE RICHARD ABRAMSON, New York,
 Mathematics.
 ERNEST A. ALLTON, Bronx, Physics.
 MICHAEL KLAUX BACH, Flushing, Bio-
 chemistry.
 ROBERT J. BALLENGEE, New Rochelle,
 Engineering.
 EMANUEL BASKIR, Rochester, Physics.
 LEONARD E. BAUM, Brooklyn, Mathe-
 matics.
 ROBERT GORDON BEARD, Oswego, Zool-
 ogy.
 ARNOLD MIXON BENSON, New York,
 Engineering.
 JOAN BERKOWITZ, Brooklyn, Chemistry.
 SAMUEL DAVID BERKOWITZ, Bronx,
 Mathematics.
 MARTIN BARRY BRILLIANT, Brooklyn,
 Engineering.
 WILLIAM BROWDER, Yonkers, Mathe-
 matics.
 EDWARD REYNOLDS BYRNE, Kenmore,
 Engineering.
 FRANK VINCENT CACCAVO, Upton, En-
 gineering.
 MORTON IRVING COHEN, New York,
 Zoology.
 PAUL J. COHEN, Brooklyn, Mathematics.
 WILLIAM CHARLES COHEN, Brooklyn,
 Engineering.
 MORRIS A. CYNKIN, Brooklyn, Micro-
 biology.
 DANIEL FRANK DE SANTO, New Rochelle,
 Engineering.
 ROBERT W. DETENBECK, Kenmore,
 Physics.
 GEORGE HOWARD DINSMORE, Ridgewood,
 Mathematics.
 RICHARD J. DRACHMAN, Brooklyn,
 Physics.
 PAUL RAYMOND DROUILHET, Poughkeep-
 sie, Engineering.

- GERALD DUDEK, Binghamton, Chemistry.
 HERBERT LEO ENNIS, Brooklyn, Microbiology.
 DAVID S. FALK, Long Island City, Physics.
 GERALD FEINBERG, New York, Physics.
 MAY FELDMAN, Brooklyn, Psychology.
 DUNCAN GRAHAM FOSTER, Ithaca, Physics.
 MARSHALL L. FREIMER, Brooklyn, Mathematics.
 AARON JUDAH FRIEDLAND, Bronx, Engineering.
 WALTER GILBERT, New York, Physics.
 MELVIN J. GOLDSTEIN, New York, Chemistry.
 MALCOLM STEPHEN GORDON, Brooklyn, Zoology.
 JOHN MORGAN GREENE, Rochester, Physics.
 ROSEMARY HAMMER, Franklin Square, Microbiology.
 RICHARD HECHT, Bronx, Physics.
 JULIAN P. HEICKLEN, Rochester, Chemistry.
 DAVID HERTZIG, Brooklyn, Mathematics.
 LEONARD A. HERZENBERG, Brooklyn, Biochemistry.
 RICHARD H. HILLSLEY, Larchmont, Engineering.
 PAUL HOROWICZ, New York, Zoology.
 SONJA KRAUSE, New York, Chemistry.
 ARTHUR F. KUCKES, Yonkers, Physics.
 AIMLEE D. LADERMAN, New York, Zoology.
 HENRY JACOB LANDAU, New York, Mathematics.
 DAVID B. LEWIN,¹ New York, Mathematics.
 MICHAEL LITT, New Rochelle, Biochemistry.
 JAMES DUANE LIVINGSTON, Brooklyn, Physics.
 ROBERT GERALD LOOMIS, Mount Vernon, Mathematics.
 IRVING JACK LOWE, Brooklyn, Physics.
 ELIHU LUBKIN, Brooklyn, Physics.
 DAVID WILLIAM LYNCH, Ithaca, Physics.
 DEAN EVERETT McCUMBER, Rochester, Engineering.
 ELLIOTT MENDELSON, Brooklyn, Mathematics.
- JOHN JACOB METZNER, Long Island, Engineering.
 JOHN DAVIS MUSA, Farmingdale, Engineering.
 JACK NACHMIAS, Brooklyn, Psychology.
 MARSHALL IRA NATHAN, New York, Physics.
 NORMAN PAUL NEUREITER, Genesco, Chemistry.
 MARTHA MOUNT NICELY, Mount Kisco, Zoology.
 DONALD SAMUEL ORNSTEIN, Harrison, Mathematics.
 ROBERT PEARLMAN, Long Beach, Mathematics.
 THERON STANDISH PIPER, Elmira, Chemistry.
 EDWARD CHARLES POSNER, Brooklyn, Mathematics.
 DAVID PRATT, Ithaca, Agriculture.
 LAWRENCE ROSLER, Brooklyn, Physics.
 DAVID ROTHMAN, Bronx, Mathematics.
 JEROME LEO SACKMAN,¹ Rome, Engineering.
 PHILIP EUGENE SARACHIK, Flushing, Engineering.
 RICHARD M. SCRIBNER, Snyder, Chemistry.
 HENRY SEIWATZ, Ithaca, Biophysics.
 RUTH FRIEDLAND SEIWATZ, Ithaca, Biophysics.
 CHARLES M. SOMMERFIELD, Brooklyn, Physics.
 DAVID SPIELBERG, Richmond Hill, Physics.
 ELIAS M. STEIN, New York, Mathematics.
 SIDNEY STEIN, New York, Engineering.
 WILLIAM JOHN STEIN, Flushing, Engineering.
 LISA AMELIA STEINER, Kew Gardens, Mathematics.
 SAUL HERBERT STERNBERG,¹ Bronx, Mathematics.
 MENASHA JOSEPH TAUSNER, Bronx, Physics.
 DAVID ANDREW TREFFS, South Schroon, Engineering.
 URSULA VIVIAN VICTOR, Pleasantville, Genetics.
 ALLEN W. WACHTEL, Irvington, Zoology.
 ROSELIN S. WAGNER, Jackson Heights, Chemistry.

