

## APPENDIX IV

### GRADUATE FELLOWSHIP PROGRAM

*Distribution of NSF Fellowships by State of Residence for the Academic Year  
1955-56*

<i>Region and State</i>	<i>Applications Received</i>	<i>Awards Made</i>	<i>Region and State</i>	<i>Applications Received</i>	<i>Awards Made</i>
NORTHEAST			NORTH CENTRAL		
Connecticut.....	69	18	Illinois.....	253	55
Maine.....	15	4	Indiana.....	74	22
Massachusetts.....	194	38	Iowa.....	53	13
New Hampshire.....	12	3	Kansas.....	44	10
New Jersey.....	155	32	Michigan.....	109	28
New York.....	603	110	Minnesota.....	72	19
Pennsylvania.....	262	54	Missouri.....	73	19
Rhode Island.....	20	4	Nebraska.....	22	8
Vermont.....	7	2	North Dakota.....	9	4
			Ohio.....	113	39
			South Dakota.....	10	2
			Wisconsin.....	80	24
SOUTH			WEST		
Alabama.....	29	5	Arizona.....	19	5
Arkansas.....	13	5	California.....	293	82
Delaware.....	9	3	Colorado.....	39	8
District of Columbia.....	33	3	Idaho.....	7	1
Florida.....	59	11	Montana.....	11	0
Georgia.....	29	4	Nevada.....	2	0
Kentucky.....	23	7	New Mexico.....	14	4
Louisiana.....	28	9	Oregon.....	37	9
Maryland.....	64	15	Utah.....	40	9
Mississippi.....	34	8	Washington.....	65	21
North Carolina.....	48	10	Wyoming.....	7	2
Oklahoma.....	44	12			
South Carolina.....	18	3	POSSESSIONS		
Tennessee.....	25	9	Alaska.....	1	0
Texas.....	78	16	Hawaii.....	7	2
Virginia.....	53	13	Puerto Rico.....	1	0
West Virginia.....	10	1			

*Distribution of NSF Fellowships by Year of Study and Field for the Academic Year 1955-56*

Field	First year	Predoc- toral inter- mediate	Terminal year	Post- doctoral	Total
Life sciences . . . . .	46	93	60	26	225
Chemistry . . . . .	54	69	45	15	183
Engineering . . . . .	55	31	20	2	108
Earth sciences . . . . .	8	14	8	1	31
Mathematics . . . . .	22	21	9	11	63
Physics and astronomy . . . . .	70	63	27	15	175
Total . . . . .	255	291	169	70	785

*Names, Residences and Fields of Study of Individuals Awarded National Science Foundation Graduate Fellowships for Fiscal Year 1955*

## ALABAMA

## PREDOCTORAL

GILMORE, ALVAN R., Auburn, Agriculture.  
 KNIGHT, JAMES M., Mobile, Physics.  
 RHODES, WILLIAM C., Anniston, Bio-  
 chemistry.  
 STEINBERG, CHARLES M., Montgomery,  
 Biophysics.  
 TOULMIN, PRIESTLEY, III, Birmingham,  
 Earth Sciences.

## ARIZONA

## POSTDOCTORAL

ANDERSON, ROGER Y., Tucson, Earth  
 Sciences.  
 BRYANT, ROBERT C., Tucson, Earth  
 Sciences.  
 CARTER, MELVIN W., Glendale, Agricul-  
 ture.  
 JUSTICE, KEITH E., Tucson, Zoology.  
 PETTUS, DAVID, Tempe, Zoology.

## ARKANSAS

## POSTDOCTORAL

ASKEY, RICHARD A., Little Rock, Mathe-  
 matics.

ELLIS, WALTON P., Mammoth Spring,  
 Chemistry.

GUSTAFSON, JOHN W., El Dorado,  
 Physics.

PRICKETT, ROBERT JOE, Pine Bluff, Engi-  
 neering.

WILLIS, WILLIAM JAY, Fort Smith, Phy-  
 sics.

## CALIFORNIA

## POSTDOCTORAL

ALLINGER, NORMAN L., Santa Monica,  
 Chemistry.

BLANCHFIELD, RICHARD C.,<sup>2</sup> South Pasa-  
 dena, Mathematics.

CHAMBERS, KENTON LEE, Atascadero,  
 Botany.

COMPTON, ROBERT R., Palo Alto, Earth  
 Sciences.

DELLENBACK, ROBERT J.,<sup>1</sup> Long Beach,  
 Zoology.

GLUSKER, DONALD L., Santa Monica,  
 Chemistry.

HIRSCH, JEROME E., Berkeley, Psychology.

HOFFMANN, ROBERT S.,<sup>1</sup> Albany, Zool-  
 ogy.

<sup>1</sup> Declined.  
<sup>2</sup> Deceased.

SISTROM, WILLIAM R.,<sup>1</sup> Berkeley, Microbiological.

SMITH RONALD DEAN, Oakland, Chemistry.

TANNENBAUM, EILEEN, Berkeley, Chemistry.

PREDOCTORAL

ABRAHAMSON, GEORGE R., Wilmington, Engineering.

ANDELIN, JOHN P., JR., Los Angeles, Physics.

APPLEQUIST, JON B., Berkeley, Chemistry.

APPLEWHITE, THOMAS H., El Monte, Chemistry.

BACON, LYLE C., Pasadena, Engineering.

BARR, DONALD W., Berkeley, Chemistry.

BASS, HYMAN, Los Angeles, Mathematics.

BELKNAP, MARTHA JANE, Burbank, Microbiology.

BJORKLUND, IVAN S., Los Angeles, Engineering.

BONNER, BRUCE A., JR., Berkeley, Botany.

BOTTINI, ALBERT T., Petaluma, Chemistry.

BREDON, GLEN E., Sanger, Mathematics.

BROKAW, CHARLES J., El Segundo, Zoology.

BROSEMER, RONALD W.,<sup>1</sup> Oakland, Biochemistry.

CARLQUIST, SHERWIN J., San Marino, Botany.

CHER, MARK, Los Angeles, Chemistry.

CHINN, JAMES, Berkeley, Engineering.

CIMA, RICHARD M., Orosi, Engineering.

CONRAD, DAVID A., Palo Alto, Engineering.

CRANSTON, MARGARET B., Altadena, Zoology.

DE NEVERS, NOEL H., San Francisco, Engineering.

DOHERTY, LOWELL R., San Diego, Astronomy.

DRESSLER, ROBERT L., Inglewood, Botany.

EHLIG, PERRY L., Tarzana, Earth Sciences.

ELLIOTT, SHELDON D., JR., Independence, Physics.

FONG, PAUL, San Francisco, Mathematics.

FULLER, MARTIN E., II, Hawthorne, Chemistry.

HAITHCOCK, LINDA LEE, La Jolla, Zoology.

HARRIS, BRUNO, Arcadia, Mathematics.

HARRIS, ROBERT E., Ontario, Chemistry.

HERSCHBACH, DUDLEY R., Saratoga, Chemistry.

HONSAKER, JOHN L.,<sup>1</sup> Pasadena, Physics.

HOUSTON, MARY E., San Francisco, Zoology.

HUANG, LUC, Oakland, Chemistry.

HULTGREN, NEILEN WOOD, Berkeley, Chemistry.

LA TOURRETTE, JAMES T., Los Angeles, Physics.

LEVIN, ROBERT E., Santa Ana, Engineering.

LITTLE, JOHN CLAYTON, Stockton, Chemistry.

MATHEWS, JON, Sierra Madre, Physics.

MATHIS, JOHN S., Pasadena, Astronomy.

MAYFIELD, IVAN JEANNE, Chino, General Biology.

MESELSON, MATTHEW S., Los Angeles, Chemistry.

MILLIKAN, ROGER C., Berkeley, Chemistry.

MITCHELL, ALBERT H., Berkeley, Physics.

MITCHELL, JERRY C., Van Nuys, Chemistry.

MJOLSNESS, RAYMOND C., Mill Valley, Physics.

MORRISSETT, LLOYD N., JR., Los Angeles, Psychology.

NILSSON, NILS J., Glendale, Engineering.

NOONAN, THOMAS W., Los Angeles, Physics.

ORVILLE, PHILIP M., Santa Monica, Earth Sciences.

PAULING, PETER J., Pasadena, Biophysics.

PICCOLINI, RICHARD J., Crestline, Chemistry.

RAY, W. BARCLAY,<sup>1</sup> Saratoga, Earth Sciences.

REEVES, RICHARD A., Los Angeles, Chemistry.

REEVES, ROBERT B., Whittier, Medical Sciences.

REGIER, FRANK A.,<sup>1</sup> Oakland, Engineering.

RUNQUIST, WILLARD N., Green Valley Lake, Psychology.

SEDERHOLM, CHARLES H. Pleasant Hill, Chemistry.

<sup>1</sup> Declined.

<sup>1</sup> Declined.

**SHREVE, RONALD L.**, Bishop, Earth Sciences.

**SINCLAIR, H. KING**, Los Angeles, Chemistry.

**SNOW, SIDNEY R.**, North Hollywood, Genetics.

**STRINGER, LORAN W.**, Sacramento Engineering.

**STROMBOTNE, RICHARD L.**, Claremont, Physics.

**SUTTON, DONALD D.**, Davis, Microbiology.

**THOMAS, JOHN B.**<sup>1</sup> Stanford, Engineering.

**THOMASIAN, ARAM J.**, Berkeley, Mathematics.

**THORSON, WALTER R.**, Los Angeles, Chemistry.

**WAITE, HAL R.**, Covina, Chemistry.

**WALSH, WALTER M., JR.**, Los Angeles, Physics.

**WEITZNER, HAROLD**, San Francisco, Physics.

**WOODS, WILLIAM G.**, Los Angeles, Chemistry.

#### COLORADO

##### POSTDOCTORAL

**GUNNING, ROBERT C.**, Longmont, Mathematics.

##### PREDOCTORAL

**BENSON, ARNOLD**, Boulder, Zoology.

**BLANPIED, WILLIAM A.**, Denver, Physics.

**JOHNSON, ALBERT W.**, Boulder, Botany.

**KNORR, OWEN A.**, Boulder, Zoology.

**NAZY, JOHN R.**, Denver, Chemistry.

**REYNOLDS, LEWIS T.**, Denver, Chemistry.

**STORKE, FREDERICK P. Jr.**, Boulder, Engineering.

#### CONNECTICUT

##### POSTDOCTORAL

**AUSLANDER, LOUIS**, Hamden, Mathematics.

**FURSPAN, EDWIN J.**, Hartford, Zoology.

**MAZO, ROBERT M.**, New Haven, Chemistry.

##### PREDOCTORAL

**DRANOFF, JOSHUA S.**<sup>1</sup> Bridgeport, Engineering.

**GILBERT, WALTER**, Westport, Physics.

<sup>1</sup> Declined.

