

## APPENDIX D

### Fellowship Awards

*Distribution of NSF Fellowships and Applicants by State of Residence  
Awarded in Fiscal Year 1957*

NORTHEAST			NORTH CENTRAL		
<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>
Connecticut -----	69	25	Illinois -----	283	87
Maine -----	21	5	Indiana -----	102	26
Massachusetts -----	211	57	Iowa -----	69	16
New Hampshire -----	12	3	Kansas -----	58	17
New Jersey -----	148	47	Michigan -----	143	42
New York -----	688	171	Minnesota -----	96	25
Pennsylvania -----	299	76	Missouri -----	72	22
Rhode Island -----	24	7	Nebraska -----	36	11
Vermont -----	13	2	North Dakota -----	16	2
			Ohio -----	163	44
			South Dakota -----	19	3
			Wisconsin -----	101	33
			WEST		
			Arizona -----	21	8
			California -----	438	132
			Colorado -----	45	11
			Idaho -----	14	3
			Montana -----	14	3
			Nevada -----	2	0
			New Mexico -----	22	6
			Oregon -----	63	12
			Utah -----	25	4
			Washington -----	92	27
			Wyoming -----	13	4
			POSSESSIONS		
			Alaska -----	7	3
			Hawaii -----	12	2
			Puerto Rico -----	5	1

*Distribution of NSF Fellowship Awards by Year of Study and Field  
Academic Year 1957-58*

Field	Predoctoral			Post- doc- toral (regu- lar)	Senior post- doc- toral	Sci- ence Fac- ulty	Total
	First year	Inter- medi- ate	Ter- minal year				
Life sciences . . . . .	47	101	68	44	26	25	311
Chemistry . . . . .	57	65	63	22	9	22	238
Engineering . . . . .	50	41	23	2	3	17	136
Earth sciences . . . . .	9	21	11	4	1	1	47
Mathematics . . . . .	33	40	13	16	6	21	129
Physics and astronomy . . . . .	49	99	41	20	9	12	230
Physical sciences, general . . . . .						1	1
Convergent fields . . . . .		9	5	1	1	1	17
Total . . . . .	245	376	224	<sup>1</sup> 109	<sup>1</sup> 55	100	1,109

<sup>1</sup> Includes 25 awards made in October 1956.

*Names, Residences, and Fields of Study of Individuals Awarded National  
Science Foundation Fellowships for Fiscal Year 1957*

ALABAMA

*Predocctoral*

KNIGHT, JAMES M., Mobile, Physics.  
KNOPP, PAUL J., S. J., Spring Hill Sta-  
tion, Mathematics.  
LAMPKIN, JULIA M., Tuscaloosa, Medical  
Sciences.  
MANJARREZ, VICTOR M., S. J., Spring Hill,  
Mathematics.  
RHODES, WILLIAM C., Anniston, Bio-  
chemistry.

*Science Faculty*

HUDSON, FRED M., Auburn, Engineering.  
HUNTER, ROY, Jr., Birmingham, Zoology.

ARIZONA

*Predocctoral*

BALL, JAMES S., Tempe, Physics.  
COOPER, CHARLES F., Tucson, Botany.  
HAYDEN, JULIAN D., Jr., Tucson, Physics.  
JUSTICE, KEITH E., Tucson, Zoology.  
RAUCH, HERBERT E., Tucson, Engineer-  
ing.

SHUTLER, MARY E., Tucson, Anthropol-  
ogy.

*Regular Postdoctoral*

FRIED, HERBERT M., Tucson, Physics.

*Science Faculty*

EVENSON, ADELAIDE E., Tucson, Micro-  
biology.

ARKANSAS

*Predocctoral*

CARRUTH, GEORGE A.,<sup>1</sup> Charleston, Bio-  
chemistry.  
CROSS, ROBERT A., Bauxite, Engineering.  
EVERETT, WAYNE W., Benton, Biochem-  
istry.  
LEMING, HOWELL E., Fayetteville, Physics.  
PAGE, LEROY E., Springdale, Engineering.  
RODGERS, TOMMY A., Hot Springs, Chem-  
istry.  
STALLINGS, JOHN R., Jr., Morrilton,  
Mathematics.  
WASSON, JOHN T., Springtown, Chem-  
istry.  
WILLIS, WILLIAM J., Fort Smith, Physics.

*Regular Postdoctoral*

CHOWNING, ANN, Little Rock, Anthropology.

*Science Faculty*

FELL, RALPH V., Magnolia, Agriculture.

## CALIFORNIA

*Predoctoral*

APPLEQUIST, JON B., Berkeley, Chemistry.  
ARNOLD, LAWRENCE J., Los Angeles, Mathematics.

AZAR, LEONARD, Berkeley, Engineering.  
BAIRD, ALEXANDER K., El Cerrito, Earth Sciences.

BARTON, PATRICIA A., Alhambra, Microbiology.

BASS, HYMAN, Los Angeles, Mathematics.  
BERKSON, EARL R., Los Angeles, Mathematics.

BLAIR, PHYLLIS B., Berkeley, Genetics.  
BOSWELL, GEORGE A., Castro Valley, Chemistry.

BREDON, GLEN E., Sanger, Mathematics.  
BROKAW, CHARLES J., El Segundo, Zoology.

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

BROWN, LOWELL S., Visalia, Physics.  
CARPENTER, WAYNE R., Pomona, Chemistry.

CRAWLEY, PETER L., Pasadena, Mathematics.

DAYBELL, MELVIN D., Oceanside, Physics.  
DE NEVERS, NOEL H., San Francisco, Engineering.

DE VOTO, RICHARD H., Palo Alto, Engineering.

DEWHIRST, KENNETH C., Tracy, Chemistry.

DOBYNS, HENRY F., Niles, Anthropology.  
DONOVAN, PAUL F., Berkeley, Chemistry.  
DRAKE, JOHN W.,<sup>1</sup> Pasadena, Microbiology.

EFRON, LEONARD, Glendora, Engineering.  
FIELD, GEORGE F., Linden, Chemistry.

FONG, PAUL, San Francisco, Mathematics.  
FUCHS, RONALD,<sup>1</sup> Altadena, Physics.

GILLETT, JAMES W., Berkeley, Biochemistry.

GIULIANO, CONCETTO R., Gardena, Chemistry.

GOLDSBOROUGH, JOHN P., Stanford, Physics.

HAHNE, GERHARD E., Alameda, Physics.  
HALL, HAROLD R.,<sup>1</sup> Oildale, Engineering.

HAMILTON, WILLIAM F.,<sup>1</sup> II, Altadena, Physics.

HAND, LOUIS N., Menlo Park, Physics.

HANNA, MELVIN W.,<sup>1</sup> Van Nuys, Chemistry.

HARRIS, ROBERT E., Berkeley, Chemistry.  
HOLLIDAY, DENNIS, Alhambra, Physics.

HUANG, LUC, Oakland, Physics.

HULTGREN, NEILEN W., Berkeley, Chemistry.

JOEL, CLIFFE D., Vista, Medical Sciences.  
JORDAN, PETER C. H., Hollywood, Chemistry.

KALLIN, EVA M.,<sup>1</sup> Berkeley, Mathematics.

KELLY, BEATRICE L., Monterey Park, Microbiology.

LANGENBERG, DONALD N., Berkeley, Physics.

LATIMER, HOWARD L., Claremont, Genetics.

LUBLINER, JACOB, Los Angeles, Engineering.

LUNDBERG, RAYMOND E., Palo Alto, Engineering.

MACIEL, GARY E., Livermore, Chemistry.  
MACMILLAN, ARCHIE J., Los Angeles, Engineering.

MARSHALL, J. HOWARD, III, Lake Arrowhead, Physics.

MAYFIELD, IVAN JEANNE, Chino, Zoology.  
MCCONKEY, EDWIN H., Berkeley, Zoology.

MCCUEN, PETER A., Bakersfield, Engineering.