¹ Declined.¹ Declined.

WALTER D. WALES, Oneonta, Physics.
 EDEL WASSERMAN, Brooklyn, Chemistry.
 STEVEN WEINBERG, New York, Physics.
 DONALD EARL WILCOX, Farmingdale, Engineering.
 LOUIS MARSHALL WINER, Spring Valley, Mathematics.
 ERIC WOLMAN, Rye, Mathematics.
 ARIEL CHARLES ZEMACH, New York, Physics.

NORTH CAROLINA

ALBERT RICH ERWIN, JR., Concord, Physics.
 ROBERT WINSHIP HEATH, Chapel Hill, Mathematics.
 KATHERINE RONDTHALER, Ocracoke Island, Botany.
 WILLIAM VAUGHN WRIGHT, Wilson, Mathematics.

NORTH DAKOTA

JULIUS ADLER, GRAND FORKS, Biochemistry.
 WILLIAM PATRICK BROWN, Stanley, Engineering.
 DAVID JOHN PARKER,¹ Fargo, Chemistry.
 PAUL EMERY THOMAS, Fargo, Mathematics.

OHIO

JAMES NOEL BAPTIST, Olmsted Falls, Biochemistry.
 NORMAN ANDREW BATES, Cleveland, Biochemistry.
 EDWARD GEORGE DANIELS, Lorain, Biochemistry.
 RICHARD L. DEININGER, Dayton, Psychology.
 HARMON CRAIG DUNATHAN, St. Marys, Chemistry.
 MARSHALL PAUL ERNSTENE, Cleveland, Physics.
 ALVIN ELI FEIN, University Heights, Physics.
 PAT W. K. FLANAGAN, Dayton, Chemistry.
 EDWARD LEE GARWIN, Cleveland, Physics.
 JOHN EDWARD GORDON, Columbus, Chemistry.
 WALTER ASHLEY HARRISON, Toledo, Physics.

¹ Declined.

HENRY ORVILLE HEISEY, Louisville, Biochemistry.

ROBERT TWEED HERSH, Cleveland Heights, Biochemistry.

FRED DONALD HOERGER, Wadsworth, Chemistry.

JOSEPH H. HOLLOWAY, Shaker Heights, Physics.

REED ANDERSON HOWALD, Perrysburg, Chemistry.

WILLIAM HENRY KASNER, Killbuck, Physics.

DAVID RONALD KREIG, Lorain, Genetics.

LOIS CAROLYN LAWRENCE, Cincinnati, Psychology.

DANIEL LEDNIGER, Columbus, Chemistry.

WALTER LESLIE MEYER, Oak Harbor, Chemistry.

JAMES THOMAS MORSE, Mentor, Mathematics.

GEORGE RAYMOND MURRAY, Dayton, Chemistry.

GLEN ANDERSON REBKA, JR., Cincinnati, Physics.

CARL FREDERICK ROTHE,¹ Lima, Zoology.

DAVID RYEBURN, Goshen, Mathematics.

DAVID ALAN SLOUGH, Findlay, Earth Sciences.

DAVID ARTHUR STRANG, Girard, Engineering.

ANDREW ALBERT WEAVER, Wooster, Zoology.

PETER NORD WOLFE, Columbus, Physics.

OKLAHOMA

REAGAN HOWARD BRADFORD, Lawton, Biochemistry.

LEON JAMES BRUNER, Ponca City, Physics.

RODNEY JEAN COOPER, Mutual, Agriculture.

CHARLES RUSSELL CRANE, Barnsdall, Biochemistry.

JACK H. ESSLINGER, Oklahoma City, Medical Sciences.

JOSEPH FOYER DEYO HULL, Tulsa, Earth Sciences.

HAROLD JOSEPH KIDD, Red Rock, Genetics.

EARL BUDDY KILPATRICK, Durant, Zoology.

OMER KIRCHER, Fairland, Engineering.

¹ Declined.

CARROLL FIELD KNUTSON,¹ Ponca City, Earth Sciences.

JAMES ELLIOTT McCUNE, Tulsa, Engineering.

MARK ALDRIDGE MELTON, Norman, Earth Sciences.

GORDON LEON NELSON, Stillwater, Engineering.

JAMES VERNON PARCHER, Stillwater, Engineering.

CHARLES WILLIAM REICH, Oklahoma City, Physics.

RICHARD LEWIS WILLHAM, Stillwater, Agriculture.

OREGON

RICHARD LEROY BAIRD, Portland, Chemistry.

JOHN WILLIAM DALY, Portland, Biochemistry.

BERTRAM GALE DICK, Jr., Portland, Physics.

DOUGLAS O. GEYMER, Clackamas, Chemistry.

MARGERIE PEARL GRAY, Eugene, Anthropology.

BARBARA LEE MANLEY, Medford, Zoology.

IRA KELLY MILLS, Corvallis, Botany.

EDWIN NORBECK, Milwaukie, Physics.