**KNIPMEYER, HUBERT E.**, New Milford, Chemistry.

**KOHN, ALAN J.**, Hamden, Zoology.

**LUNDGREN, LAWRENCE W.**, New Haven, Earth Sciences.

**McKEE, ELLIOTT B., Jr.**, New Haven, Earth Sciences.

**MEIGS, ROBERT A.**, Newington, Biochemistry.

**NICHOLS, WILLIAM B.**, New Haven, Chemistry.

**PECK, HARRY D., Jr.**, Middletown, Microbiology.

**SEIWATZ, HENRY**, New Haven, Biophysics.

**SEIWATZ, RUTH F.**<sup>1</sup> New Haven, Biophysics.

**SINGER, MAXINE F.**, New Haven, Biochemistry.

**TABOR, WILLIAM J.**, Rockfall, Chemistry.

**TABORSKY, GEORGE**<sup>1</sup> New Haven, Biochemistry.

**TIFFT, WILLIAM G.**, Seymour, Astronomy.

#### DELAWARE

##### POSTDOCTORAL

**GLOVER, ROLFE E., III**, Wilmington, Physics.

##### PREDOCTORAL

**FRY, KEELIN T., Jr.**, Wilmington, Chemistry.

**LONDON, SHELDON A.**, Newark, Microbiology.

#### DISTRICT OF COLUMBIA

##### POSTDOCTORAL

**SHAPPIRIO, DAVID G.**, Washington, Zoology.

##### PREDOCTORAL

**CRAIG, NORMAN C.**, Washington, Chemistry.

**SEARS, RICHARD L.**, Washington, Astronomy.

#### FLORIDA

##### PREDOCTORAL

**BARNES, ROBERT L.**, Gainesville, Agriculture.

**BENTLEY, F. EDWARD**, Jacksonville, Chemistry.

BROWN, MORTON, Palm Beach, Chemistry.  
 CURL, HERBERT C., Jr., Tallahassee, General Biology.  
 ELLIS, WALTER H., Tallahassee, Medical Science.  
 KIEM, IRIS M., South Miami, Microbiology.  
 LILLY, DOUGLAS K.,<sup>1</sup> Tallahassee, Earth Sciences.  
 MCWILLIAMS, RALPH D., Fort Myers, Mathematics.  
 MOSER, WALLACE A., Bradenton, Physics.  
 PIPPIN, JOHN E.,<sup>1</sup> Panama City, Engineering.  
 RAY, WILLIAM J., Jr., Bradenton, Chemistry.

## GEORGIA

## PREDOCTORAL

CHAMBLISS, DAVIS J.,<sup>1</sup> Atlanta, Psychology.  
 FRYE, BILLY E., Clarkesville, Zoology.  
 GOODFRIEND, PAUL L., Atlanta, Chemistry.  
 MCDANIEL, EDGAR L., Jr., Augusta, Chemistry.

## IDAHO

## PREDOCTORAL

COWGILL, GEORGE L., Grangeville, Anthropology.

## ILLINOIS

## POSTDOCTORAL

DORHAN, VERNON R., Evanston, Anthropology.  
 LEDERBERG, SEYMOUR,<sup>1</sup> Champaign, Microbiology.  
 LICHTEN, WILLIAM L., Chicago, Physics.  
 METZENBERG, ROBERT L., Jr.,<sup>1</sup> Highland Park, Biochemistry.  
 PETERSON, FRANKLIN P., Naperville, Mathematics.

## PREDOCTORAL

AAGAARD, JAMES S., Chicago, Engineering.  
 APPELMAN, EVAN H., Chicago, Chemistry.  
 AYARS, JAMES STERLING, Jr., Urbana, Mathematics.

<sup>1</sup> Declined.

BARON, ROBERT E., Chicago, Physics.  
 BLOUNT, EUGENE I., Chicago, Physics.  
 BREESE, ROBERT FINLEY, Chicago, Chemistry.  
 CUMMISFORD, PATRICIA D., Arlington Heights, Medical Science.  
 DERWENT, JOHN E., Chicago, Mathematics.  
 DEWEY, RAY S., Chicago, Chemistry.  
 DICKERSON, RICHARD E., Charleston, Chemistry.  
 DRAKE, FRANK D., Chicago, Astronomy.  
 DUBROVIN, KENNETH P., Chicago, Agriculture.  
 EATHERLY, WALTER P., Decatur, Physics.  
 ESHLEMAN, DEAN B., Sterling, Engineering.  
 ETTINGER, RAY, Chicago, Chemistry.  
 EVERETT, ALLEN E., Wilmette, Physics.  
 EZEKIEL, DAVID H., Urbana, Microbiology.  
 FINHOLT, JAMES E., Oak Park, Chemistry.  
 FOX, JOHN D., Urbana, Physics.  
 GELLER, DAVID M., Oak Park, Biochemistry.  
 GINSBERG, DONALD M., Chicago, Physics.  
 GOODMAN, GORDON L., Riverside, Chemistry.  
 GOSSELINK, JAMES G., Chicago, Agriculture.  
 HALFORD, DONALD W., Metamora, Chemistry.  
 HARDER, ROBERT J., Gibson City, Chemistry.  
 HARRIS, SAMUEL M., Chicago, Physics.  
 HARTZLER, HARRIS D., Downers Grove, Chemistry.  
 HELLER, ALFRED, Chicago, Medical Sciences.  
 HERMAN, RICHARD N., Chicago, Engineering.  
 HUFFMAN, JOHN W., Evanston, Chemistry.  
 HULLAND, BURTON L.,<sup>1</sup> Villa Park, Engineering.  
 JAMES, PHILIP N., Urbana, Chemistry.  
 JOHNSON, JOSEPH E., Rock Island, Biochemistry.  
 JOSEPH, DAVID W., Wheaton, Physics.  
 LANE, N. GARY,<sup>1</sup> Sidell, Earth Sciences.  
 LAW, JOHN H., Park Forest, Biochemistry.

<sup>1</sup> Declined.

LE NOBLE, WILLIAM J., Chicago, Chemistry.

LUSHBOUGH, CHANNING H., Chicago, Medical Sciences.

MATTESON, DONALD S., Champaign, Chemistry.

REBHUN, LIONEL I.,<sup>1</sup> Chicago, Biochemistry.

REINMUTH, WILLIAM H., Chicago, Chemistry.

RESING HENRY A., Chicago, Chemistry.

ROMANO, RICHARD C., Chicago, Engineering.

SEARING, JOAN A., Lincolnwood, Chemistry.

SHIPLETT, CARROLL M., Abingdon, Mathematics.

STEJSKAL, EDWARD O., Berwyn, Chemistry.

STOEVER, EDWARD C., Jr., Elmhurst, Earth Sciences.

VANDERWATER, ROBERT G., Pekin, Engineering.

WALLMAN, EDWIN J., Jr., Chicago, Engineering.

WHITESIDE, ARLISS E., Joliet, Engineering.

## INDIANA

## POSTDOCTORAL

FORD, KENNETH W.,<sup>1</sup> Bloomington, Physics.

RADAVICH, JOHN F., West Lafayette, Engineering.

## PREDOCTORAL

BE MILLER, JAMES N., Evansville, Biochemistry.

BROSHAR, WAYNE C., Crawfordsville, Physics.

CARLSON, ELOF A., Bloomington, Genetics.

CHESICK, JOHN P., New Castle, Chemistry.

DAVIS, ROBERT E., VALPARAISO, Chemistry.

FALLER, JAMES E., Mishawaka, Physics.

FRAZER, WILLIAM R., Indianapolis, Physics.

GERKIN, ROGER E., South Bend, Chemistry.

<sup>1</sup> Declined.

HARRISON, JACK L., Granger, Earth Sciences.

HIATT, MARGARET M., Indianapolis, Microbiology.

LONG, LEON E., Gary, Chemistry.

LORDAN, WILLIAM C., Gary, Mathematics.

MASON, DONALD J., Cutler, Microbiology.

MURRAY, ROGER A.,<sup>1</sup> Hagerstown, Engineering.

RAY, CLAYTON E., Indianapolis, Earth Sciences.

ROONEY, LAWRENCE F., Bloomington, Earth Sciences.

SENKO, MICHAEL E., Crown Point, Chemistry.

SHONLE, JOHN I., Indianapolis, Physics.

STILLER, MARY L., Connersville, Botany.

TALLAN, IRWIN, Bloomington, Genetics.

## IOWA

## PREDOCTORAL

ANDERSON, HUGH R., Iowa City, Physics.

ENGLER, JEAN A., Mason City, Psychology.

GEORGE, BOYD W., Burlington, Zoology.

GESKE, DAVID H., Iowa City, Chemistry.

GRANT, GORDON S., Cedar Falls, Astronomy.

PETERSON, CONRAD L., Boone, Biochemistry.

ROTH, LAURA M., Waterloo, Physics.