MCCUNE, DELBERT C., Saratoga, Botany.  
MONK, JAMES D., Danville, Mathematics.

MORETTI, RICHARD L., San Bernardino, Zoology.

NANDI, JEAN, Solvang, Zoology.

NEIGHBOR, JAMES E.,<sup>1</sup> III, Lafayette, Physics.

NEVILLE, DONALD E.,<sup>1</sup> Los Angeles, Chemistry.

NIERLICH, DONALD P., Santa Monica, Biochemistry.

ORBACH, RAYMOND L., Los Angeles, Physics.

<sup>1</sup> Declined.

- PARKER, BARBARA A., Los Angeles, Chemistry.
- PARKER, EVELYN D., San Francisco, Biochemistry.
- PARSONS, MARGARET C., Claremont, Zoology.
- PICCOLINI, RICHARD J., Los Angeles, Chemistry.
- PROSCHAN, FRANK, Sunnyvale, Mathematics.
- PRUITT, WILLIAM E., Redwood City, Mathematics.
- PURVES, WILLIAM K., Jr., Sacramento, Botany.
- RADFORD, MARGARET R., Glendale, Biochemistry.
- RAVEN, PETER H.,<sup>1</sup> San Francisco, Botany.
- RICHARDS, E. GLEN, Berkeley, Biochemistry.
- RICHARDS, L. WILLARD, Riverside, Chemistry.
- RICHARDS, PAUL L., Riverside, Physics.
- ROBERTSON, BALDWIN, Los Angeles, Physics.
- ROYCE, EDWIN B., Pasadena, Physics.
- SCOTT, PHEBE C., Oakland, Psychology.
- SEDERHOLM, CHARLES H., Concord, Chemistry.
- SHIRLEY, DAVID A., Berkeley, Chemistry.
- SORENSEN, JOHN L., Los Angeles, Anthropology.
- STEIN, ELIZABETH K., Los Angeles, Microbiology.
- STROMBOTNE, RICHARD L., Berkeley, Physics.
- TAYLOR, HUGH P., Jr., Los Angeles, Earth Sciences.
- TINDERHOLT, VICTOR E., Santa Monica, Genetics.
- WEDDLE, ORVILLE H., Granada Hills, Zoology.
- WEITZNER, HAROLD, San Francisco, Physics.
- WERTHAMER, N. RICHARD,<sup>1</sup> Sherman Oaks, Physics.
- WILCOX, WILLIAM R., Albany, Engineering.
- WILLIAMS, FORMAN A., Pasadena, Engineering.
- WILLIS, JOHN S., Pasadena, Zoology.
- WILSON, DONALD M., Los Angeles, Zoology.
- WILSON, GARTH H., Oakland, Engineering.
- Regular Postdoctoral*
- ALLEN, DAVID W., Sierra Madre, Medical Sciences.
- BAKER, GEORGE A., Jr., Davis, Physics.
- BOTTINI, ALBERT T., Petaluma, Chemistry.
- BRACKETT, THOMAS E.,<sup>1</sup> El Cerrito, Chemistry.
- DICKEMAN, MILDRED, Los Altos, Anthropology.
- DURBIN, RICHARD D., Los Angeles, Biochemistry.
- FLANDERS, HARLEY, Berkeley, Mathematics.
- FRENCH, GILBERT M.,<sup>1</sup> Pasadena, Psychology.
- GASIOROWICZ, STEPHEN G., Albany, Physics.
- GHIRARDELLI, ROBERT G.,<sup>1</sup> San Francisco, Chemistry.
- HERSCHBACH, DUDLEY R.,<sup>1</sup> Aptos, Chemistry.
- HOMMERSAND, MAX H., La Mesa, Botany.
- JACOBSON, BARUCH S., Berkeley, Biophysics.
- MALLORY, FRANK B.,<sup>1</sup> Pasadena, Chemistry.
- MARGOLIN, PAUL,<sup>1</sup> Pasadena, Genetics.
- McMATH, VERNON E., Van Nuys, Earth Sciences.
- RIDDELL, DOROTHY M., Berkeley, Anthropology.
- SHERBY, OLEG D.,<sup>1</sup> Albany, Engineering.
- SNOW, SIDNEY R.,<sup>1</sup> Los Angeles, Genetics.
- SUPPES, PATRICK C., Stanford, Philosophy of Science.
- WILCOX, LEE R., Menlo Park, Physics.
- WOHLWILL, JOACHIM F., Berkeley, Psychology.
- Senior Postdoctoral*
- BENSON, SIDNEY W., Beverly Hills, Chemistry.
- BULLOCK, THEODORE H., Pacific Palisades, Zoology.
- CLAYTON, RODERICK K., Carmel, Biochemistry.
- CRANE, JULIAN C., Davis, Botany.
- DAUBEN, WILLIAM G., Berkeley, Chemistry.
- DAVIS, LEVERETT, Jr., Altadena, Physics.

<sup>1</sup> Declined.

KELLEY, JOHN L.,<sup>1</sup> Berkeley, Mathematics.

KIRKMAN, HADLEY, Stanford, Medical Sciences.

LORENZ, FREDERICK W., Davis, Zoology.

PARDEE, ARTHUR B., El Cerrito, Biochemistry.

PITELKA, FRANK A., Berkeley, Zoology.

TOLLESTRUP, ALVIN V., Altadena, Physics.

*Science Faculty*

FARRELL, EDWARD J., San Francisco, Mathematics.

LAMBERT, FRANK L., Los Angeles, Chemistry.

MCKILLOP, ALLAN A., Davis, Engineering.

MYSELS, KAROL J., Los Angeles, Chemistry.

RAUCH, STANLEY E., Santa Barbara, Mathematics.

SCHEFFEY, CHARLES F., Berkeley, Engineering.

SCOTT, VERNE H., Davis, Engineering.

TAUXE, GEORGE J., Pacific Palisades, Engineering.

COLORADO

*Predocctoral*

HARMS, JOHN C., Loveland, Earth Sciences.

IRWIN, CYNTHIA C., Morrison, Anthropology.

KELLOGG, HAROLD E., Arvada, Earth Sciences.

NAZY, JOHN R., Denver, Chemistry.

SPENCER, ALBERT W., Fort Collins, Zoology.

VIERECK, ELEANOR G., Boulder, Zoology.

WELSH, ROBERT E., Denver, Physics.

*Regular Postdoctoral*

HAROLD, FRANKLIN M., Denver, Biochemistry.

*Senior Postdoctoral*

WEBER, WILLIAM A., Boulder, Botany.

*Science Faculty*

SMITH, DONN L., Denver, Medical Sciences.

STICKLER, WILLIAM C., Denver, Chemistry.

CONNECTICUT

*Predocctoral*

AHEARNE, JOHN F.,<sup>1</sup> New Britain, Physics.

BRIGGS, THOMAS, South Norwalk, Medical Sciences.

CHURCHILL, LINDSEY, C., Jr., Meriden, Mathematical Sociology.

CONRON, GREGORY F.,<sup>1</sup> New Canaan, Engineering.

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

FARNHAM, ANN E., Broad Brook, Microbiology.

JARNAGIN, RICHARD C., New Haven, Chemistry.

MCCOLM, DOUGLAS W., New Haven, Physics.

MEIGS, ROBERT A., Newington, Medical Sciences.

MERMIN, N. DAVID,<sup>1</sup> New Haven, Physics.

MILLER, JOHN H., New Haven, Botany.

STEVENSON, KENNETH K., Berlin, Chemistry.

STILLINGER, FRANK H., Jr., New Haven, Chemistry.

TANENBAUM, B. SAMUEL, New Haven, Physics.

TIFFT, WILLIAM G., Seymour, Astronomy.

WAGNER, ALVIN, Stamford, Zoology.

WHITE, JOHN A., New Haven, Physics.

*Regular Postdoctoral*

GILBERT, WALTER, Westport, Physics.