DOUGLAS L. VAN FLEET, Portland, Biochemistry.

PENNSYLVANIA

WALTER LEWIS BAILEY, Jr., Waynesburg, Mathematics.

PAUL BOOTH BARTON, Jr., Pittsburgh, Earth Sciences.

JOANNE MARIE BRIDGES, McKees Rocks, Chemistry.

ARTHUR JERRY BUSLIK, Philadelphia, Physics.

KALMAN JOSEPH COHEN, Pittsburgh, Mathematics.

VICTOR HUGO COHN, Jr., Reading, Medical Sciences.

RICHARD BERTRAM CURTIS, Ardmore, Physics.

RICHARD TODD DENTON,¹ State College, Engineering.

ROBERT HEMPHILL DEPUÉ,¹ Rutledge, Biochemistry.

RAYMOND EDWIN DESSY, Blawnox, Chemistry.

THOMAS McKEOWN DEVLIN, Philadelphia, Biochemistry.

JOSEPH ENGELBERG, Philadelphia, Biophysics.

BRUCE SIGMUND FISHER, Philadelphia, Chemistry.

ROBERT T. FOLK, Allentown, Physics.

H. NEWTON GARBER, Philadelphia, Engineering.

ALVIN MALCOLM GOODMAN, Philadelphia, Engineering.

MARTIN PAUL GOUTERMAN, Philadelphia, Biophysics.

PAUL BARNETT GREEN, Bala Cynwyd, Botany.

JOSEPH JOHN HIGGINS, Philadelphia, Physics.

FRANK SCANLAND HOUCK, Newville, Chemistry.

PAUL MITCHELL HURST, Jr., Hellam, Psychology.

NEIL RAYMOND JOHNSON, McKeesport, Engineering.

THEODORE ARTHUR LISS, Temple, Chemistry.

WILLIAM ALFRED LOVE, Pittsburgh, Physics.

LEWIS NELSON LUKENS, Philadelphia, Biochemistry.

PAUL SCHULTZ MARTIN, West Chester, Zoology.

THOMAS JOSEPH MATHIA, Strabane, Chemistry.

JOHN EDWARD MEYER,¹ Pittsburgh, Engineering.

ROBERT KENNETH MILLER, Harrisburg, Chemistry.

JAMES OKEY MONTAGUE, Pittsburgh, Physics.

JOSEPH T. MULLHAUPT, Warren, Chemistry.

FREDERICK C. NEIDHARDT, Bucks County, Microbiology.

ROBERT CLARK NEWMAN, State College, Engineering.

CHARLES JOSEPH NOEL, Philadelphia, Chemistry.

¹ Declined.

¹ Declined.

RICHARD EYRE NORTON, Philadelphia,
Physics.

ARTHUR S. OBERMAYER, Philadelphia,
Chemistry.

JOHN MELVIN OLSON, Philadelphia, Bio-
physics.

CHARLES ARTHUR PLANTZ, Pittsburgh,
Chemistry.

JAMES RUSSELL POWELL, Bradford
Woods, Engineering

HARRY ELMER REIFF, Allentown, Chem-
istry.

KURT REIBEL, Philadelphia, Physics.

JUDITH A. RICHMAN, Philadelphia, Math-
ematics.

JOHN ALBERT ROMBERGER, Hershey,
Botany.

RONALD RAYMOND SAUERS, Irwin, Chem-
istry.

RAYMOND FRANCIS SAWYER, Bethlehem,
Physics.

LLOYD ROBERT SCHISSLER, Alburts, En-
gineering.

ALBIN EUGENE SCHRAEDER, Nanticoke,
Physics.

DOROTHY ANN SEMENOW, Pittsburgh,
Chemistry.

FRANK V. SHALLCROSS, Philadelphia,
Chemistry.

PAUL HERMAN SQUIRES, Ambridge, En-
gineering.

WERNER TEUTSCH, Philadelphia, Physics.

KURT FALKE WISSBRUN, Philadelphia,
Chemistry.

JOHN WILLIAM WOLL, JR., Newtown,
Mathematics.

RHODE ISLAND

PAUL ROBERT CHAGNON, Woonsocket,
Physics.

LINCOLN EKSTROM, Providence, Chem-
istry.

ROBERT HERMANN, Kingston, Mathe-
matics.

JOSEPH N. PALMIERI, Providence, Physics.

SOUTH CAROLINA

VICTOR WILLIAM LAURIE, Columbia,
Chemistry.

SOUTH DAKOTA

KERMIT MARC BANDT, Reville, Earth
Sciences.

RODNEY RAYMOND RANKIN, Draper,
Earth Sciences.

TENNESSEE

JAMES REED COX, JR., Nashville, Chem-
istry.

LOYAL DURAND III, Knoxville, Physics.

WILLIAM PERRY FLATT, Newbern, Agri-
culture.

FREDERICK REDWINE, Chattanooga, En-
gineering.

JOHN CHARLES STEWART, Sewanee,
Physics.

ANNE STOCKELL, Nashville, Biochem-
istry.

SAMUEL GUY TAYLOR, JR., Memphis,
Earth Sciences.

TEXAS

WILLIAM C. AGOSTA, Dallas, Chemistry.

DAVID LEONARD AMSBURY, Houston,
Earth Sciences.

CALVIN LARUE BARKER, Dallas, Engineer-
ing.

R. LINN BELFORD, Laporte, Chemistry.

JAMES ERWIN COOPER III, Waxahachie,
Chemistry.