ROZEBOOM, WILLIAM W., Ottumwa, Psychology.

SASS, RONALD L., Davenport, Chemistry.

WALLACE, DUANE C., Knoxville, Physics.

WILBOIS, ANNETTE D., Des Moines, Genetics.

WILCOX, RONALD E., Des Moines, Earth Sciences.

WYMORE, C. ELMER, Oskaloosa, Chemistry.

## KANSAS

## POSTDOCTORAL

SCOTT, WILLIAM R., Lawrence, Mathematics.

## PREDOCTORAL

BURGER, W. LESLIE, Lawrence, Zoology.

CARPENTER, RAYMON T.,<sup>1</sup> Yates Center, Physics.

CLARKE, ROBERT F., Emporia, Zoology.

<sup>1</sup> Declined.

DALY, HOWELL V., JR., Lawrence, Zoology.  
 GRABER, JEAN W., El Dorado, Zoology.  
 HALL, BENJAMIN DOWNS, Lawrence, Chemistry.  
 LUNDEEN, ALLAN J., Fowler, Chemistry.  
 McMURRAY, LOREN R., Topeka, Mathematics.  
 STANER, BARBARA J., Wichita, Psychology.

KENTUCKY

PREDOCTORAL

DE MUMBRUM, LAWRENCE E., JR., Stiles, Agriculture.  
 DIXON, JOE B.,<sup>1</sup> Lexington, Agriculture.  
 GILBERT, J. FREEMAN, JR., Lawrenceburg, Earth Sciences.  
 HUNT, WILLIAM W., JR., Franklin, Chemistry.  
 RAGLAND, JOHN L., Beaver Dam, Agriculture.  
 VANDENBOSCH, ROBERT, Lexington, Chemistry.  
 WEINBERG, ALFRED, Louisville, Physics.

LOUISIANA

PREDOCTORAL

BEAVER, PAULA J., New Orleans, Zoology.  
 BLAKEWOOD, CHARLES H., Baton Rouge, Physics.  
 BURLESON, GEORGE R., Baton Rouge, Physics.  
 FUTRELL, JEAN H., Dry Prong, Chemistry.  
 LEMMON, WILLIAM W., New Orleans, Engineering.  
 PEGUES, BETTY E., Shreveport, Chemistry.  
 RICHARDSON, ROGER WOLCOTT, JR., Baton Rouge, Mathematics.  
 SIMON, ARTHUR B., New Orleans, Mathematics.  
 TINKLE, DONALD W., New Orleans, Zoology.

MAINE

PREDOCTORAL

BERKELMAN, KARL,<sup>1</sup> Lewiston, Physics.  
 COMMERFORD, SPENCER L., Belfast, Biochemistry.  
 LE BEL, NORMAN A.,<sup>1</sup> Brunswick, Chemistry.  
 SHIRLEY, DAVID A., Orono, Chemistry.

<sup>1</sup> Declined.

MARYLAND

POSTDOCTORAL

HOROWICZ, PAUL, Baltimore, Biophysics.  
 PROCK, ALFRED, Baltimore, Chemistry.

PREDOCTORAL

BERMAN, ALVIN L., Baltimore, Medical Science.  
 EVANS, DAVID R., Baltimore, Zoology.  
 FLETCHER, JOHN G., Chevy Chase, Physics.  
 GATES, OLCOTT, Ruxton, Earth Sciences.  
 HOPFIELD, JOHN J., Bethesda, Physics.  
 KANE, ROBERT E., Baltimore, Zoology.  
 MANDELBERG, HIRSCH ISRAEL, Baltimore, Physics.  
 MARTIN, MARY HELEN, College Park, Zoology.  
 NILSON, EDGAR, Middletown, Microbiology.  
 REESE, WILLIAM D., Owings Mills, Botany.  
 RODBERG, LEONARD S., Baltimore, Physics.  
 THOMAS, T. DARRAH, Chevy Chase, Chemistry.  
 WHITAKER, STEPHEN, Elkton, Engineering.

MASSACHUSETTS

POSTDOCTORAL

KENDALL, HENRY W., Sharon, Physics.  
 KODIS, RALPH D., Cambridge, Engineering.  
 MARK, HANS M., Brookline, Physics.  
 MARTIN, PAUL C., Cambridge, Physics.  
 NEISSER, ULRIC, Boston, Psychology.  
 RAY, PETER M., Cambridge, Botany.  
 RICE, STUART A., Cambridge, Chemistry.  
 WHITNEY, CHARLES A., Medford, Astronomy.

PREDOCTORAL

ACKLEY, JOHN N., Newton, Engineering.  
 BARR, R. MAC DONALD, Cambridge, Engineering.  
 BROOKS, DAVID B., North Easton, Earth Sciences.  
 BRYAN, MARGARET S., Cambridge, General Biology.  
 CHEN, HELEN D., South Lancaster, Medical Science.

CULVAHOUSE, JACKIE W., Cambridge, Physics.  
 DAVIS, JOHN L., Rockland, Physics.  
 DICKINSON, ALLAN W., Springfield, Mathematics.  
 EIGNER, JOSEPH, Swampscott, Chemistry.  
 HOWARD, WEBSTER E., Jr., Winthrop, Physics.  
 JOYNER, WILLIAM BISH, Cambridge, Earth Sciences.  
 KASETA, FRANCIS W., Norwood, Physics.  
 KENNEDY, DONALD, Cambridge, Zoology.  
 KENNEY, FRANCIS T., Springfield, Biochemistry.  
 KOPP, JOSHUA K., Dorchester, Physics.  
 LACY, ANN M., Newton Center, Microbiology.  
 LINDQUIST, RICHARD W., Worcester, Physics.  
 MILKMAN, ROGER D., Cambridge, Genetics.  
 MUCKENHOUP, BENJAMIN, Newton Highlands, Mathematics.  
 PALAIS, RICHARD S., Cambridge, Mathematics.  
 PANAGOS, SYLVIA S., Lynn, Medical Sciences.  
 POSKANZER, ARTHUR M., Cambridge, Chemistry.  
 POTTER, DAVID D., Amherst, Zoology.  
 RAUP, DAVID M., Petersham, Earth Sciences.  
 SCHELL, ALLAN C., South Dartmouth, Engineering.  
 SHEPARD, SUSAN C., West Falmouth, Earth Sciences.  
 TUDEN, ARTHUR,<sup>1</sup> Boston, Anthropology.  
 WHITE, ROBERT W., Somerville, Chemistry.  
 WILLISTON, ANNE C., Northampton, Chemistry.  
 ZABUSKY, NORMAN J.,<sup>1</sup> Cambridge, Engineering.

## MICHIGAN

## POSTDOCTORAL

BATTLE, EDWIN H.,<sup>1</sup> Port Huron, Microbiology.  
 HELLWARTH, ROBERT W.,<sup>2</sup> Detroit, Physics.  
 WEISS, EDWIN, Ann Arbor, Mathematics.

<sup>1</sup> Declined.  
<sup>2</sup> Withdrew.

## PREDOCTORAL

ALBRECHT, JAMES W.,<sup>1</sup> Detroit, Physics.  
 ALLERTON, SAMUEL E., Kalamazoo, Chemistry.  
 AXELROD, EUGENE H., Detroit, Chemistry.  
 BRINEY, ROBERT E., Muskegon, Mathematics.  
 CURTIS, THEODORE T., Ann Arbor, Psychology.  
 DAWSON, MARY R., Ferndale, Earth Sciences.  
 GARY, JOHN M., Kalamazoo, Mathematics.  
 GOAD, ROBERT J., Detroit, Engineering.  
 HAZARD, EVAN B.,<sup>1</sup> Ann Arbor, Zoology.  
 HEFNER, ROBERT A., JR., Ann Arbor, Psychology.  
 HOMMEL, LEONARD S., Detroit, Psychology.  
 HORGER, LEWIS M., Adrian, Zoology.  
 IVERSON, GRACE B., Ann Arbor, Botany.  
 MEYER, WALTER L., Ann Arbor, Chemistry.  
 MOHR, CHARLES M., South Haven, Engineering.  
 MORENCY, ALFRED JAMES, Coldwater, Physics.  
 MORROW, DUANE F., Detroit, Chemistry.  
 NICHOLS, WILLIAM H., Detroit, Physics.  
 PEHLKE, ROBERT D., Ferndale, Engineering.  
 PLACEWAY, CARLTON, Imlay City, Chemistry.  
 ROOD, JOHN W., East Lansing, Mathematics.  
 SMITH, HARRY A., Grand Rapids, Chemistry.  
 TOCCO, PHYLIS G., Detroit, Chemistry.  
 VAN PUTTEN, JAMES D., JR., Holland, Physics.  
 WATERS, THOMAS F., East Lansing, Zoology.

## MINNESOTA

## POSTDOCTORAL

WILLIAMS, STEPHAN, Minneapolis, Anthropology.

## PREDOCTORAL

DANIELSON, ROBERT E., Deer River, Physics.

<sup>1</sup> Declined.



DICKELMAN, THEODORE E., Minneapolis, Chemistry.

ELIASON, MORTON A., Moorhead, Chemistry.

FAWCETT, MARK S., Winona, Chemistry.

FREDERICK, EDWARD C., Eagle Lake, Agriculture.

FREDERICKSON, ARNOLD GERHARD, Wamamingo, Engineering.

GIESE, CLAYTON F., Minneapolis, Physics.

HANSON, ROLAND C., Barnum, Physics.

HOLMES, JOHN C., South St. Paul, Zoology.

LARSON, DAVID C., Cloquet, Physics.

LAURANCE, NEAL L., Winsted, Physics.

MARCUS, ERICH, Minneapolis, Chemistry.

MIZUNO, NOBUKO S., St. Paul, Biochemistry.

NELSON, RODNEY A., Minneapolis, Engineering.

PIERCE, RICHARD LEROY, Minneapolis, Botany.