GOLDSTEIN, MELVIN J., New Haven, Chemistry.

PECK, HARRY D., Jr.,<sup>1</sup> Middletown, Microbiology.

REUSCH, WILLIAM H., Greenwich, Chemistry.

*Senior Postdoctoral*

BROWDER, FELIX E., New Haven, Mathematics.

FITCH, FREDERIC B.,<sup>1</sup> New Haven, Mathematics.

*Science Faculty*

ROSENBAUM, ROBERT A., Middletown, Mathematics.

SEASE, JOHN W., Portland, Chemistry.

<sup>1</sup> Declined.

## DELAWARE

*Predoctoral*

ANDERSON, HOWARD W., Wilmington, Engineering.

HARWITZ, MITCHELL, Wilmington, Mathematical Economics.

JENNINGS, U. DUANE, Wilmington, Engineering.

ROMANO, RICHARD C., Newark, Engineering.

## DISTRICT OF COLUMBIA

*Predoctoral*

DANTE, WILLIAM M.,<sup>1</sup> Physics.

EHRMAN, JOHN R., Physics.

HOFFELD, DONALD R., Psychology.

PRESNAL, DEAN C., Earth Sciences.

*Science Faculty*

BUTCHER, GEORGE H., Mathematics.

## FLORIDA

*Predoctoral*

BLESS, ROBERT C., Gainesville, Astronomy.

BROOKS, RODNEY A., Miami, Physics.

DURRILL, PRESTON L., Fort Lauderdale, Engineering.

FOX, EVELYN, Miami Beach, Physics.

HUBBARD, PAUL S., Jr., St. Petersburg, Physics.

IRWIN, CAROL A., Jacksonville, Anthropology.

MORRILL, JOHN B., Tallahassee, Zoology.

RAMSPOTT, LAWRENCE D.,<sup>1</sup> Neptune Beach, Earth Sciences.

SAWYER, DONALD A., Gainesville, Engineering.

WINTERS, HERBERT H., Orlovista, Earth Sciences.

*Regular Postdoctoral*

MILLON, RENE F., Hialeah, Anthropology.

SCHRIEFFER, JOHN R., Eustis, Physics.

WADSWORTH, DONALD VAN Z.,<sup>1</sup> Coral Gables, Earth Sciences.

*Science Faculty*

McCLAIN, HOWARD, Jr., Tallahassee, Medical Sciences.

SCHWEYER, HERBERT E., Gainesville, Engineering.

## GEORGIA

*Predoctoral*

DUNLAP, JULIAN L., La Grange, Physics.

HOWE, JOHN A., Blue Ridge, Chemistry.

HUGHES, NORMAN, East Point, Zoology.

TOLBERT, MARY G., Comer, Zoology.

*Senior Postdoctoral*

ODUM, EUGENE P., Athens, Zoology.

*Science Faculty*

CASEMAN, AUSTIN B., Atlanta, Engineering.

HERREMAN, HAROLD M., Atlanta, Physics.

## IDAHO

*Predoctoral*

NIELSON, CLAIR W., Pocatello, Physics.

NORGORD, JOHN T., Moscow, Engineering.

WILLMORTH, JOHN H., Boise, Engineering.

## ILLINOIS

*Predoctoral*

ARONSON, ARTHUR I., Champaign, Microbiology.

BARON, ROBERT E.,<sup>1</sup> Chicago, Physics.

BAUR, MARIO E., Chicago, Chemistry.

BECKMAN, TAD A.,<sup>1</sup> Wilmette, Chemistry.

BJORKEN, JAMES D., Park Ridge, Physics.

BODINE, ALAN G., Macomb, Physics.

BREWER, RICHARD, Murphysboro, Zoology.

BUTLER, DONALD C., Highland Park, Psychology.

CAIRNS, ELTON J., Chicago, Engineering.

COLEMAN, SIDNEY R., Chicago, Physics.

COLLMAN, JAMES P., Urbana, Chemistry.

DECKER, DANIEL L., Champaign, Physics.

DU FRESNE, EUGENE R., Chicago, Chemistry.

EDWARDS, HAROLD M., Jr., Champaign, Mathematics.

FILSON, DON P., Chicago, Chemistry.

FOODEN, JACK, Chicago, Zoology.

FRAENKEL, DAN G., Urbana, Medical Sciences.

<sup>1</sup> Declined.

- FREIFELDER, DAVID M., Waukegan, Biophysics.
- GAGGIOLI, RICHARD A., Highwood, Engineering.
- GHOLSON, ROBERT K., Champaign, Biochemistry.
- GINSBERG, DONALD M., Chicago, Physics.
- GOLDBERG, JAY M., Chicago, Psychology.
- GOODMAN, GORDON L., Riverside, Chemistry.
- HARRISON, MICHAEL J., Chicago, Physics.
- HARTZELL, GORDON E., Champaign, Chemistry.
- HATTENDORF, EDWIN R.,<sup>1</sup> West Chicago, Engineering.
- HILL, ROBERT N., Evanston, Physics.
- HOGAN, JERRY A., Chicago, Psychology.
- HUNDLEY, RICHARD O., Joliet, Physics.
- JOSEPH, DAVID W., Wheaton, Physics.
- KAISER, EMIL T., Chicago, Chemistry.
- KALTENBRONN, JAMES S., New Baden, Chemistry.
- KERMICLE, JERRY L., Dundas, Genetics.
- KERTESZ, DENIS J., Glenview, Chemistry.
- KUST, ROGER N.,<sup>1</sup> Villa Park, Chemistry.
- LLOYD, RONALD M., Oak Park, Earth Sciences.
- MCCARROLL, BRUCE, Chicago, Chemistry.
- McMICHAEL, KIRK D., Ingleside, Chemistry.
- MINN, FREDRICK L., Waukegan, Chemistry.
- MODESITT, GEORGE E., Urbana, Physics.
- MRAZEK, ROBERT V., Elmhurst, Engineering.
- OLOFSON, ROY A., Chicago, Chemistry.
- PAULUS, HENRY P., Winnetka, Biochemistry.
- QUAY, PAUL M., S. J., Oak Park, Physics.
- RENICK, REBECCA J., Manhattan, Chemistry.
- RESING, HENRY A., Chicago, Chemistry.
- REYNOLDS, JOHN C., Glen Ellyn, Physics.
- ROGERS, KENDAL T., Urbana, Physics.
- SCHLESSINGER, DAVID, Chicago, Biochemistry.
- SWARTZ, LESLIE G., Western Springs, Zoology.
- TALBOTT, RICHARD L., Elmhurst, Chemistry.
- TILLSON, MARTHA A., La Grange, Zoology.
- TOBEY, STEPHEN W., Chicago, Chemistry.
- TROZZOLO, ANTHONY M., Chicago, Chemistry.
- VEAZIE, AUDREY E., Chicago, Chemistry.
- WALL, ROBERT E., Mulberry Grove, Chemistry.
- WARDEN, JOHN C., Danville, Botany.
- WEINER, DANIEL, Chicago, Physics.
- WOLF, JOSEPH A., Chicago, Mathematics.
- YOUNGDAHL, CARL K., Chicago, Mathematics.
- YUND, RICHARD A., Farina, Earth Sciences.
- ZIMMERMAN, STEVEN B., Chicago, Biochemistry.

*Regular Postdoctoral*

- BACKUS, GEORGE E.,<sup>1</sup> Chicago, Physics.
- BROWN, BRUCE E., Chicago, Earth Sciences.
- EBERSTEIN, ARTHUR, Chicago, Biophysics.
- GELLER, DAVID M., Oak Park, Medical Sciences.
- HANRAHAN, ROBERT J., Woodstock, Chemistry.
- LLOYD, MONTE B., Chicago, Agriculture.
- NELSON, J. EDWARD, Chicago, Mathematics.
- NERODE, ANIL, Chicago, Mathematics.
- NOSANOW, LEWIS H., Chicago, Chemistry.
- REIF, MILDRED, Chicago, Physics.
- RICHEY, HERMAN G., Chicago, Chemistry.
- ROTHMAN, FRANK G., Chicago, Chemistry.
- SCHULTZ, THEODORE D., Glencoe, Physics.
- THOMAS, RICHARD S., Champaign, Biophysics.
- WOOD, GALEN T., Chicago, Physics.
- ZUBAY, GEOFFREY L., Chicago, Biochemistry.