JAMES WATSON CRONIN, Dallas, Physics.

ROBERT FLOYD CURL, JR., San Antonio,
Chemistry.

PAUL LEIGHTON DONOHO, Houston,
Physics.

MARTIN DWORKIN, Austin, Microbiology.

JAMES FRANKLIN GIBBONS, Texarkana,
Engineering.

WILLIAM CECIL HERNDON, El Paso,
Chemistry.

LLOYD S. LOCKINGEN, Austin, Biophysics.

ELLINGTON MCFALL MAGEE, San Augus-
tine, Chemistry.

JERRY BASCERVIL MARION, Houston,
Physics.

JOHN STEPHEN MECHAM, Austin, Zool-
ogy.

PAUL EUGENE PETERSON, Denison, Chem-
istry.

IDE PEBBLES TROTTER, JR., Bryan, Engineering.
 GEORGE ROWLAND WHITE, Abilene, Physics.

UTAH

DAVID ALAN BRODIE, Salt Lake City, Medical Sciences.
 ROBERT VAN NOY DAVIS, Provo, Microbiology.
 DON W. ESPLIN, Salt Lake City, Medical Sciences.
 DAVID MORRIS GRANT, Salt Lake City, Chemistry.
 RICHARD LEWIS SNOW, Salt Lake City, Chemistry.

VERMONT

NORMAN A. FRIGERIO, Lyndonville, Biochemistry.
 ROBERT C. WOODWORTH, Bennington, Chemistry.

VIRGINIA

JAMES HARRISON BOYDEN, Wytheville, Physics.
 KENT COMBS BRANNOCK, Independence, Chemistry.
 CHARLES EUGENE COFFEY, Bristol, Chemistry.
 HUGH EVERETT 3d, Alexandria, Physics.
 MELVIN MORDECAI LEVINE, Charlottesville, Physics.
 WAYLAND WALDEN RENNIE, Richmond, Agriculture.

WASHINGTON

LOWELL L. ANDERSON, Spokane, Biophysics.
 CHARLES BALLANTINE, Seattle, Mathematics.
 DENNIS MARTIN FAHEY, Walla Walla, Chemistry.
 MARK PHILLIPS FREEMAN, Seattle, Chemistry.
 PAUL AMOS JOHNSON, Seattle, Engineering.
 DOUGLAS BRUCE MASSON, Pullman, Chemistry.
 DAVID DOLPH NYBERG, Camas, Chemistry.
 ROBERT ALLEN OLSON, Pullman, Microbiology.

DON LEE PETERSON, Seattle, Chemistry.
 CHARLES JACK SMILEY, Mt. Vernon, Earth Sciences.
 LAURENCE EDWARD WILSON, Mt. Vernon, Chemistry.

WISCONSIN

MARTIN ALEXANDER, Madison, Microbiology.
 WILLIAM F. BATTIG, Wauwatosa, Psychology.
 ROBERT JAMES BLATTNER, Milwaukee, Mathematics.
 FREDERICK GRAMM BROWN, Madison, Psychology.
 STEPHEN DEZIEL DARLING, Appleton, Chemistry.
 STEVEN CLARK FRAUTSCHI,¹ Madison, Physics.
 BARBARA JEAN HAMILTON, Manitowoc, Botany.
 ROBERT N. HAZELWOOD, Milwaukee, Biophysics.
 RICHARD JACOB HOLL, Madison, Physics.
 JOHN WARREN HUMBERT, Kohler, Engineering.
 WAYNE EDWARD MAGEE, Madison, Biochemistry.
 RICHARD JAMES PLANO, Merrill, Physics.
 JOHN EDWARD QUINLAN, Milwaukee, Chemistry.
 JEROME WILLIAM RIESE, Kaukauna, Physics.
 DONALD FRANCIS ROOT, Madison, Engineering.
 JOHN HOKE SCHNEIDER, Madison, Medical Sciences.
 ERNEST F. SILVERSMITH, Madison, Chemistry.
 RICHARD ALLEN SNEEN, Menomonie, Chemistry.
 EDWARD CARL THIEL, Wausau, Earth Sciences.
 JOHN DIRK WALECKA, Wauwatosa, Chemistry.

HAWAII

ALFRED S. L. HU, Honolulu, Zoology.

POSTDOCTORAL FELLOWS

ALABAMA

JOSEPH CHARLES O'KELLEY, Tuscaloosa, Botany.

ARIZONA

WENDELL V. F. BROOKS, Tucson, Chemistry.

CALIFORNIA

RICHARD CHARLES BLANCHFIELD,¹ South Pasadena, Mathematical Sciences.

MELVIN JOSEPH COHEN, Los Angeles, Zoology.

J. WYATT DURHAM,¹ Berkeley, Earth Sciences.

RICHARD E. GLICK,¹ Sherman Oaks, Chemistry.

DONALD LEONARD GLUSKER, Santa Monica, Chemistry.

RICHARD FRED HECK, Los Angeles, Chemistry.

JAMES ARTHUR IBERS, Pasadena, Chemistry.

LIONEL FRANCIS JAFFE, Pacific Grove, Botany.

JAMES ARTHUR LOCKHART, Los Angeles, Botany.

PAUL CECIL MARTIN,¹ Los Angeles, Physics.

LAWRENCE ORDIN, Berkeley, Botany.

DAVID DEXTER PERKINS, Stanford, Genetics.