RICE, DAVID E., Northfield, Chemistry.

SPERLING, SALLY E., Minneapolis, Psychology.

WADE, WARREN F., Minneapolis, Engineering.

#### MISSISSIPPI

##### PREDOCTORAL

BLACKWELL, NOAH E., III, Plantersville, Engineering.

CARPENTER, WILL D., Moorhead, Botany.

CORLEY, KELLY O., Clinton, Chemistry.

ELLARD, JAMES A., Pittsboro, Chemistry.

FLAUTT, THOMAS J., JR., Sidon, Chemistry.

GARST, JOHN F., Vicksburg, Chemistry.

SMYLIE, JOHN W., Brookhaven, Engineering.

ZACHRY, JAMES B., Lena, Chemistry.

#### MISSOURI

##### POSTDOCTORAL

BRADLEY, S. GAYLEN, Springfield, Microbiology.

##### PREDOCTORAL

CANTWELL, R. MURRAY, St. Louis, Physics.

COHEN, GERALD ALLEN, University City, Engineering.

DOWNES, WILLIAM L., JR., Shewsbury, Zoology.

DREITLEIN, JOSEPH F., Ferguson, Physics.

GRUEN, LISE, Kansas City, Chemistry.

HAAS, PAUL A.,<sup>1</sup> Rolla, Engineering.

HALLOF, PHILIP G., Kirkwood, Earth Sciences.

HIGDON, DONALD T., Kansas City, Engineering.

KREBS, JAMES J., Kirkwood, Physics.

LOWE, IRVING J., St. Louis, Physics.

MEAD, C. ALDEN, Webster Groves, Chemistry.

O'CONNOR, RODNEY J., Jackson, Chemistry.

OEN, ORDEAN S., Columbia, Physics.

SCHANUEL, STEPHEN H., Kirkwood, Mathematics.

SHORT, NICHOLAS M., University City, Earth Sciences.

STOUT, GEORGE H.,<sup>1</sup> St. Louis, Chemistry.

THOMPSON, JOHN G., Jefferson City, Mathematics.

WIESMEYER, HERBERT, St. Louis, Microbiology.

#### NEBRASKA

##### PREDOCTORAL

DAVIS, ROBERT J., Omaha, Astronomy.

DOMINGO, JOHN J.,<sup>1</sup> Weeping Water, Physics.

EICHER, DON L., Lincoln, Earth Sciences.

HAGSTROM, STANLEY A., Omaha, Chemistry.

JOHNSTON, RALPH C., Fremont, Engineering.

SCHELKOPF, RUSSELL L., Geneva, Zoology.

WEINBERG, GERALD M., Omaha, Physics.

YOS, JERROLD M., Lincoln, Physics.

#### NEW HAMPSHIRE

##### PREDOCTORAL

AYER, DONALD E., Bradford, Chemistry.

FITTS, DONALD D., Keene, Chemistry.

JOHNSON, FREDERIC A., Concord, Chemistry.

<sup>1</sup> Declined.

## NEW JERSEY

## POSTDOCTORAL

BRESLOW, RONALD C. D.,<sup>1</sup> Rahway, Chemistry.

FULTON, THOMAS, Princeton, Physics.

GRIFFITH, WAYLAND C., Princeton, Physics.

## PREDOCTORAL

ANDERSEN, KENNETH K., Fords, Chemistry.

ARTIN, MICHAEL, Princeton, Mathematics.

BROWER, LINCOLN P., Madison, Zoology.

CIECIUCH, RONALD F. W., Jersey City, Chemistry.

CLARK, ALVIN J., Morristown, Chemistry.

EHRlich, PAUL R., Maplewood, Zoology.

FEDERBUSH, PAUL G., Newark, Physics.

FLORANCE, EDWIN T., Summit, Physics.

GREENBERG, OSCAR W.,<sup>1</sup> Newark, Physics.

HARRIS, NELLIE R., Port Norris, Medical Science.

KNOX, ROBERT S., Newton, Physics.

LEMAL, DAVID M., Fanwood, Chemistry.

MACKEY, JOHN H., JR., Gloucester, Physics.

PARE', VICTOR K., Woodbury, Physics.

PARSONS, THOMAS S., Ridgewood, Zoology.

PURDY, ROBERT H., Summit, Medical Sciences.

REINKEN, DONALD L., Plainfield, Mathematics.

ROSEN, GERALD H., Teaneck, Physics.

RUSCH, WILLARD V., Lambertville, Engineering.

SAGAN, CARL E., Rahway, Physics.

SCHNITZER, HOWARD J., Newark, Physics.

SIBILIA, JOHN T., Newark, Physics.

STEINBERG, MALCOLM S., Highland Park, Zoology.

SWAN, RICHARD G., Boonton, Mathematics.

VAN BLERKOM, RICHARD, Westfield, Physics.

WARTER, PETER J., JR., Trenton, Engineering.

WILLIAMS, FORMAN A.,<sup>1</sup> Milltown, Engineering.

<sup>1</sup> Declined.

WOJTOWICZ, PETER J., Linden, Chemistry.

ZANET, PAUL M., Clifton, Chemistry.

## NEW MEXICO

## PREDOCTORAL

AGNEW, LEWIS E., JR., Portales, Physics.

KANE, WALTER R., Los Alamos, Physics.

PHILLIPS, JAMES C.,<sup>1</sup> Albuquerque, Physics.

SIEGMAN, ANTHONY E., Wagon Mound, Engineering.

## NEW YORK

## POSTDOCTORAL

BEARMAN, RICHARD J., New York, Chemistry.

BRODISH, ALVIN, Flushing, Zoology.

DESER, STANLEY, Brooklyn, Physics.

FELSENFELD, GARY, New York, Chemistry.

HERMAN, ROBERT, Brooklyn, Mathematics.

STEIN, ELIAS M., New York, Mathematics.

ZEMACH, ARIEL C., New York, Physics.

## PREDOCTORAL

ABRAMSON, LEE R., New York, Mathematics.

BACH, MICHAEL K., Flushing, Biochemistry.

BARREKETTE, EUVAL S.,<sup>1</sup> Brooklyn, Engineering.

BAUM, LEONARD E., Brooklyn, Mathematics.

BEARD, ROBERT G., Oswego, Zoology.

BEEBE, PHYLLIS W., Kenmore, Genetics.

BENSON, ARNOLD M., New York, Engineering.

BLOCK, CLIFFORD H.,<sup>1</sup> Kenmore, Psychology.

BRILLIANT, MARTIN B., Brooklyn, Engineering.

CIOFFI, FRANK S.,<sup>1</sup> New York, Psychology.

COHEN, PAUL J., Brooklyn, Mathematics.

COHEN, WILLIAM C., Brooklyn, Engineering.

CONDON, PAUL E., Corning, Physics.

CONTI, JAMES J., Brooklyn, Engineering.

- DELLA TORRE, EDWARD, Bronx, Engineering.
- DETENBECK, ROBERT W., Kenmore, Physics.
- DEWEY, WADE G., Ithaca, Agriculture.
- DINSMORE, GEORGE H., Jr., Ridgewood, Mathematics.
- DRACHMAN, RICHARD J., Brooklyn, Physics.
- DROUILHET, PAUL R., Jr.,<sup>1</sup> Poughkeepsie, Engineering.
- ENNIS, HERBERT L., Brooklyn, Microbiology.
- ERNST, FREDERICK J., Jr., Ardsley, Physics.
- ESTRIN, JOSEPH, Brooklyn, Engineering.
- EVENS, LEONARD,<sup>1</sup> Brooklyn, Mathematics.
- FEINBERG, GERALD, New York, Physics.
- FILLENBAUM, SAMUEL, Brooklyn, Psychology.
- FLEISCHMAN, JULIAN B., New York, Biochemistry.
- FRIEDMAN, SHEILA, Amityville, Microbiology.
- FURSTENBERG, HARRY, New York, Mathematics.
- GARDNER, WILLIAM CECIL, Niagara Falls, Chemistry.
- GERSHENSON, HILLEL H., New York, Chemistry.
- GLASHOW, SHELDON L., New York, Physics.
- GOLDBERG, ABRAHAM, Staten Island, Physics.
- GOLDFINE, HOWARD,<sup>1</sup> Brooklyn, Biochemistry.
- GOLDSTEIN, MELVIN J., New York, Chemistry.
- GORDON, MALCOLM S., Brooklyn, Zoology.
- GREENBERGER, MARTIN H., Staten Island, Engineering.
- HARRIS, MORTON E., Brooklyn, Mathematics.
- HELFAND, EUGENE, Brooklyn, Chemistry.
- HELLER, PETER, New York, Physics.
- HOROWITZ, SAMUEL B., New York, Zoology.
- HORSTEIN, MICHAEL, Brooklyn, Engineering.
- KATZ, MYRON, Jamaica, Engineering.
- KAYE, GORDON I., Brooklyn, Zoology.
- KITTIVER, LAWRENCE I.,<sup>1</sup> Brooklyn, Engineering.
- KLEE, WERNER A.,<sup>1</sup> New York, Biochemistry.
- KLOTZ, TILLA S., New York, Mathematics.
- KNETTLES, MARY E., Terrytown, Microbiology.
- KOHLs, CARL W., Rochester, Mathematics.
- KOHN, JOSEPH J., New York, Mathematics.
- KOLENKOW, ROBERT J.,<sup>1</sup> Niagara Falls, Physics.
- KRISHER, LAWRENCE C., Livonia, Chemistry.
- LACKS, SANFORD A.,<sup>1</sup> Albany, Zoology.
- LANSBURY, PETER T., New York, Chemistry.
- LEW, JOHN S., Larchmont, Physics.
- LITTAU, VIRGINIA C., New York, Biochemistry.
- LOEBENSTEIN, ELI S., New York, Mathematics.
- LUBKIN, ELIHU, Brooklyn, Physics.
- LYNCH, EUGENE J. M., LaFayette, Physics.
- MARCUS, DANIEL H., New York, Engineering.
- MCCLURE, JAMES D.,<sup>1</sup> Glen Cove, Chemistry.
- MCCUMBER, DEAN E., Rochester, Engineering.
- METZNER, JOHN J., Flushing, Engineering.
- MIX, THOMAS W., New York, Engineering.
- ORNSTEIN, DONALD S., Harrison, Mathematics.
- PALEY, HIRAM, Rochester, Mathematics.
- PEARLMAN, ROBERT, Long Beach, Mathematics.
- PEDERSEN, CHARLES R., Brooklyn, Engineering.
- RAUSCHER, HERBERT E., Troy, Chemistry.
- REITMAN, WALTER R., New York, Psychology.
- RICHTER, ALAN,<sup>1</sup> Brooklyn, Genetics.