*Senior Postdoctoral*

- BASCOM, WILLIAM R., Evanston, Anthropology.

<sup>1</sup> Declined.

BORDWELL, FREDERICK G., Evanston,  
Chemistry.

FRAENKEL, GOTTFRIED S., Urbana, Zool-  
ogy.

FULTZ, DAVE, Chicago, Earth Sciences.

HALVORSON, HALVOR O.,<sup>1</sup> Urbana, Micro-  
biology.

JOHNSON, ROBERT E., Urbana, Medical  
Sciences.

KELLEY, JOHN C., Carbondale, Anthro-  
pology.

*Science Faculty*

BOWER, JOHN E., De Kalb, Chemistry.

DILKS, ELEANOR, Normal, General Bi-  
ology.

INDIANA

*Predocctoral*

CHILDS, CANNING R., Jr., Indianapolis,  
Chemistry.

DODD, JAMES R., Bloomington, Earth  
Sciences.

FOX, SISTER M. ALICE MARIE, South Bend,  
Zoology.

FRAZER, WILLIAM R., Indianapolis,  
Physics.

HUEBER, FRANCIS M., Indianapolis, Earth  
Sciences.

HUNTER, RALPH E., Bloomington, Earth  
Sciences.

JENKINS, THOMAS M., Indianapolis,  
Mathematics.

MEDITCH, JAMES S.,<sup>1</sup> Indianapolis, Engi-  
neering.

MELCHIOR, MICHAEL T., Fort Wayne,  
Chemistry.

PRAIRIE, RICHARD L., Fort Wayne, Bio-  
chemistry.

RAPER, ODELL F., Bloomington, Chem-  
istry.

RAY, CLAYTON E., Indianapolis, Earth  
Sciences.

SANE, JAMES O., Hammond, Engineering.

SCOFIELD, JAMES H., Chesterton, Physics.

SHIELDS, JAMES E., Marion, Biochemistry.

STEWART, THOMAS E., South Bend,  
Mathematics.

STILLER, MARY L., Connersville, Botany.

VOUGHT, ELDON J., South Bend, Mathe-  
matics.

WILT, FRED H., Nappanee, Zoology.

<sup>1</sup> Declined.

*Regular Postdoctoral*

BURG, RICHARD W., Fort Wayne, Bio-  
chemistry.

CLELAND, WALLACE, Bloomington, Bio-  
chemistry.

*Senior Postdoctoral*

BENZER, SEYMOUR, West Lafayette, Bio-  
physics.

ELIEL, ERNEST L., South Bend, Chemistry.

*Science Faculty*

LANGE, LESTER H., Valparaiso, Mathe-  
matics.

POSTLETHWAIT, SAMUEL N., Lafayette,  
Botany.

SHUPE, JOHN W., West Lafayette, Engi-  
neering.

IOWA

*Predocctoral*

ANDERSON, WILLIAM J., Ames, Engineer-  
ing.

BAKER, BILLY R.,<sup>1</sup> Eldon, Engineering.

CHRISTENSEN, STANLEY H., Ames,  
Physics.

COOPERRIDER, TOM S., Iowa City, Botany.

GRAHAM, JOHN B., Brooklyn, Engineer-  
ing.

KERR, NORMAN S., Charles City, Micro-  
biology.

RENEKER, DARRELL H., Birmingham,  
Physics.

ROBERTS, WALDEN K., Lamoni, Bio-  
chemistry.

WATSON, PATTY JO, Sheffield, Anthro-  
pology.

WILBOIS, ANNETTE D., Des Moines,  
Genetics.

WOOLDRIDGE, CHARLES E., Mason City,  
Engineering.

*Regular Postdoctoral*

ENGLER, JEAN A., Mason City, Psy-  
chology.

*Senior Postdoctoral*

ARONOFF, SAM, Ames, Biochemistry.

*Science Faculty*

JESSEN, MARVIN P., Des Moines, Zoology.

RIGGS, PHILIP S., Des Moines, Astronomy.



SCHURRER, AUGUSTA L., Cedar Falls,  
Mathematics.

KANSAS

*Predoctoral*

BAKIS, RAIMO, Sterling, Physics.  
COLWELL, JOHN E., Bellaire, Chemistry.  
DALY, HOWELL V., Jr., Lawrence,  
Zoology.  
FARRAR, THOMAS C., Wichita, Chemistry.  
HALL, BENJAMIN D., Lawrence, Chemis-  
try.  
HALL, JOHN B., Mission, Medical Sci-  
ences.  
HORR, DAVID A.,<sup>1</sup> Lawrence, Anthro-  
pology.  
JACKSON, THOMAS C., Hutchinson, En-  
gineering.  
RETTENMEYER, CARL W., Lawrence,  
Zoology.  
RICHERT, A. STUART, Wichita, Physics.  
ROGERS, GARY B., Manhattan, Engineer-  
ing.  
SCHLAGER, GUNTHER, Lawrence, Zoology.  
SINKHORN, RICHARD D., Wichita, Mathe-  
matics.  
SOMMER, WARREN T., Manhattan,  
Physics.  
STRICKLER, STEWART J., Hutchinson,  
Chemistry.

*Science Faculty*

BRAYFIELD, ARTHUR H., Manhattan, Psy-  
chology.  
ELLIOTT, IRVIN W., Newton, Chemistry.

KENTUCKY

*Predoctoral*

CANTRILL, JAMES E., Lexington, Chem-  
istry.  
COOK, MAURICE G., Hatton, Agriculture.  
LIND, JOHN E., Jr., Louisville, Chemistry.  
RAGLAND, JOHN L., Beaver Dam, Agri-  
culture.  
THOMAS, WILLIAM A., McKee, Earth  
Sciences.

*Senior Postdoctoral*

WILEY, RICHARD H., Louisville, Chem-  
istry.

*Science Faculty*

LEVEY, GERRIT, Berea, Chemistry.  
WALLER, M. CONCETTA, Louisville,  
Chemistry.

LOUISIANA

*Predoctoral*

HOWE, HERBERT J., Baton Rouge, Earth  
Sciences.  
LINDERHOLM, CARL E., Baton Rouge,  
Mathematics.

*Science Faculty*

VLIET, DANIEL H., New Orleans, Engi-  
neering.  
WILLIS, PHYLLIDA M., New Orleans,  
Chemistry.

MAINE

*Predoctoral*

BERKELMAN, KARL, Lewiston, Physics.  
COMMERFORD, SPENCER L., Belfast, Medi-  
cal Sciences.  
JENNESS, JONATHAN, North Bridgeton,  
Anthropology.  
LARY, EDMUND C., West Scarborough,  
Engineering.  
SILVER, IRVING R., Portland, History of  
Science.

MARYLAND

*Predoctoral*

AIKEN, RICHARD T., Baltimore, Engineer-  
ing.  
COFFMAN, CHARLES V., Hagerstown,  
Mathematics.  
CONLEY, JAMES W., Hyattsville, Engi-  
neering.  
CURTIS, EDWARD B., Annapolis, Mathe-  
matics.  
DORFMAN, JAY R., Baltimore, Chemistry.  
HAUK, ROSALIND, Chevy Chase, Medical  
Sciences.  
HIRSHFELD, DAVID S., Baltimore, Engi-  
neering.  
HOROWITZ, LEONARD M.,<sup>1</sup> Baltimore, Psy-  
chology.  
JOHNSON, BETSEY W., Chevy Chase,  
Medical Sciences.  
KAUFMANN, JOHN H.,<sup>1</sup> Towson, Zoology.  
NILES, PATRICIA A., Kingsville, Psychol-  
ogy.  
ROTBERG, IRIS C., Adelphi, Psychology.