DAVID MARSHALL PRESCOTT,¹ Berkeley, Zoology.

EDGAR REICH, Santa Monica, Mathematical Sciences.

WILLIAM GLENN SLY, Lakeside, Chemistry.

MILTON DENMAN VAN DYKE,¹ Los Altos, Engineering.

COLORADO

JOHN LEONARD WESTLEY, Denver, Genetics.

CONNECTICUT

HOWARD MARVIN DINTZIS, New Haven, Biochemistry.

WILLIAM SERMOLINO HILLMAN, Westport, Botany.

WILLIAM CHARLES G. ORTEL, New Haven, Physics.

FREDERIC M. RICHARDS, Wilton, Biochemistry.

IRWIN TESSMAN, New Haven, Physics.

¹ Declined.

DISTRICT OF COLUMBIA

FRANK SLAGLE HAM,¹ Washington, Physics.

FLORIDA

EUGENE FLOYD COX, Bradenton, Chemistry.

ILLINOIS

VERNON ROBERT DORJAHN, Evanston, Anthropology.

WILLIAM E. M. LANDS, Urbana, Biochemistry.

ROBERT WILLIAM LICHTWARDT, Champaign, Botany.

EARL ROBERT RICH, Chicago, General Biology.

JONATHAN GEORGE WEGENER,¹ Chicago, Psychology.

INDIANA

WILLIAM MARTIN HUEBSCH, South Bend, Mathematical Sciences.

IOWA

WALLACE HERMAN ORGELL, Hubbard, Botany.

MARYLAND

HENRY LEROY PLAINE,¹ Baltimore, Genetics.

MASSACHUSETTS

PHILIP STANLEY CHEN, JR., South Lancaster, Medical Sciences.

THEODORE DELEVORYAS,¹ Chicopee Falls, Botany.

WILLIAM BRUCE HAWKINS, JR., Springfield, Physics.

MARTIN KARPLUS, West Newton, Chemistry.

HENRY WAY KENDALL, Sharon, Physics.

JOHN HERMAN LUFT,¹ Boston, Zoology.

DONALD MORE MAYNARD, JR., West Newton, Zoology.

JOHN COLEMAN MOORE, Belmont, Mathematical Sciences.

ANTHONY G. OETTINGER, Cambridge, Mathematics.

BRUCE BERNOT STOWE, Cambridge, Botany.

LAWRENCE WILETS, Auburn, Physics.

¹ Declined.

MICHIGAN

EDWIN WEISS, Ann Arbor, Mathematical Sciences.

MINNESOTA

GLEN EARL BAXTER,¹ Minneapolis, Mathematical Sciences.

DAVID THORESON LYKKEN, Minneapolis, Psychology.

MISSOURI

S. GAYLEN BRADLEY,² Springfield, Microbiology.

KENNETH L. RINEHART, JR.,¹ Chillicothe, Chemistry.

NEBRASKA

WILLIAM L. BADE,¹ Omaha, Physics.

MARSHALL FLYNN RUCHTE, Lincoln, Mathematical Sciences.

NEW JERSEY

GEORGE LEE BATE, Bergenfield, Earth Sciences.

GERALD SANFORD BERNSTEIN, Trenton, Biochemistry.

DAVID ALVIN BUCHSBAUM, Princeton, Mathematical Sciences.

VICTOR LENARD SHAPIRO, University Heights, New Brunswick, Mathematical Sciences.

NEW YORK

LEON N. COOPER, Great Neck, Physics.

GERARD F. ENDRES,¹ Brooklyn, Chemistry.

GARY FELSENFELD, New York, Chemistry.

RICHARD C. LEWONTIN,¹ Flushing, Genetics.

ARTHUR PAUL MATTUCK, Brooklyn, Mathematical Sciences.

ARTHUR ROBERTS,¹ Rochester, Physics.

DEXTER ROGERS, Buffalo, Biochemistry.

OHIO

GEORGE EDWARD BRIGGS,¹ Briggsdale, Psychology.

KENNETH TAYLOR BROWN, Yellow Springs, Psychology.

JAMES BRIGGS HENDRICKSON,¹ Toledo, Chemistry.

KARL GORDON HENIZE,¹ Cincinnati, Astronomy.

CHARLES HENRY SOUTHWICK, Wooster, Zoology.

OKLAHOMA

WALTER CLARK HAMILTON, Stillwater, Chemistry.

PENNSYLVANIA

LAROE NORTROP CASTOR, JR.,¹ Philadelphia, Zoology.

JACOB FELDMAN, Philadelphia, Mathematical Sciences.

WADE LANFORD FITE, Jenkintown, Physics.

STUART HARVEY MUDD, Haverford, Medical Sciences.

TEXAS

GRADY LINDER WEBSTER, Cedar Valley, Botany.

WASHINGTON

BYRON ADAMS CAMPBELL, Seattle, Psychology.

WISCONSIN

WILLIAM LOUIS CULBERSON, Madison, Botany.

CHARLES WHITTLESEY CURTIS,¹ Madison, Mathematical Sciences.

JAMES FREDERICK HORNIG, Milwaukee, Chemistry.

ROBERT ELLSWORTH IRELAND, Madison, Chemistry.

WALDO E. JOHNSON, Osseo, Zoology.

MICHAEL TINKHAM, Ripon, Physics.

WYOMING

RICHARD EDWIN CUTKOSKY, Cheyenne, Physics.