<sup>1</sup> Declined.  
<sup>2</sup> Withdrew.

<sup>1</sup> Declined.

**RICHTER, DONALD L.**, Brooklyn, Mathematics.  
**ROCKMORE, RONALD M.**, Brooklyn, Physics.  
**RODRIGUEZ, DAVID A.**, New Rochelle, Engineering.  
**ROSEN, STANLEY S.**, Bronx, Engineering.  
**ROSLER, LAWRENCE**, Brooklyn, Physics.  
**ROTHMAN, DAVID**, Bronx, Mathematics.  
**RUBIN, ISRAEL E.**, Brooklyn, Engineering.  
**SAGE, MARTIN LEE**, New York, Chemistry.  
**SANTORO, ANGELO V.**, Brooklyn, Chemistry.  
**SCHAFFER, BERTRAM J.**, Brooklyn, Physics.  
**SCHRIER, ALLAN M.**, New York, Psychology.  
**SCHWARTZ, MELVIN**, New York, Physics.  
**SHAKIN, CARL**,<sup>1</sup> New York, Physics.  
**SHAW, RICHARD P.**, Queens Village, Engineering.  
**SICK, WILSON W., JR.**,<sup>1</sup> Hornell, Engineering.  
**SILVER, MARC S.**, New Rochelle, Chemistry.  
**SIMPSON, ROBERT E.**, Kenmore, Physics.  
**SINGER, ESTELLE S.**, New York, Psychology.  
**SOMMERFIELD, CHARLES M.**, Brooklyn, Physics.  
**SPIEGEL, EDWARD A.**, New York, Astronomy.  
**STARK, GEORGE R.**, New York, Biochemistry.  
**STEIN, NORMAN B.**, Laurelton, Mathematics.  
**STEIN, SIDNEY**, New York, Engineering.  
**STILLINGER, FRANK H.**, Scarsdale, Chemistry.  
**TAUSNER, MENASHA J.**, Bronx, Physics.  
**VICTOR, URSULA V.**, Pleasantville, Genetics.  
**WACHTEL, ALLEN W.**, Irvington, Biochemistry.  
**WASSERMAN, EDEL**, Brooklyn, Chemistry.  
**WEINBERG, STEVEN**, New York, Physics.  
**WEINGRAM, STEPHEN**, New York, Mathematics.  
**WEISBACH, JERRY A.**, Brooklyn, Chemistry.  
**WELLS, WALLACE P.**, Batavia, Psychology.

## NORTH CAROLINA

## PREDOCTORAL

**BRANTLY, EUGENE P.**, Raleigh, Engineering.  
**CARTERETTE, EDWARD C.**, Tabor City, Psychology.  
**COGGINS, CHARLES W., JR.**, Crouse, Botany.  
**DAVIS, GEORGE T.**, High Point, Chemistry.  
**FISHER, WILLIAM D.**,<sup>1</sup> Roxboro, Zoology.  
**HEATH, ROBERT W.**, Chapel Hill, Mathematics.  
**LEWIS, DONALD E.**, Gastonia, Biochemistry.  
**SUMNER, THOMAS H.**, Asheville, Mathematics.  
**WALTERS, GEOFFREY K.**, Durham, Physics.  
**YOW, FRANCIS W.**, Asheville, Zoology.

## NORTH DAKOTA

## PREDOCTORAL

**ADLER, JULIUS**, Grand Forks, Biochemistry.  
**BAUMANN, DWIGHT M.**, Ashley, Engineering.  
**BUELOW, FREDERICK H.**,<sup>1</sup> Drake, Engineering.  
**PARKER, DAVID J.**, Fargo, Chemistry.

## OHIO

## POSTDOCTORAL

**SCARPELLI, DANTE G.**, Columbus, Medical Science.

## PREDOCTORAL

**BAPTIST, JAMES N.**, Olmsted Falls, Biochemistry.  
**BROWN, HENRY T.**, Cincinnati, Engineering.  
**BURFORD, ARTHUR E.**, Lakewood, Earth Sciences.  
**BUTLER, JAMES NEWTON**, Lakewood, Chemistry.  
**CLARK, THOMAS J.**, St. Marys, Chemistry.  
**CRUM, RALPH G.**, Youngstown, Engineering.  
**DANIELS, EDWARD G.**, Lorain, Chemistry.  
**DEUTSCH, THOMAS F.**, Shaker Heights, Engineering.

<sup>1</sup> Declined.

EHRENFELD, JOHN R., Cincinnati, Engineering.  
 FARRAND, WILLIAM R.,<sup>1</sup> Columbus, Earth Sciences.  
 FEIL, JOSEPH N., Cuyahoga Falls, Engineering.  
 FIFE, WILMER K., Dellroy, Chemistry.  
 FLANAGAN, PAT W. K., Dayton, Chemistry.  
 GARWIN, EDWARD L., Cleveland, Physics.  
 GORDON, JOHN E., Columbus, Chemistry.  
 HARNEY, DONALD J., Wright-Patterson AFB, Engineering.  
 HARRISON, WALTER A., Toledo, Physics.  
 HOLDEN, ELLSWORTH J., JR., Cleveland, Physics.  
 HUFF, ROBERT W., Canton, Physics.  
 KASNER, WILLIAM H., Killbuck, Physics.  
 KING, MONIQUE V., Cleveland, Chemistry.  
 LAWRENCE, LOIS C., Cincinnati, Psychology.  
 LENHERT, P. GALEN, Arcanum, Chemistry.  
 LONGMIRE, MARTIN S., Glendale, Chemistry.  
 LOWENSTEIN, CARL D., Kent, Physics.  
 MUSKAT, JOSEPH B., Marietta, Mathematics.  
 PRANGE, RICHARD E., Berea, Physics.  
 RAINEY, BYRON P.,<sup>1</sup> Georgetown, Physics.  
 REBKA, GLEN A., JR., Cincinnati, Physics.  
 REED, NANCY L., Middletown, Chemistry.  
 RILLING, HANS CHRISTOPHER, Findlay, Chemistry.  
 ROHNER, SR. MARY CHRISTOPHER, Cleveland, Zoology.  
 ROSENSWEIG, RONALD E., Cincinnati, Engineering.  
 RYEBURN, DAVID, Goshen, Mathematics.  
 SAUER, KENNETH H., East Cleveland, Chemistry.  
 SILVERMAN, ROBERT, Columbus, Mathematics.  
 WICHNER, ROBERT P.,<sup>1</sup> Cincinnati, Engineering.  
 YOUNG, ANDREW T., Massillon, Astronomy.

OKLAHOMA

PREDOCTORAL

ARNOLD, GAIL, Fairfax, Zoology.  
 BARRETT, HAROLD E., JR., Tulsa, Biochemistry.

<sup>1</sup> Declined.

BRADFORD, REAGAN H., Lawton, Biochemistry.  
 BROOKS, MARGARET H., Stillwater, Genetics.  
 BRUNER, LEON J., Ponca City, Physics.  
 DABNEY, JOE M., Oklahoma City, Medical Science.  
 ESSLINGER, JACK H., Oklahoma City, Zoology.  
 HAMILTON, PAT B., Haskell, Microbiology.  
 HEDGES, FRANK, Stillwater, Engineering.  
 LANE, CHARLES A., Oklahoma City, Biochemistry.  
 MCCUNE, JAMES E., Tulsa, Engineering.  
 SOULE, MALCOLM S., Oklahoma City, Engineering.

OREGON

PREDOCTORAL

BUDDENHAGEN, IVAN W., Corvallis, Botany.  
 DICK, BERTRAM G., JR., Portland, Physics.  
 KIND, PHYLLIS D., Portland, Microbiology.  
 MCNEIL, WILLIAM JOHN,<sup>1</sup> Corvallis, Zoology.  
 NYBERG, DAVID D., Corvallis, Chemistry.  
 OHLSEN, GERALD G., Springfield, Physics.  
 SKIENS, WILLIAM E., Burns, Chemistry.  
 SKINNER, RICHARD E., Milwaukie, Physics.  
 WHEELER, NICHOLAS A., The Dalles, Mathematics.

PENNSYLVANIA

POSTDOCTORAL

COTTON, FRANK A.,<sup>1</sup> Philadelphia, Chemistry.  
 FELDMAN, JACOB, Philadelphia, Mathematics.  
 KREEVOY, MAURICE M., State College, Chemistry.  
 MUDD, STUART HARVEY, Haverford, Biochemistry.  
 TEUTSCH, WERNER B., Philadelphia, Physics.

PREDOCTORAL

ALEXEFF, IGOR, Pittsburgh, Physics.  
 ATLAS, HENRY, Philadelphia, Physics.  
 BRIDGES, JOANNE M., McKees Rocks, Chemistry.

<sup>1</sup> Declined.