<sup>1</sup> Declined.

SHARNOFF, MARK, Chevy Chase, Physics.  
 SIGER, ALVIN, Baltimore, Biochemistry.  
 TAEUBER, KARL E., Hyattsville, Demography.  
 WHITAKER, STEPHEN, Elkton, Engineering.  
 WHITLOCK, HOWARD W., Jr., University Park, Chemistry.  
 WILLIAMS, RICHARD B., Edgewood, General Biology.  
 WILLIS, EDWIN O., Baltimore, Zoology.

*Regular Postdoctoral*

ISAACS, JAMES P.,<sup>1</sup> Baltimore, Medical Sciences.  
 SPENCER, RICHARD P., Silver Spring, Biochemistry.  
 WARNHOFF, EDGAR W., Bethesda, Chemistry.

*Senior Postdoctoral*

PARK, JAMES T., Silver Spring, Biochemistry.

*Science Faculty*

ALLEN, REDFIELD W., Silver Spring, Engineering.  
 CHESSIN, PAUL L., Baltimore, Mathematics.

MASSACHUSETTS

*Predocctoral*

ABBOTT, ROSE MARIE S.,<sup>1</sup> Northampton, Botany.  
 AVERELL, JOHN P., Roslindale, Physics.  
 BAYM, GORDON A., Pittsfield, Physics.  
 BRILLIANT, MARTIN B., Boston, Engineering.  
 COOPER, BERNARD R., Hyde Park, Physics.  
 DANIELS, GERALD M., Jamaica Plain, Physics.  
 DIXON, WILLIAM B., Fall River, Chemistry.  
 EIGNER, JOSEPH, Swampscott, Chemistry.  
 EVENS, LEONARD, Brookline, Mathematics.  
 FELDMAN, CHARLES L., Brookline, Engineering.  
 FESSEDEN, RICHARD W., North Amherst, Chemistry.  
 GOLD, L. PETER, Brockton, Chemistry.  
 GOSSARD, ARTHUR C., Quincy, Physics.  
 HILFER, S. ROBERT, Amherst, Zoology.

<sup>1</sup> Declined.

HOBEBY, WILLIAM D., Peabody, Chemistry.  
 HORVITZ, PAUL M., Brookline, Mathematical Economics.  
 HOUGEN, JON T., Watertown, Chemistry.  
 HOWARD, WEBSTER E., Jr., Winthrop, Physics.  
 HUBERT, JOHN F., Dover, Earth Sciences.  
 JOYNER, WILLIAM B., Cambridge, Earth Sciences.  
 KOLENKOW, ROBERT J., Cambridge, Physics.  
 LANDAUER, THOMAS K., Cambridge, Psychology.  
 LEMAIRE, NORMAND A., New Bedford, Chemistry.  
 LIANIDES, SYLVIA P., Brighton, Medical Sciences.  
 MCGOFF, DAVID J., Somerville, Engineering.  
 MUCKENHOPT, BENJAMIN, Newton Highlands, Mathematics.  
 OFENGAND, JAMES, Taunton, Microbiology.  
 REYNOLDS, DAVID V., Attleboro, Psychology.  
 SHAKIN, CARL, Somerville, Physics.  
 STEKLER, HERRMANN O.,<sup>1</sup> Worcester, Mathematical Economics.  
 THIESSEN, WILLIAM E., Boston, Chemistry.  
 TUGENDHAT, BEATRICE, Webster, Psychology.  
 WAHLIG, MICHAEL A., Boston, Physics.  
 WATERS, EDWARD L., Peabody, Chemistry.  
 WEBER, ROBERT, North Reading, Physics.  
 WHARTON, LENNARD, Brookline, Chemistry.  
 WHITE, ROBERT W., Somerville, Chemistry.  
 WILLIAMS, DAVID C., Belmont, Chemistry.  
 WILSON, KENNETH G., Concord, Physics.

*Regular Postdoctoral*

CURRY, GEORGE M., Groton, Botany.  
 DAVIS, MARGARET B., Cambridge, Botany.  
 JOHNSON, KENNETH A., Cambridge, Physics.  
 LA TOURRETTE, JAMES T., Cambridge, Physics.  
 LIVINGSTONE, FRANK B., Winchester, Anthropology.  
 MCKEAN, HENRY P., Jr.,<sup>1</sup> Beverly Farms, Mathematics.

*Senior Postdoctoral*

- BISPLINGHOFF, RAYMOND, Wellesley Hills, Engineering.  
 BLOCH, KONRAD E., Lexington, Biochemistry.  
 GIMBUTAS, MARIJA, Boston, Anthropology.  
 POUND, ROBERT V.,<sup>1</sup> Arlington, Physics.  
 RESWICK, JAMES B., Wellesley, Engineering.  
 ROBY, THORNTON B., Lexington, Psychology.  
 STONE, DAVID, Worcester, Biochemistry.  
 TATE, JOHN T.,<sup>1</sup> Cambridge, Mathematics.  
 WEISSKOPF, VICTOR F., Cambridge, Physics.

*Science Faculty*

- CROCKETT, WALTER H., Worcester, Mathematics.  
 KLEIN, GEORGE, Cambridge, Mathematics.  
 WINTER, STEPHEN S., Belmont, Chemistry.

## MICHIGAN

*Predocctoral*

- ALLERTON, SAMUEL E.,<sup>1</sup> Kalamazoo, Medical Sciences.  
 BISQUE, RAMON E., Iron River, Earth Sciences.  
 BOUWSMA, WARD D., Grand Rapids, Mathematics.  
 BRAKE, JOHN R., Stanton, Agricultural Economics.  
 BRINEY, ROBERT E., Muskegon, Mathematics.  
 BROOMFIELD, CLARENCE A., Mt. Morris, Biochemistry.  
 COATS, KEITH H., Ann Arbor, Engineering.  
 GARLAND, HOWARD, Detroit, Mathematics.  
 GIFFELS, CARL A., Dearborn, Physics.  
 GOODE, FRANK M., Ann Arbor, Mathematics and Psychology.  
 GRAESSLEY, WILLIAM W., Ann Arbor, Engineering.  
 HAZARD, EVAN B.,<sup>1</sup> Pinckney, Zoology.  
 HEATWOLE, HAROLD F., Ann Arbor, Zoology.

<sup>1</sup> Declined.

- HEIN, GEORGE E., Ann Arbor, Chemistry.  
 KNOLL, GLENN F.,<sup>1</sup> Frankenmuth, Engineering.  
 KRETZSCHMAR, ALICE M., Detroit, Mathematics.  
 LOVETT, JAMES S., East Lansing, Botany.  
 MACK, LAWRENCE R., Plymouth, Engineering.  
 MOHR, CHARLES M., South Haven, Engineering.  
 MOHR, WILLIAM D., South Haven, Engineering.  
 NELSON, FREDERIC F., Grand Rapids, Chemistry.  
 NICHOLS, WILLIAM H.,<sup>1</sup> S. J., Detroit, Physics.  
 PLOURDE, GAIL R.,<sup>1</sup> Norway, Chemistry.  
 SCHRIBER, THOMAS J., Muskegon, Engineering.  
 SHIELDS, PAUL C., South Haven, Mathematics.  
 SPENCER, JOHN L., Ann Arbor, Chemistry.  
 SPITZER, DONALD P., Bridgman, Chemistry.  
 STASHEFF, JAMES D., Ann Arbor, Mathematics.  
 STENGER, ROBERT A., Midland, Chemistry.  
 VANDER VEN, NED S., Clawson, Physics.  
 WOZNICK, BENJAMIN J., Jr., Grand Rapids, Physics.  
 YOUNGDALE, GILBERT A., Detroit, Chemistry.  
 ZINNES, JOSEPH L., South Lyon, Psychology and Physics.