¹ Declined.

² Withdrew.

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>
Amherst College, Amherst, Mass.....	8		Carleton College, Northfield, Minn.....	4	
Antioch College, Yellow Springs, Ohio.....	3		Carnegie Institute of Technology, Pittsburgh, Pa....	14	11
Augustana College, Rock Island, Ill.....	1		Carnegie Institution of Washington, Biological Laboratory, Cold Spring Harbor, N. Y.....		1
Baldwin-Wallace College, Berea, Ohio.....	1		Case Institute of Technology, Cleveland, Ohio.....	7	
Ball State Teachers College, Muncie, Ind.....	1		Catholic University, Washington, D. C.....	2	1
Bard College, Annandale-on-Hudson, N. Y.....	1		Central College, Pella, Iowa.....	1	
Bethany Peniel College, Bethany, Okla.....	1		Chaffey Junior College, Ontario, Calif.....	1	
Bethel College, McKenzie, Tenn.....	1		City College of New York, N. Y.....	12	
Birmingham-Southern College, Birmingham, Ala....	4		Claremont Graduate School, Claremont, Calif.....		1
Black Mountain College, Black Mountain, N. C.....	1		Clark University, Worcester, Mass.....	1	
Bob Jones University, Greenville, S. C.....	1		Colby College, Waterville, Maine.....	1	
Boston University, Boston, Mass.....	1	1	College of Great Falls, Great Falls, Mont.....	1	
Bowdoin College, Brunswick, Me.....	1		College of William and Mary, Williamsburg, Va....	1	
Bowling Green State University, Bowling Green, Ohio.....	1		College of Wooster, Wooster, Ohio.....	4	
Brigham Young University, Provo, Utah.....	1	1	Colorado College, Colorado Springs, Colo.....	1	
Brookhaven National Laboratory, Upton, Long Island, N. Y.....		2	Columbia University, New York, N. Y.....	15	27
Brooklyn College, Brooklyn, N. Y.....	6		Commonwealth Scientific and Industrial Research Organization, Melbourne, Australia.....		1
Brown University, Providence, R. I.....	4	8	Concordia College, Moorhead, Minn.....	1	
Bryn Mawr College, Bryn Mawr, Pa.....	1		Cooper Union, School of Engineering, New York, N. Y.....		2
Butler University, Indianapolis, Ind.....	1		Cornell University, Ithaca, N. Y.....	24	25
California Institute of Technology, Pasadena, Calif.	18	47	Dartmouth College, Hanover, N. H.....	1	1
Cameron State Agricultural College, Lawton, Okla.	1		Deep Springs Junior College, Deep Springs, Calif..	1	
Canisius College, Buffalo, N. Y.....	1				

Delta State Teachers College, Cleveland, Miss	1	.....	Institute for Advanced Study, Princeton, N. J.	.....	6
DePauw University, Greencastle, Ind.	3	.....	Iowa State College, Ames, Iowa	.....	13
Drexel Institute of Technology, Philadelphia, Pa.	1	.....	Iowa State University, Iowa City, Iowa	.....	4
Dickinson College, Carlisle, Pa.	1	.....	John Muir College, Pasadena, Calif.	.....	2
Duke University, Durham, N. C.	2	4	Johns Hopkins University, Baltimore, Md.	.....	6
Eau Claire State Teachers College, Eau Claire, Wis.	1	.....	Junior College, Kansas City, Mo.	.....	1
Edinburgh University, Edinburgh, Scotland	.....	1	Kalamazoo College, Kalamazoo, Mich.	.....	1
Eidgenössische Technische Hochschule, Zürich, Switzerland	.....	2	Kansas State College of Agriculture and Applied Science, Manhattan, Kans.	.....	1
El Camino College, El Camino College, Calif.	1	.....	Kenyon College, Gambier, Ohio	.....	2
Emory University, Emory University, Ga.	.....	2	King's College, Bristol, Tenn.	.....	1
Eureka College, Eureka, Ill.	1	.....	Knox College, Galesburg, Ill.	.....	1
Florida State University, Tallahassee, Fla.	1	5	Lebanon Valley College, Annville, Pa.	.....	1
Fordham University, New York, N. Y.	1	.....	Lehigh University, Bethlehem, Pa.	.....	7
Fresno State College, Fresno, Calif.	1	.....	Lewis and Clark College, Portland, Oreg.	.....	1
Georg August University, Goettingen, Germany	.....	1	Los Angeles City College, Los Angeles, Calif.	.....	1
George Washington University, Washington, D. C.	3	2	Los Angeles State College of Applied Arts and Sciences, Los Angeles, Calif.	.....	1
Georgia Institute of Technology, Atlanta, Ga.	2	3	Louisiana State University, Baton Rouge, La.	.....	1
Gettysburg College, Gettysburg, Pa.	1	.....	Loyola University, Chicago, Ill.	.....	1
Hamline University, St. Paul, Minn.	1	.....	Lyons Township Junior College, La Grange, Ill.	.....	1
Hamilton College, Clinton, N. Y.	1	.....	Manchester College, Manchester, Ind.	.....	1
Hanover College, Hanover, Ind.	40	74	Manhattan College, New York, N. Y.	.....	1
Harvard University, Cambridge, Mass.	3	.....	Marine Biological Laboratory, Woods Hole, Mass.	.....	4
Haverford College, Haverford, Pa.	1	.....	Marquette University, Milwaukee, Wis.	.....	2
Heidelberg College, Tiffin, Ohio	1	.....	Mars Hill College, Mars Hill, N. C.	.....	1
Hershey Junior College, Hershey, Pa.	1	.....	Massachusetts Institute of Technology, Cambridge, Mass.	.....	29
Hinds Junior College, Raymond, Miss.	1	.....	McNeese State College, Lake Charles, La.	.....	1
Hofstra College, Hempstead, N. Y.	1	.....	Messiah Junior College, Grantham, Pa.	.....	1
Holy Cross College, Worcester, Mass.	1	.....	Miami University, Oxford, Ohio	.....	4
Hopkins Marine Station, Pacific Grove, Calif.	.....	3	Michigan State College, East Lansing, Mich.	.....	5
Illinois Institute of Technology, Chicago, Ill.	7	1			
Indiana University, Bloomington, Ind.	6	8			