- CLARK, HAROLD B.,<sup>1</sup> Huntingdon, Engineering.
- CURTIS, RICHARD B., Ardmore, Physics.
- DAVIS, EDWARD D., Philadelphia, Physics.
- DAVIS, EDWARD M., JR.,<sup>1</sup> Pittsburgh, Engineering.
- DESSY, RAYMOND E., Blawnox, Chemistry.
- DI MARZIO, EDMUND A., Philadelphia, Physics.
- DUGAN, GENEVIEVE E., Bethlehem, Psychology.
- EUWEMA, ROBERT N., State College, Physics.
- FELBECK, GEORGE T., JR., Wernersville, Agriculture.
- FOLK, ROBERT T., Allentown, Physics.
- GLARUM, SIVERT H., Wyncote, Chemistry.
- GOLLUB, LEWIS R., Philadelphia, Psychology.
- GOUTERMAN, MARTIN P., Philadelphia, Biophysics.
- GREEN, PAUL B.,<sup>1</sup> Bala-Cynwyd, Botany.
- GREENER, ALAN E., Erie, Physics.
- JOHNSON, LEON J., State College, Agriculture.
- JOHNSON, NEIL R., McKeesport, Engineering.
- KAUFFMAN, MARVIN E., Lancaster, Earth Sciences.
- LANG, L. GEORGE, Pittsburgh, Physics.
- LANGER, JAMES S.,<sup>1</sup> Pittsburgh, Physics.
- LOUX, HARVEY M., Sellersville, Chemistry.
- LOVE, WILLIAM A., Pittsburgh, Physics.
- LUKENS, LEWIS N., Philadelphia, Biochemistry.
- MCILVRIED, HOWARD G., III, Pittsburgh, Engineering.
- MILEY, GEORGE H., II, Petrolia, Engineering.
- MISNER, CHARLES W., Pittsburgh, Physics.
- MORRIS, ROBERT L., Philadelphia, Engineering.
- MULLHAUPT, JOSEPH T., Warren, Chemistry.
- MUNSON, RONALD A., Lancaster, Chemistry.
- NEIDHARDT, FREDERICK C., Bucks County, Microbiology.
- NEWELL, WILLIAM E., Sharon, Engineering.
- NORTON, RICHARD E., Philadelphia, Physics.
- O'LEARY, WILLIAM M., Pittsburgh, Microbiology.
- OLENICZAK, ALBERT T., Philadelphia, Engineering.
- OLSON, JOHN M., Philadelphia, Biophysics.
- REIBEL, KURT, Philadelphia, Physics.
- ROMBERGER, JOHN A., Hershey, Botany.
- SHAPIRO, GILBERT, Philadelphia, Physics.
- SIMMONS, VIOLET E., Philadelphia, Chemistry.
- SOLO, ALAN J., Philadelphia, Chemistry.
- SORENSEN, RAYMOND A., Pittsburgh, Physics.
- SWIFT, MICHAEL R., Swarthmore, Mathematics.
- TEMIN, HOWARD M., Philadelphia, Genetics.
- WAITE, THOMAS R., Pittsburgh, Chemistry.
- WOLL, JOHN WILLIAM, JR., Newtown, Mathematics.
- ZENER, JOHN R., Pittsburgh, Physics.

## RHODE ISLAND

## PREDOCTORAL

- EKSTROM, LINCOLN, Providence, Chemistry.
- MARTINS, GEORGE F., East Providence, Chemistry.
- MURPHY, EDWARD L., Cranston, Physics.
- PALMIERI, JOSEPH N., Providence, Physics.

## SOUTH CAROLINA

## PREDOCTORAL

- GEORGE, RHETT T., JR., Anderson, Engineering.
- LAURIE, VICTOR W., Columbia, Chemistry.
- SAGE, ANDREW P., JR., Charleston, Engineering.

## SOUTH DAKOTA

## PREDOCTORAL

- COLLINS, PAUL E., Brookings, Agriculture.
- HYDE, RICHARD M., Pierre, Microbiology.

<sup>1</sup> Declined.

## TENNESSEE

## PREDOCTORAL

- CHADWELL, ANDREW J., JR., Knoxville, Chemistry.  
 COX, JAMES R. JR., Nashville, Chemistry.  
 DUPREE, THOMAS H., Knoxville, Physics.  
 DURAND, LOYAL, III, Knoxville, Physics.  
 GROSS, BENJAMIN H., Chattanooga, Chemistry.  
 JENSEN, DONALD R.,<sup>1</sup> Goodlettsville, Agriculture.  
 MARTIN, MICHAEL M., Nashville, Chemistry.  
 SCOTT, DAN W., Oak Ridge, Physics.  
 STOCKELL, ANNE, Nashville, Biochemistry.

## TEXAS

## POSTDOCTORAL

- HUMMEL, JAMES A., Houston, Mathematics.  
 MARION, JERRY B., Houston, Physics.

## PREDOCTORAL

- AGOSTA, WILLIAM C., Dallas, Chemistry.  
 AUTREY, ROBERT L., Houston, Chemistry.  
 CURL, ROBERT F., JR., San Antonio, Chemistry.  
 GIBBONS, JAMES F.,<sup>1</sup> Texarkana, Engineering.  
 HAM, RICHARD GEORGE, Austin, Biochemistry.  
 HILLIARD, JOHN R., JR., San Antonio, Zoology.  
 JOLLEY, RUSSELL L., JR., Houston, Biochemistry.  
 LE BLANC, OLIVER H., JR., Beaumont, Chemistry.  
 MAGEE, ELLINGTON M., San Augustine, Chemistry.  
 MIMS, JONNIE E., Falfurrias, Biochemistry.  
 MITCHELL, BERNARD L., Beaumont, Engineering.  
 PARKER, HARRY W., Tulia, Engineering.  
 PONDROM, LEE G., Dallas, Physics.  
 YOUNG, ROBERT C.,<sup>1</sup> San Antonio, Physics.

## UTAH

## POSTDOCTORAL

- CANNELL, LAWRENCE G., Smithfield, Chemistry.  
 SELANDER, ROBERT K.,<sup>1</sup> Salt Lake City, Zoology.

## PREDOCTORAL

- ANDERSON, CLAIR KEITH, Ogden, Earth Sciences.  
 GRANT, DAVID M., Salt Lake City, Chemistry.  
 HARRISON, BERTRAND K., Spanish Fork, Physics.  
 SAGERS, RICHARD D., Tooele, Microbiology.  
 SNOW, RICHARD L., Salt Lake City, Chemistry.  
 SORENSON, JOHN L., Provo, Anthropology.  
 WALKER, LEROY H., Midvale, Engineering.

## VERMONT

## PREDOCTORAL

- FRIGERIA, NORMAN A., Lyndonville, Biochemistry.  
 WOODWORTH, ROBERT C., Bennington, Chemistry.

## VIRGINIA

## PREDOCTORAL

- BARKER, JOHN G., Radford, Zoology.  
 BARRON, ROGER L., Springfield, Engineering.  
 BENTLEY, S. BAYNE, Urbanna, Physics.  
 BOYDEN, JAMES H., Wytheville, Physics.  
 DARNELL, WALTER T., Harrisonburg, Engineering.  
 DUFORT, ROBERT H., Richmond, Psychology.  
 EVERETT, HUGH, III, Alexandria, Physics.  
 HEATWOLE, HAROLD F., Waynesboro, Zoology.  
 JENKINS, W. TERRY, Yorktown, Biochemistry.  
 LYON, RICHARD K., Arlington, Chemistry.  
 PUBOLS, BENJAMIN H., JR., Arlington, Psychology.  
 SNIDER, PHILIP J., JR., Richmond, Botany.  
 ZUCHELLI, A. JOSEPH, JR., Charlottesville, Physics.

## WASHINGTON

## POSTDOCTORAL

- CAMPBELL, BYRON, Seattle, Psychology.  
 HAWTHORNE, DONALD C., Olympia, Microbiology.  
 HUGHES, DANIEL R., Bothell, Mathematics.

<sup>1</sup> Declined.

KRAFT, ROBERT P., Edmonds, Astronomy.  
LAWRENCE, DOUGLAS H., Everett, Psychology.

## PREDOCTORAL

ANDERSON, LOWELL L., Spokane, Biophysics.  
ANEX, BASIL G., Seattle, Chemistry.  
FAHEY, DENNIS M., Walla Walla, Chemistry.  
FERNEA, ROBERT A., Vancouver, Anthropology.  
FREEMAN, MARK P., Seattle, Chemistry.  
FUJIOKA, GEORGE S., Seattle, Chemistry.  
HAWTHORN, ROBERT D., Seattle, Engineering.  
KEPPLER, BELVA H., Garfield, Earth Sciences.  
KING, JAMES R., Pullman, Zoology.  
KLUKSDAHL, HARRIS E., Stanwood, Chemistry.  
MANWELL, CLYDE P., Seattle, Zoology.  
MINTON, ROBERT G., Ellensburg, Chemistry.  
MORRISON, CHARLES F., JR., Zillah, Chemistry.  
REHFUSS, DONALD E., North Bonneville, Physics.  
WARE, JUDITH C., Vancouver, Chemistry.  
WILSON, LAURENCE E., Seattle, Chemistry.

## WEST VIRGINIA

## PREDOCTORAL

CAZIN, JOHN, JR., Follansbee, Microbiology.

## WISCONSIN

## POSTDOCTORAL

BATTIG, WILLIAM F., Wauwatosa, Psychology.  
DAHLER, JOHN S., Madison, Chemistry.  
MORTON, NEWTON, E.,<sup>1</sup> Madison, Genetics.  
SILVERSMITH, ERNEST F., Madison, Chemistry.  
TOSTESON, DANIEL C.,<sup>1</sup> Wauwatosa, Medical Sciences.

<sup>1</sup> Declined.