*Regular Postdoctoral*

- LEWIS, PEIRCE F., Ann Arbor, Earth Sciences.  
 MEYER, WALTER L., Ann Arbor, Chemistry.  
 STEVENS, JOSEPH C.,<sup>1</sup> Grand Rapids, Psychology.

*Senior Postdoctoral*

- LUTTINGER, JOAQUIN M., Ann Arbor, Physics.

*Science Faculty*

- GHERING, SISTER MARY V., Grand Rapids, Chemistry.  
 GRUEN, FRED M., Olivet, Chemistry.  
 SKINNER, CHARLES E., Alma, Chemistry.

SOWUL, JEROME G., Royal Oak, Mathematics.  
 SPURR, STEPHEN H., Ann Arbor, Agriculture.

## MINNESOTA

*Predoctoral*

ACKERBERG, ROBERT C., St. Louis Park, Engineering.  
 BURGESS, PHYLLIS E.,<sup>1</sup> Moorhead, Zoology.  
 ELIASON, MORTON A., Moorhead, Chemistry.  
 ERICKSON, GLEN W., Minneapolis, Physics.  
 FAWCETT, MARK S., Winona, Chemistry.  
 HOLMES, JOHN C., South St. Paul, Zoology.  
 JUNGAS, ROBERT L., Mountain Lake, Medical Sciences.  
 LARSON, DAVID C., Cloquet, Physics.  
 LARSON, JANE, Minneapolis, Chemistry.  
 MELIN, JOHN A., St. Paul, Chemistry.  
 MILLER, FRANK C.,<sup>1</sup> Little Falls, Anthropology.  
 MOFFET, ALAN T., Rochester, Physics.  
 OSBORN, JAMES H.,<sup>1</sup> Winona, Chemistry.  
 PEARSON, JAMES J.,<sup>2</sup> Minneapolis, Physics.  
 READY, JOHN F., Minneapolis, Physics.  
 RICHARDS, J. IAN, St. Paul, Mathematics.  
 ROISELAND, DONALD S., South St. Paul, Physics.  
 SCOTT, PAUL C., Minneapolis, Chemistry.  
 SWEENEY, CAROL C., Winnebago, Chemistry.  
 WITTRY, SISTER ESPERANCE, C. S. J., St. Paul, Zoology.  
 YOUNGQUIST, MARY J., Minneapolis, Chemistry.

*Regular Postdoctoral*

GRUNBAUM, BENJAMIN W., Minneapolis, Biochemistry.

*Senior Postdoctoral*

RICHARDS, A. GLENN,<sup>1</sup> St. Paul, Zoology.

*Science Faculty*

GARDNER, GERARD, Winona, Physics.  
 LARSON, WILLIAM D., St. Paul, Chemistry.

<sup>1</sup> Declined.

## MISSISSIPPI

*Predoctoral*

CERNY, JOSEPH, III,<sup>1</sup> Oxford, Chemistry.  
 CROW, TERRY T., Amory, Physics.  
 MANGUM, BILLY W., Mize, Chemistry.

*Science Faculty*

NOBLES, WILLIAM L., Oxford, Chemistry.

## MISSOURI

*Predoctoral*

ALT, DAVID D., Kirkwood, Earth Sciences.  
 CANTWELL, JOHN C., St. Louis, Mathematics.  
 DAWSON, RICHARD G., Kansas City, General Biology.  
 FULLER, ROBERT G., Rolla, Physics.  
 GERBER, CARL J., St. Louis, Medical Sciences.  
 GILLESPIE, ROBERT W., Kansas City, Mathematical Economics.  
 GORMAN, C. DAVID, Springfield, Mathematics.  
 KLOCK, PAUL W., St. Louis, Engineering.  
 LARSON, JAMES D., Independence, Physics.  
 MEAD, C. ALDEN,<sup>1</sup> Webster Groves, Chemistry.  
 MONTGOMERY, DAVID C., Milan, Physics.  
 PITTMAN, WILLIAM H., Columbia, Chemistry.  
 PRATT, RICHARD L.,<sup>1</sup> Jefferson City, Mathematics.  
 ROE, BYRON P., Olivette, Physics.  
 SCHANUEL, STEPHEN H., Kirkwood, Mathematics.  
 THOMPSON, JOHN G., Jefferson City, Mathematics.  
 WIESMEYER, HERBERT, St. Louis, Microbiology.  
 YOUNG, CHARLES W., Kirkwood, Agriculture.

*Science Faculty*

CHUBBUCK, EDWIN R., Hamilton, Engineering.  
 EDSON, FRANK G., Liberty, Chemistry.  
 ELLIOTT, H. MARGARET, St. Louis, Mathematics.  
 HALL, THOMAS S., St. Louis, General Biology.

## MONTANA

*Predoctoral*

- HILL, CLIFFORD W., Bozeman, Zoology.  
 JORGENSEN, DALE W.,<sup>1</sup> Helena, Mathematical Economics.  
 POIRIER, JOHN A., Harlowton, Physics.

## NEBRASKA

*Predoctoral*

- CHRISTENSEN, RICHARD M.,<sup>1</sup> Miller, Earth Sciences.  
 DOMINGO, JOHN J., Weeping Water, Physics.  
 EICHER, DON L., Lincoln, Earth Sciences.  
 HAYES, JOHN B., Omaha, Earth Sciences.  
 HUPP, EUGENE W.,<sup>1</sup> Norfolk, Zoology.  
 JENSEN, DONALD D., Osceola, Psychology.  
 LOWELL, JAMES D., Lincoln, Earth Sciences.  
 SCHELKOPF, RUSSELL L., Geneva, Zoology.  
 SHUEY, ELDON W., Crab Orchard, Microbiology.  
 VAN VLECK, LLOYD D., Clearwater, Agriculture.  
 WRIGHT, CHARLES R. B., Lincoln, Mathematics.

## NEW HAMPSHIRE

*Predoctoral*

- JOHNSON, FREDERIC A., Concord, Chemistry.  
 WOLFENDEN, RICHARD V., Hanover, Zoology.

*Regular Postdoctoral*

- FITTS, DONALD D., Keene, Chemistry.

## NEW JERSEY

*Predoctoral*

- ANDERSEN, KENNETH K., Fords, Chemistry.  
 BALDESCHWIELER, JOHN D., Cranford, Chemistry.  
 BLAKER, J. WARREN, Rutherford, Chemistry.  
 BROWN, W. STANLEY, Lawrenceville, Physics.  
 BROWNE, GERARD M., Jersey City, Physics.  
 CASSIDY, WILLIAM A., Roselle Park, Earth Sciences.

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

CLARK, ALVIN J., Morristown, Biochemistry.

D'HEEDENE, ROBERT N., New Vernon, Mathematics.

DOLOTTA, THEODORE A., Vineland, Engineering.

DONNELLY, THOMAS W., Princeton, Earth Sciences.

DRESHER, SIDNIE M., Hackensack, Mathematics.

FEDERBUSH, PAUL G., Newark, Physics.

FLETCHER, JOHN G., Princeton, Physics.

FORER, ARTHUR H., Trenton, Zoology.

GOEBEL, CHARLES V., Jr., Harrington Park, Chemistry.

GOODYEAR, WILLIAM F., New Brunswick, Chemistry.

HEARST, JOHN E., East Orange, Chemistry.

HENRY, RICHARD W., Maplewood, Physics.

HUFNAGEL, ROBERT E., Pompton Plains, Engineering.

LARSEN, DAVID M., Hawthorne, Physics.

LEMAL, DAVID M., Fanwood, Chemistry.

LITVAK, MARVIN M., East Orange, Physics.

MATHER, WILLIAM B., Jr., Princeton, Chemistry.

MCGILL, GEORGE E., Princeton, Earth Sciences.