Institutions attended by National Science Foundation Fellows as Undergraduates and Graduate Students—Continued

Institution and location	Number of fellows attending		Institution and location	Number of fellows attending	
	As under-graduate students	As graduate students		As under-graduate students	As graduate students
Middlebury College, Middlebury, Vt.	1		Northwestern University, Evanston, Ill.	13	11
Milligan College, Milligan College, Tenn.	1		Oak Ridge School of Reactor Technology, Oak Ridge, Tenn.		1
Millsaps College, Jackson, Miss.	1		Oberlin College, Oberlin, Ohio.	11	
Minot State Teachers College, Minot, N. Dak.	1		Ohio State University, Columbus, Ohio.	7	11
Mississippi College, Clinton, Miss.	1		Ohio Wesleyan University, Delaware, Ohio.	2	
Mississippi State College, State College, Miss.	1	1	Oklahoma Agricultural and Mechanical College, Stillwater, Okla.	6	4
Missouri School of Mines and Metallurgy, Rolla, Mo.	2		Oregon State College, Corvallis, Oreg.	2	5
Montana State College, Bozeman, Mont.	3	2	Oxford University, Oxford, England.	3	9
Montana State University, Missoula, Mont.	2		Palomar College, Vista, Calif.	1	
Morton Junior College, Cicero, Ill.	1		Pembroke College, Providence, R. I.	1	
Mount Holyoke College, South Hadley, Mass.	1		Pennsylvania College for Women, Pittsburgh, Pa.	1	
Murray State College, Murray, Ky.	1		Pennsylvania State University, State College, Pa.	5	7
Nebraska Wesleyan University, Lincoln, Nebr.	3		Philadelphia College of Pharmacy and Science, Philadelphia, Pa.	1	
Newcomb College, New Orleans, La.	1		Phillips University, Marburg, Germany.		1
New Jersey State Teachers College, Upper Montclair, N. J.	1		Polytechnic Institute of Brooklyn, New York.	3	1
New York State Maritime College, Bronx, N. Y.	1		Pomono College, Claremont, Calif.	3	
New York University, New York, N. Y.	7	5	Portland State Extension Center, Portland, Oreg.	1	
North Carolina State College of Agriculture and Engineering, Raleigh, N. C.	1		Pratt Institute, Brooklyn, N. Y.	1	
North Dakota Agricultural College, Fargo, N. Dak.	1		Princeton University, Princeton, N. J.	7	36
Northeastern Oklahoma Agriculture and Mechanical College, Miami, Okla.	1		Purdue University, Lafayette, Ind.	6	11
Northern Oklahoma Junior College, Tonkawa, Okla.	2		Queens College of the City of New York, Flushing, Long Island, N. Y.	3	
North Texas State College, Denton, Tex.	2	2			

Radcliffe College, Cambridge, Mass.	3	5	Texas Agricultural and Mechanical College, College Station, Tex.	2
Reed College, Portland, Oreg.	6	.....	Trinity College, Hartford, Conn.	1
Regis College, Denver, Colo.	1	.....	Tufts College, Medford, Mass.	1
Rensselaer Polytechnic Institute, Troy, N. Y.	3	1	Tulane University, New Orleans, La.	2
Rice Institute, Houston, Tex.	3	6	Union College, Schenectady, N. Y.	1
Ripon College, Ripon, Wis.	1	.....	University College of North Wales, Bangor, Wales.	1
Roosevelt College, Chicago, Ill.	1	.....	University of Alabama, University Post Office, Ala.	1
Royal Veterinary College, Stockholm, Sweden.	.....	1	University of Arizona, Tucson, Ariz.	1
Rutgers University, New Brunswick, N. J.	7	.....	University of Arkansas, Fayetteville, Ark.	1
St. Louis University, St. Louis, Mo.	2	.....	University of Bern, Bern, Switzerland.	1
St. Michael's College, Winooski Park, Vt.	1	.....	University of Birmingham, Birmingham, England.	1
St. Olaf College, Northfield, Minn.	3	.....	University of California, Berkeley, Calif.	22
St. Thomas College, St. Paul, Minn.	1	.....	University of California, Davis, Calif.	1
Sampson College, Sampson, N. Y.	1	.....	University of California, Los Angeles, Calif.	9
San Diego State College, San Diego, Calif.	2	.....	University of Cambridge, Cambridge, England.	2
Santa Ana College, Santa Ana, Calif.	1	.....	University of Chattanooga, Chattanooga, Tenn.	1
Santa Rosa Junior College, Santa Rosa, Calif.	2	.....	University of Chicago, Chicago, Ill.	23
Smith College, Northampton, Mass.	1	.....	University of Cincinnati, Cincinnati, Ohio.	2
South Dakota School of Mines and Technology, Rapid City, S. Dak.	2	.....	University of Colorado, Boulder, Colo.	3
Southeastern State College, Durant, Okla.	.....	1	University of Connecticut, Hartford, Conn.	1
Southern Illinois University, Carbondale, Ill.	2	.....	University of Copenhagen, Copenhagen, Denmark.	6
Southern Methodist University, Dallas, Tex.	1	.....	University of Delaware, Newark, Del.	3
Southwestern College, Winfield, Kans.	1	.....	University of Detroit, Detroit, Mich.	3
Stanford University, Stanford, Calif.	11	27	University of Florida, Gainesville, Fla.	2
Sterling College, Sterling, Kans.	1	.....	University of Glasgow, Glasgow, Scotland.	1
Stockton College, Stockton, Calif.	1	.....	University of Grenoble, Grenoble, France.	1
Sul Ross State College, Alpine, Tex.	1	.....	University of Hawaii, Honolulu, T. H.	1
Swarthmore College, Swarthmore, Pa.	15	1	University of Houston, Houston, Tex.	1
Syracuse University, Syracuse, N. Y.	1	1	University of Illinois, Urbana, Ill.	14
Technische Hochschule, Munich, Germany.	.....	1	University of Kansas, Lawrence, Kans.	7
Temple University, Philadelphia, Pa.	2	.....	University of London, London, England.	2