## PREDOCTORAL

ANDERSON, NORMAN H., Madison, Psychology.  
BLATNER, ROBERT J., Milwaukee, Mathematics.  
BOWMAN, ROBERT E., Madison, Psychology.  
BROWN, FREDERICK G., Madison, Psychology.  
DARLING, STEPHEN D., Appleton, Chemistry.  
FRAUTSCHI, STEVEN C., Madison, Physics.  
HORGAN, JAMES D., Wauwatosa, Engineering.  
HUMBERT, JOHN W.,<sup>1</sup> Kohler, Engineering.  
JOHNSRUD, ALAN E., Manitowoc, Physics.  
KADLEC, JOHN A.,<sup>1</sup> Racine, Zoology.  
KALBUS, BARBARA H., Manitowoc, Botany.  
MCKIBBINS, SAMUEL W., West Allis, Engineering.  
NELSON, CANDEN R., Evansville, Engineering.  
RIESE, JEROME W., Kaukauna, Physics.  
SALISBURY, STANLEY R., Milwaukee, Physics.  
SCHROTH, STANLEY E., Appleton, Psychology.  
SILBERT, MYRON G., Milwaukee, Physics.  
SOBOTKA, STANLEY E., Ellsworth, Physics.  
WALECKA, JOHN DIRK, Wauwatosa, Chemistry.

## WYOMING

## PREDOCTORAL

KLEINDIENST, MAXINE R., Superior, Anthropology.  
TALBERT, WILLARD L., Jr., Casper, Physics.

## HAWAII

## PREDOCTORAL

HU, ALFRED S. L., Honolulu, Zoology.  
MURASHIGE, TOSHIO, Hilo, Botany.



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

<i>Institution and Location</i>	<i>Number of fellows attending As under-graduates</i>	<i>Number of fellows attending As graduate students</i>	<i>Institution and Location</i>	<i>Number of fellows attending As under-graduates</i>	<i>Number of fellows attending As graduate students</i>
Abilene Christian College, Abilene, Tex	1	1	Capital University, Columbus, Ohio	1	1
Amherst College, Amherst, Mass	5	5	Carleton College, Northfield, Minn	3	3
Antioch College, Yellow Springs, Ohio	1	1	Carnegie Institute of Technology, Pittsburgh, Pa	13	10
Arizona State College, Tempe, Ariz	2	2	Case Institute of Technology, Cleveland, Ohio	6	1
Asheville-Biltmore College, Asheville, N. C	1	1	Catholic University, Washington, D. C	1	1
Atlantic Union College, South Lancaster, Mass	1	1	Central College, Pella, Iowa	2	2
Augsburg College, Minneapolis, Minn	1	1	Central Washington College of Education, Ellensburg, Wash	1	1
Augustana College, Rock Island, Ill	1	1	Citadel, Charleston, S. C	1	1
Bakersfield College, Bakersfield, Calif	1	1	City College of New York, New York, N. Y	9	9
Baldwin-Wallace College, Berea, Ohio	1	1	Clarke Memorial College, Newton, Miss	1	1
Balliol College, Oxford, England	2	2	Colby College, Waterville, Maine	1	1
Barnard College, New York, N. Y	1	1	College of Puget Sound, Tacoma, Wash	1	1
Beloit College, Beloit, Wis	1	1	College of the Sequoias, Visalia, Calif	1	1
Bemidji State Teachers College, Bemidji, Minn	1	1	College of William and Mary, Williamsburg, Va	2	2
Bethany-Peniel College, Bethany, Okla	1	1	College of Wooster, Wooster, Ohio	2	2
Bob Jones University, Greenville, S. C	1	1	Colorado Agricultural and Mechanical College, Fort Collins, Colo	4	4
Boston College, Chestnut Hill, Mass	1	1	Colorado College, Colorado Springs, Colo	1	1
Boston University, Boston, Mass	3	3	Columbia University, New York, N. Y	12	30
Bowdoin College, Brunswick, Maine	1	1	Compton College, Compton, Calif	1	1
Bradford Durfee Technical Institute, Fall River Mass	1	1	Concord College, Athens, West Va	1	1
Brigham Young University, Provo, Utah	3	3	Concordia College, Moorhead, Minn	2	2
Brooklyn College, Brooklyn, N. Y	7	7	Cooper Union, School of Engineering, New York, N. Y	3	3
Brown University, Providence, R. I	6	6	Cornell University, Ithaca, N. Y	21	14
Bryn Mawr College, Bryn Mawr, Pa	1	1	Dartmouth College, Hanover, N. H	1	1
California Institute of Technology, Pasadena, Calif	18	32	Delft Technical University, Delft, Netherlands	1	1
Calvin College, Grand Rapids, Mich	1	1			
Cameron State Agricultural College, Lawton, Okla	1	1			

<i>Institutions attended by National Science Foundation Fellows as Undergraduates and Graduate Students—Continued</i>		<i>Institution and Location</i>		<i>Number of fellows attending</i>		<i>Number of fellows attending</i>	
<i>As under-</i>	<i>As graduate</i>	<i>As under-</i>	<i>As graduate</i>	<i>As under-</i>	<i>As graduate</i>	<i>As under-</i>	<i>As graduate</i>
<i>graduates</i>	<i>students</i>	<i>graduates</i>	<i>students</i>	<i>graduates</i>	<i>students</i>	<i>graduates</i>	<i>students</i>
1	1	Illinois Institute of Technology, Chicago, Ill.	3	1			
1	1	DePaul University, Greencastle, Ind.					
2	2	Drake University, Des Moines, Iowa					
3	3	Drexel Institute of Technology, Philadelphia, Pa.					
4	6	Duke University, Durham, N. C.					
1	1	East Stroudsburg State Teacher's College, Stroudsburg, Pa.					
1	1	El Camino College, El Camino College, Calif.					
	2	Emory University, Emory University, Ga.	7	12			
1	1	Fisk University, Nashville, Tenn.	1	1			
1	3	Florida State University, Tallahassee, Fla.					
	1	Fordham University, New York, N. Y.					
2	2	Franklin and Marshall College, Lancaster, Pa.					
3	3	George Washington University, Washington, D. C.					
	1	Georgia Institute of Technology, Atlanta, Ga.					
	1	Gettysburg College, Gettysburg, Pa.					
	1	Goshen College, Goshen, Ind.					
1	1	Gustavus Adolphus College, St. Peter, Minn.					
1	1	Hamline University, St. Paul, Minn.					
1	1	Hanover College, Hanover, Ind.					
47	112	Harvard University, Cambridge, Mass.					
2	2	Haverford College, Haverford, Pa.					
1	1	Hershey Junior College, Hershey, Pa.					
1	1	Herzel Junior College, Chicago, Ill.					
1	1	Hofstra College, Hempstead, N. Y.					
1	1	Hope College, Holland, Mich.					
1	1	Howard College, Birmingham, Ala.					
2	2	Hunter College, New York, N. Y.					
		Imperial College of Science and Technology, London, England					
		Indiana University, Bloomington, Ind.					
		Institute for Advanced Study, Princeton, N. J.					
		Institute for Theoretical Physics, Copenhagen, Denmark					
		Instituto de Matematicas, Mexico City, Mexico*					
		Iowa State College, Ames, Iowa					
		Jersey City Junior College, Jersey City, N. J.					
		John Carroll University, Cleveland, Ohio*					
		Johns Hopkins University, Baltimore, Md.					
		John Muir College, Pasadena, Calif.					
		Joliet Junior College, Joliet, Ill.					
		Kalamazoo College, Kalamazoo, Mich.					
		Kansas State Teachers College, Emporia, Kans.					
		Kent State University, Kent, Ohio					
		Kentucky Wesleyan College, Winchester, Ky.					
		Kenyon College, Gambier, Ohio					
		Knox College, Galesburg, Ill.					
		Lafayette College, Easton, Pa.					
		Lamar State College of Technology, Beaumont, Tex.					
		Landbouwhogeschool, Wageningen, Holland					
		LaSalle College, Philadelphia, Pa.					
		Lehigh University, Bethlehem, Pa.					
		Los Angeles City College, Los Angeles, Calif.					
		Louisiana Polytechnic Institute, Ruston, La.					

Louisiana State University, Baton Rouge, La.	5	2	Newark College of Engineering, Newark, N. J.	1
Loyola University, Chicago, Ill.	1	---	New Jersey State Teachers College, Montclair, N. J.	1
Magdalene College, Cambridge, England	1	---	New York University, New York, N. Y.	7
Manhattan College, New York, N. Y.	2	---	North Carolina State College of Agriculture and Engineering, Raleigh, N. C.	3
Mankato State Teachers College, Mankato, Minn.	1	---	North Dakota Agricultural College, State College, N. Dak.	2
Marietta College, Marietta, Ohio	1	---	Northeastern State College, Tahlequah, Okla.	1
Marine Biological Laboratory, Woods Hole, Mass. *	---	4	Northeastern University, Boston, Mass.	2
Marquette University, Milwaukee, Wis.	4	3	Northern Oklahoma Junior College, Tonkawa, Okla.	1
Mars Hill College, Mars Hill, N. C.	1	---	Northwest Nazarene College, Nampa, Idaho	1
Massachusetts General Hospital, Boston, Mass.	---	1	Northwestern University, Evanston, Ill.	15
Massachusetts Institute of Technology, Cambridge, Mass.	30	61	Notre Dame College, Cleveland, Ohio	1
Mesa Junior College, Grand Junction, Colo.	1	---	Oberlin College, Oberlin, Ohio	7
Messiah College, Grantham, Pa.	1	---	Ohio State University, Columbus, Ohio	6
Miami University, Oxford, Ohio	3	---	Ohio University, Athens, Ohio	1
Michigan College of Mining and Technology, Houghton, Mich.	3	---	Ohio Wesleyan University, Delaware, Ohio	1
Michigan State College, East Lansing, Mich.	3	2	Oklahoma Agricultural and Mechanical College, Stillwater, Okla.	4
Middlebury College, Middlebury, Vt.	2	---	Oregon State College, Carvallis, Oreg.	5
Mississippi College, Clinton, Miss.	2	---	Oxford University, Oxford, England	1
*Summer session only.	---	---	Park College, Parkville, Mo.	1
Mississippi State College, State College, Miss.	4	---	Pasadena City College, Pasadena, Calif.	2
Missouri School of Mines, Rolla, Mo.	2	---	Pembroke College, Cambridge, England	1
Montana State University, Missoula, Mont.	2	1	Pennsylvania College for Women, Pittsburgh, Pa.	1
Morton Junior College, Cicero, Ill.	1	---	Pennsylvania State University, State College, Pa.	2
Mount Holyoke College, South Hadley, Mass.	3	1	Piedmont College, Demorest, Ga.	1
Mount Wilson Observatory, Carnegie Institution of Washington, Pasadena, Calif.	---	1	Polytechnic Institute of Brooklyn, Brooklyn, N. Y.	5
Naval Medical Research Institute, Bethesda, Md.	---	1	Pomona College, Claremont, Calif.	6
Nebraska Wesleyan University, Lincoln, Nebr.	1	---	Pratt Institute, Brooklyn, N. Y.	1