MILLER, BARRY,<sup>1</sup> Passaic, Chemistry.

O'BRIEN, PAUL J., Haddonfield, Biochemistry.

REINKEN, DONALD L., Plainfield, Mathematics.

ROSEN, GERALD H., Teaneck, Physics.

RUSCH, WILLARD V., Lambertville, Engineering.

RYERSON, GEORGE D., New Providence, Chemistry.

SAGAN, CARL E., Rahway, Astronomy.

SCHNITZER, HOWARD J., Newark, Physics.

STRUCK, CHARLES W., Hightstown, Chemistry.

VAUGHAN, WORTH E., Tenafly, Chemistry.

WEYMANN, RAY J., Princeton, Astronomy.

WILLEY, ROBERT B., Red Bank, Zoology.

ZANET, PAUL M., Clifton, Chemistry.

*Regular Postdoctoral*

- BROWER, JANE VAN ZANT, Madison, Zoology.  
 SHIELDS, GEORGE S.,<sup>1</sup> Ridgewood, Medical Sciences.  
 SWAN, RICHARD G., Boonton, Mathematics.  
 WEINBERG, STEVEN,<sup>1</sup> Princeton, Physics.  
 WEINER, IRWIN M., New Egypt, Medical Sciences.

*Senior Postdoctoral*

- BARNES, RODERICK A., Middlebush, Chemistry.  
 PINES, DAVID, Princeton, Physics.

*Science Faculty*

- BAKER, E. G. STANLEY, Madison, General Biology.  
 STIVALA, SALVATORE S., Fair Lawn, Chemistry.

## NEW MEXICO

*Predocctoral*

- COOPER, JAMES A., Albuquerque, Engineering.  
 LAUBER, JEAN, Albuquerque, Zoology.  
 PIERCE, ALLAN D., Las Cruces, Physics.  
 SCHMITT, HARRISON H.,<sup>1</sup> Silver City, Earth Sciences.  
 SWAIN, GEORGE R., Albuquerque, Engineering.

*Science Faculty*

- GREEN, JOHN R., Sandoval, Physics.

## NEW YORK

*Predocctoral*

- ADELBERG, ARNOLD M., Brooklyn, Mathematics.  
 ANDREADES, SAM, White Plains, Chemistry.  
 BARD, ALLEN J., Bronx, Chemistry.  
 BARRY, THOMAS W., Ithaca, Zoology.  
 BAUER, VICTOR J., White Plains, Chemistry.  
 BERKOWITZ, LEONARD, Brooklyn, Engineering.  
 BERSOHN, MALCOLM, New York, Chemistry.

<sup>1</sup> Declined.

- BIENENSTOCK, ARTHUR I., New York, Physics.  
 BLOOM, DAVID M., New York, Mathematics.  
 BOCK, WALTER J., Woodhaven, Zoology.  
 BOIKESS, ROBERT S., Brooklyn, Chemistry.  
 BRANDT, PETER W., New York, Engineering.  
 BYRNE, CHARLES J., Jr., Albany, Engineering.  
 CAHN, ROBERT D.,<sup>1</sup> Great Neck, Zoology.  
 CASSIE, ROBERT M., Lowville, Earth Sciences.  
 CHASE, STEPHEN U., New York, Mathematics.  
 CHINOWSKY, STANLEY, Brooklyn, Engineering.  
 COHEN, RICHARD L., Brooklyn, Physics.  
 COHEN, WILLIAM C., Brooklyn, Engineering.  
 CONTI, JAMES J., Brooklyn, Engineering.  
 DICK, STANLEY, Brooklyn, Microbiology.  
 DOLEN, RICHARD,<sup>1</sup> New York, Physics.  
 DUBNAU, DAVID A., Brooklyn, Zoology.  
 ECKERT, ROGER O., Bronx, Zoology.  
 ERNST, FREDERICK J., Jr., Ardsley, Physics.  
 FAGAN, JOHN J., Ridgewood, Earth Sciences.  
 FALB, PETER L., Brooklyn, Mathematics.  
 FEIN, ARTHUR, Brooklyn, Engineering.  
 FELDMAN, MARTIN, Brooklyn, Physics.  
 FERZIGER, JOEL H., Brooklyn, Engineering.  
 FLINT, OLIVER S., Jr., Ithaca, Zoology.  
 FREDKIN, DONALD R.,<sup>1</sup> New York, Mathematics.  
 FRIEDMAN, MORTON H.,<sup>1</sup> New York, Engineering.  
 FUDGE, MOLLY W., Manlius, Zoology.  
 FURSTENBERG, HARRY, New York, Mathematics.  
 GALLANT, JONATHAN A., Mount Vernon, Zoology.  
 GARDINER, WILLIAM C., Niagara Falls, Chemistry.  
 GELLER, MURRAY, Brooklyn, Chemistry.  
 GILINSKY, VICTOR, New York, Physics.  
 GLASHOW, SHELDON L., New York, Physics.  
 GOLDBERG, ABRAHAM, Staten Island, Physics.  
 GRIFFITHS, ROBERT B., New York, Physics.  
 GROSS, CHARLES G.,<sup>1</sup> Brooklyn, Zoology.

- HAFS, HAROLD D., Ithaca, Agriculture.  
 HARRINGTON, DAVID R., North Tonawanda, Physics.  
 HARRIS, MORTON E., Brooklyn, Mathematics.  
 HARRIS, THOMAS M., Lockport, Chemistry.  
 HELFAND, EUGENE, Brooklyn, Chemistry.  
 HERMES, MATTHEW E., St. Albans, Chemistry.  
 HORING, NORMAN J., Brooklyn, Physics.  
 HOROWITZ, EDWIN B., Jamaica, Biophysics.  
 HORRIGAN, FRANK A., New Rochelle, Physics.  
 IDDINGS, CARL K., Manhasset, Physics.  
 JAMES, ESTELLE, Brooklyn, Mathematical Economics.  
 JANOFF, AARON, Bronx, Zoology.  
 KABACK, STUART M., Brooklyn, Chemistry.  
 KADANOFF, LEO P., New York, Physics.  
 KAGAN, EILEEN K., Riverdale, Psychology.  
 KAHN, DANIEL S., Brooklyn, Mathematics.  
 KAHN, DONALD W., Rockaway Beach, Mathematics.  
 KAISER, ROBERT, New York, Engineering.  
 KATZ, THOMAS, J., Forest Hills, Chemistry.  
 KATZMAN, MARCIA H., Forest Hills, Genetics.  
 KAYE, NANCY W., New York, Zoology.  
 KLEIN, MILES V., Ithaca, Physics.  
 KLOTZ, TILLA S., New York, Mathematics.  
 KRISHER, LAWRENCE C., Livonia, Chemistry.  
 KURLAND, CHARLES G., Great Neck, Genetics.  
 LAMBERT, LORETTA, North Bellmore, Medical Sciences.  
 LEIBOWITZ, GERALD M., New York, Mathematics.  
 LEVIEN, ROGER E., Brooklyn, Engineering.  
 LE VINE, ROBERT A., Long Island City, Anthropology.  
 LEW, JOHN S., Larchmont, Physics.  
 LIGHT, JOHN C., Mount Vernon, Chemistry.  
 LUBELL, ALICE R., Brooklyn, Botany.
- LUBIN, JONATHAN D., Staten Island, Mathematics.  
 LYNCH, EUGENE J. M., Lafayette, Physics.  
 MAGE, ROSE G., New York, Microbiology.  
 MARCUS, MICHAEL B., Brooklyn, Mathematics.  
 MARVIN, DONALD A., Ossining, Biophysics.  
 MATELES, RICHARD I., New York, Biochemistry.  
 MCCABE, JOHN P., New York, Mathematics.  
 MCCARTHY, CHARLES A., Rochester, Mathematics.  
 MCCLURE, JAMES D., Glen Cove, Chemistry.  
 MCLEOD, DONALD W., Rochester, Physics.  
 MENES, JACK, Flushing, Engineering.  
 MEYER, STUART L., New York, Physics.  
 MILLER, RICHARD W., Buffalo, Biochemistry.  
 MINTZ, DONALD E.,<sup>1</sup> Forest Hills, Psychology.  
 MONSKY, PAUL H., Queens, Mathematics.  
 MORSE, ROBERT, Brooklyn, Physics.  
 OLANDER, DONALD R., New York, Engineering.  
 OLSEN, MARY J., Northport, Genetics.  
 ONLEY, JUDITH W., Rochester, Psychology.  
 PALEY, HIRAM, Rochester, Mathematics.  
 PEARLMAN, ROBERT, Long Beach, Mathematics.  
 PEEK, LAUREL L. S., Fair Haven, Chemistry.  
 PERSHAN, PETER S., Brooklyn, Physics.  
 PESKOFF, ARTHUR, Jamaica, Engineering.  
 RAPPAPORT, RHODA, New York, History of Science.  
 RICHTER, ALAN A., Brooklyn, Genetics.  
 RIND, KENNETH W., Brooklyn, Chemistry.  
 RODRIGUEZ, DAVID A., New Rochelle, Engineering.  
 ROSENBERG, DAVID, Brooklyn, Genetics.  
 ROZIN, PAUL N., Brooklyn, Psychology.  
 SAGE, MARTIN L.,<sup>1</sup> New York, Chemistry.  
 SALZMAN, ALICE J., Bronx, Chemistry.  
 SCHULT, ROY L., Geneva, Physics.  
 SCHULTZ, JOHN L., Brooklyn, Chemistry.  
 SCHULTZ, JONAS, Brooklyn, Physics.  
 SCHUSTER, DAVID I., Cedarhurst, Chemistry.  
 SEECOF, ROBERT L., New York, Genetics.  
 SEERY, VIRGINIA L., Elmont, Zoology.