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>
University of Maine, Orono, Maine.....	2	.....	University of Strasbourg, Strasbourg, France.....	.....	1
University of Maryland, College Park, Md.....	4	.....	University of Tennessee, Knoxville, Tenn.....	2	2
University of Massachusetts, Amherst, Mass.....	.....	1	University of Texas, Austin, Tex.....	5	7
University of Miami, Coral Gables, Fla.....	2	5	University of Utah, Salt Lake City, Utah.....	4	5
University of Michigan, Ann Arbor, Mich.....	13	19	University of Vermont, Burlington, Vt.....	1	.....
University of Minnesota, Minneapolis, Minn.....	13	19	University of Virginia, Charlottesville, Va.....	.....	3
University of Missouri, Columbia, Mo.....	3	1	University of Washington, Seattle, Wash.....	8	10
University of Nebraska, Lincoln, Nebr.....	3	3	University of Wichita, Wichita, Kans.....	1	1
University of Nevada, Reno, Nev.....	3	2	University of Wisconsin, Madison, Wis.....	13	46
University of New Hampshire, Durham, N. H.....	1	1	U. S. Naval Academy Postgraduate School, Annapolis, Md.....	.....	1
University of New Mexico, Albuquerque, N. Mex.....	.....	2	USAF Institute of Technology, Wright-Patterson Air Force Base, Ohio.....	1	.....
University of North Carolina, Chapel Hill, N. C.....	3	6	Utah State Agricultural College, Logan, Utah.....	2	1
University of Notre Dame, Notre Dame, Ind.....	4	5	Vanderbilt University, Nashville, Tenn.....	4	3
University of Oklahoma, Norman, Okla.....	10	5	Vanport College, Portland, Oreg.....	1	.....
University of Omaha, Omaha, Nebr.....	2	.....	Villanova College, Villanova, Pa.....	1	.....
University of Oregon, Eugene, Oreg.....	3	2	Virginia Polytechnic Institute, Blacksburg, Va.....	2	.....
University of Paris, Paris, France.....	.....	6	Wagner College, Staten Island, N. Y.....	1	.....
University of Pennsylvania, Philadelphia, Pa.....	12	13	Washington and Jefferson College, Washington, Pa.....	1	.....
University of Pittsburgh, Pittsburgh, Pa.....	1	4	Washington and Lee University, Lexington, Va.....	1	.....
University of Portland, Portland, Oreg.....	1	.....	Washington State College, Pullman, Wash.....	4	2
University of Redlands, Redlands, Calif.....	1	.....	Washington University, St. Louis, Mo.....	6	9
University of Rochester, Rochester, N. Y.....	5	8	Wayne State Teachers College, Wayne, Nebr.....	1	.....
University of the South, Sewanee, Tenn.....	1	.....	Wayne University, Detroit, Mich.....	2	1
University of South Carolina, Columbia, S. C.....	2	.....		
University of Southern California, Los Angeles, Calif.....	2	2			

Wellesley College, Wellesley, Mass.....	1	Whitman College, Walla Walla, Wash.....	1
Wesleyan University, Middletown, Conn.....	5	Whitworth College, Spokane, Wash.....	1
Western Kentucky State Teachers College, Bowling Green, Ky.....	1	Willamette University, Salem, Oreg.....	1
Western Michigan College of Education, Kalamazoo, Mich.....	2	William Jewell College, Liberty, Mo.....	1
Western Reserve University, Cleveland, Ohio.....	3	Williams College, Williamstown, Mass.....	2
Western Washington College of Education, Belling- ham, Wash.....	2	Wilson Junior College, Chicago, Ill.....	2
Wheaton College, Wheaton, Ill.....	3	Winona State Teachers College, Winona, Minn.....	2
		Wright Junior College, Chicago, Ill.....	2
		Yale University, New Haven, Conn.....	9
		Yeshiva University, New York, N. Y.....	1
			31