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<i>As under-</i>	<i>As graduate</i>	<i>As under-</i>	<i>As graduate</i>	<i>As under-</i>	<i>As graduate</i>
<i>graduates</i>	<i>students</i>	<i>graduates</i>	<i>students</i>	<i>graduates</i>	<i>students</i>
	16	37	Princeton University, Princeton, N. J.		1
	1		Providence College, Providence, R. I.		1
	11	9	Purdue University, Lafayette, Ind.		1
	2		Queens College, Flushing, N. Y.		1
	1	6	Radcliffe College, Cambridge, Mass.		2
	1		Randolph-Macon College, Ashland, Va.		3
	9		Reed College, Portland, Ore.		2
	1		Regis College, Denver, Colo.		1
	3		Rensselaer Polytechnic Institute, Troy, N. Y.		1
	5	6	Rice Institute, Houston, Tex.		15
			Rijks-Universiteit te Groningen, Groningen, Netherlands		34
		1	Roosevelt College, Chicago, Ill.		7
	6	1	Rutgers University, New Brunswick, N. J.		4
	2		Sacramento Junior College, Sacramento, Calif.		1
	1		Sacramento State College, Sacramento, Calif.		2
		1	St. John's College, Oxford, England		1
	1		St. Joseph's College, Philadelphia, Pa.		1
	5	1	St. Louis University, St. Louis, Mo.		1
	1		St. Mary's College, Notre Dame, Ind.		2
	1		St. Michael's College, Winooski Park, Vt.		1
	1		St. Norbert College, West De Pere, Wis.		1
	3		St. Olaf College, Northfield, Minn.		1
	1		Sampson College (closed July, 1949), N. Y.		1
			San Bernardino Valley College, San Bernardino, Calif.		2
	1		San Jose State College, San Jose, Calif.		1
	1		San Mateo Junior College, San Mateo, Calif.		1
			Santa Ana College, Santa Ana, Calif.		1
			Santa Rosa Junior College, Santa Rosa, Calif.		1
			Shenandoah College, Dayton, Va.		1
			Simpson College, Indianola, Iowa		1
			Smith College, Northampton, Mass.		2
			Southern Methodist University, Dallas, Tex.		3
			Southwest Missouri State College, Springfield, Mo.		2
			Southwestern College, Winfield, Kans.		1
			Spring Hill College, Spring Hill, Ala.		1
			Stanford University, Stanford, Calif.		15
			State University of Iowa, Iowa City, Iowa		2
			State College of Washington, Pullman, Wash.		2
			Sunflower Junior College, Moorhead, Miss.		1
			Swarthmore College, Swarthmore, Pa.		11
			Syracuse University, Syracuse, N. Y.		1
			Technische Hochschule, Karlsruhe, Germany		2
			Technische Hochschule, Munich, Germany		1
			Temple University, Philadelphia, Pa.		1
			Texas Agricultural and Mechanical College, College Station, Tex.		2
			Texas Technological College, Lubbock, Tex.		1
			Trinity University, San Antonio, Tex.		1
			Truett-McConnell Junior College, Cleveland, Ga.		1
			Tufts College, Medford, Mass.		1
			Tulane University, New Orleans, La.		2
			Tyler Junior College, Tyler, Tex.		1
			United States Air Force Institute of Technology, Dayton, Ohio		1

United States Naval Academy, Annapolis, Md	1	1	University of Maine, Orono, Maine	1
Universität Göttingen, Göttingen, Germany		2	University of Maryland, College Park, Md	3
Université de Liege, Liege, Belgium		1	University of Massachusetts, Amherst, Mass	2
University College, London, England		2	University of Miami, Miami, Fla	1
University of Amsterdam, Amsterdam, Netherlands		2	University of Michigan, Ann Arbor, Mich	10
University of Arizona, Tucson, Ariz	2	2	University of Michigan Biological Station,* Douglas Lake, Mich	23
University of Besancon, Besancon, France		1		
University of California, Berkeley, Calif	23	40	University of Minnesota, Minneapolis, Minn	9
University of California, Davis, Calif		3	University of Mississippi, University, Miss	1
University of California, Los Angeles, Calif	8	11	University of Missouri, Columbia, Mo	1
University of California, Scripps Institute of Oceanography, La Jolla, Calif			University of Montana Biological Station*	1
University of Cambridge, Cambridge, England		1	University of Nebraska, Lincoln, Nebr	4
University of Chattanooga, Chattanooga, Tenn	1	8	University of New Hampshire, Durham, N. H.	2
University of Chicago, Chicago, Ill	19	50	University of New Mexico, Albuquerque, N. Mex	1
University of Cincinnati, Cincinnati, Ohio	3		University of North Carolina, Chapel Hill, N. C.	6
University of Colorado, Boulder, Colo	6		University of North Dakota, Grand Forks, N. Dak	1
University of Connecticut, Storrs, Conn	2	8	University of Notre Dame, Notre Dame, Ind	1
University of Copenhagen, Copenhagen, Denmark		1	University of Oklahoma, Norman, Okla	4
University of Delaware, Newark, Del	1	3	University of Oklahoma Biological Station	4
University of Detroit, Detroit, Mich	2	5	University of Oklahoma City, Oklahoma City, Okla	1
University of Edinburgh, Edinburgh, Scotland			University of Omaha, Omaha, Nebr	2
University of Florida, Gainesville, Fla	1	1	University of Oregon, Eugene, Oreg	1
University of Hawaii, Honolulu, T. H.	2	2	University of Paris, Paris, France	2
University of Heidelberg, Heidelberg, Germany		1	University of Pennsylvania, Philadelphia, Pa	10
University of Idaho, Moscow, Idaho	10	31	University of Pittsburgh, Pittsburgh, Pa	5
University of Illinois, Urbana, Ill	2	6	University of Redlands, Redlands, Calif	1
University of Kansas, Lawrence, Kans	1		University of Rhode Island, Providence, R. I.	1
University of Kansas City, Kansas City, Mo	2		University of Richmond, Richmond, Va	2
University of Kentucky, Lexington, Ky	2	3	University of Rochester, Rochester, N. Y.	7
			University of San Francisco, San Francisco, Calif	1

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<i>Institution and Location</i>	<i>As under-graduates</i>	<i>Institution and Location</i>	<i>As under-graduates</i>	<i>As graduate students</i>	<i>As graduate students</i>	<i>As graduate students</i>	<i>As graduate students</i>
University of South Carolina, Columbia, S. C.	1	Wayne University, Detroit, Mich.			3		
University of South Dakota, Vermillion, S. Dak.	1	Weber College, Ogden, Utah			1		
University of Southern California, Los Angeles, Calif	3	Wellesley College, Wellesley, Mass.			1	1	
University of Tennessee, Knoxville, Tenn.	2	Wesleyan University, Middletown, Conn.			5	2	
University of Texas, Austin, Tex.	3	Western Carolina College, Cullowhee, N. C.			1		
University of Tulsa, Tulsa, Okla.		Western Kentucky State College, Bowling Green, Ky.			1		
University of Utah, Salt Lake City, Utah.	7				1		
University of Vermont, Burlington, Vt.	1	Western Michigan College, Kalamazoo, Mich.			1		
University of Virginia, Charlottesville, Va.	6	Western Reserve University, Cleveland, Ohio			2	2	
University of Washington, Seattle, Wash.	9	Western Washington College, Bellingham, Wash.			2		
University of Washington, Friday Harbor, Wash.*		Westminster College, New Wilmington, Pa.			1		
University of Wichita, Wichita, Kans.	2	West Virginia University, Morgantown, W. Va.			1		
University of Wisconsin, Madison, Wis.	12	Wheaton College, Wheaton, Ill.			1		
University of Wyoming, Laramie, Wyo.	1	Whitman College, Walla Walla, Wash.			1		
University of Zurich, Switzerland.		Whittier College, Whittier, Calif.			1		
Utah State Agricultural College, Logan, Utah.	3	Whitworth College, Spokane, Wash.			1		
Vanderbilt University, Nashville, Tenn.	5	Wittenberg College, Springfield, Ohio			1		
Virginia Polytechnic Institute, Blacksburg, Va.	1	Worcester Polytechnic Institute, Worcester, Mass.			1		
Wabash College, Crawfordsville, Ind.	1	Worcester Junior College, Worcester, Mass.			1		
Wagner College, Staten Island, N. Y.	1	Wright Junior College, Chicago, Ill.			1		
Wartburg College, Waverly, Iowa.	1	Xavier University, Cincinnati, Ohio			1		
Washburn Municipal College, Topeka, Kans.	2	Yale University, New Haven, Conn.			15	35	
Washington and Jefferson College, Washington, Pa.	1	Yeshiva University, New York, N. Y.			2		
Washington University, St. Louis, Mo.	2	Youngstown College, Youngstown, Ohio			1		

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