<sup>1</sup> Declined.

SHAPIRO, ROBERT, New York, Chemistry.  
SHIMAN, PAUL L., New York, Theory of Games.

SHURE, FRED C., New York, Physics.  
SILVER, MARC S., New Rochelle, Chemistry.

SMITH, DAVID Y., Schenectady, Physics.  
SMITH, KATHERINE A., Rockville Centre, Psychology.

SPIEGEL, STANLEY L.,<sup>1</sup> New York, Physics.  
STAFFORD, FRED E., Bronx, Chemistry.  
STARK, GEORGE R., New York, Biochemistry.

STERNHEIM, MORTON M., New York, Physics.

STEWART, DARYL G., Ithaca, Agriculture.  
STRAUSS, HERBERT L., Kew Gardens, Chemistry.

STRUMEYER, DAVID H., Brooklyn, Biochemistry.

SWIFT, MICHAEL R., Brooklyn, Mathematics.

TAUSNER, MENASHA J., Bronx, Physics.  
TAYLOR, HOWARD S.,<sup>1</sup> Bronx, Chemistry.  
THORNDIKE, EDWARD H., Montrose, Physics.

TOBIAS, IRWIN, Brooklyn, Chemistry.  
TOOMRE, ALAR,<sup>1</sup> Hempstead, Engineering.  
VINCOW, GERSHON, Brooklyn, Chemistry.

VOGL, JOSEPH L., Richmond Hill, Physics.

VOZICK, MICHAEL W., New York, Biochemistry.

WARNER, ROBERT E., Rochester, Physics.  
WEBB, JULIAN P., Rochester, Physics.

WEHN, DONALD, Brooklyn, Mathematics.  
WHALAND, NORMAN D., Jr., Delmar, Mathematics.

WYTTENBACH, CHARLES R., Elmira, Zoology.

ZWICKEL, ALLAN M., Lynbrook, Chemistry.

*Regular Postdoctoral*

BAUM, LEONARD E., Brooklyn, Mathematics.

BOL, KEES, Levittown, Physics.  
BONVENTRE, PETER, Brooklyn, Microbiology.

DAVIS, HORACE C., Bronxville, Mathematics.

GRAY, JULIET M., Brooklyn, Psychology.  
HECHT, CHARLES E., Brooklyn, Chemistry.

HERTZIG, DAVID, Brooklyn, Mathematics.  
HERZ, CARL S.,<sup>1</sup> Ithaca, Mathematics.  
KOOSIS, PAUL J., Scarsdale, Mathematics.

LANDOVITZ, LEON F., Brooklyn, Physics.  
LAUFER, HANS,<sup>1</sup> Ithaca, Zoology.  
LUBKIN, ELIHU,<sup>1</sup> Brooklyn, Physics.  
MAZUR, PETER, New York, Medical Sciences.

ROCKMORE, RONALD M., Brooklyn, Physics.

RUBEL, LEE A., New York, Mathematics.  
SOLA, DONALD F., Trumansburg, Anthropology.

SOMMERFIELD, CHARLES M., Brooklyn, Physics.

*Senior Postdoctoral*

ALLEN, ELSA G., Ithaca, Convergent Field.

BERSOHN, RICHARD, Cornell University, Chemistry.

KORF, RICHARD P., Trumansburg, Botany.

*Science Faculty*

DICKSON, DOUGLAS G., New York, Mathematics.

EVANS, HOWARD E., Ithaca, Zoology.  
GOULD, EDWIN S., Astoria, Chemistry.  
GUGIG, WILLIAM, Brooklyn, Chemistry.  
KINGSBURY, JOHN M., Ithaca, General Biology.

MACDOWELL, ROBERT W., Rochester, Mathematics.

NISTERUK, CHESTER J., Brooklyn, Physics.

PETERS, RUTH M., Canton, Mathematics.  
TAYLOR, FRANCIS B., Bronx, Mathematics.

VAN ALSTYNE, JOHN P., Clinton, Mathematics.

NORTH CAROLINA

*Predoctoral*

ALEXANDER, SHELTON S., Statesville, Earth Sciences.

DEARMAN, HENRY H., Statesville, Chemistry.

FLACCUS, EDWARD, Durham, Botany.

<sup>1</sup> Declined.



HORNER, SALLY M., Chapel Hill, Chemistry.

MANSFIELD-JONES, DOROTHY, Durham, Botany.

MCGEIVER, SAMUEL F.,<sup>1</sup> Asheboro, Engineering.

MEWBORN, ANCEL C., Chapel Hill, Mathematics.

MULDROW, CHARLES N., Jr., Hendersonville, Chemistry.

POSTMA, HERMAN, Wilmington, Physics.

SNIPES, CHARLES A., Sylva, Zoology.

SNIPES, RAYMOND F., Reidsville, Chemistry.

YOW, FRANCIS W., Asheville, Zoology.

*Regular Postdoctoral*

STINESPRING, W. FORREST, Durham, Mathematics.

*Senior Postdoctoral*

JONES, F. BURTON, Chapel Hill, Mathematics.

*Science Faculty*

GALLEN, JOHN B., Davidson, Chemistry.

MEDLIN, GENE W., Greensboro, Mathematics.

NORTH DAKOTA

*Predoctoral*

PARKER, DAVID J., Fargo, Chemistry.

VINJE, JOHN C., Gardner, Earth Sciences.

OHIO

*Predoctoral*

BOOTS, DAVID A., Akron, Earth Sciences.

BROWN, THOMAS A. Wright-Patterson AFB, Mathematics.

BURFORD, ARTHUR E., North Olmsted, Earth Sciences.

BUTLER, JAMES N., Lakewood, Chemistry.

CALAHAN, DONALD A., Cincinnati, Engineering.

CARNAHAN, BRIGE, New Philadelphia, Engineering.

CARRUTHERS, PETER A., Middletown, Physics.

CLARK, ALLAN H., Silvertown, Mathematics.

CLARK, THOMAS, J., St. Marys, Chemistry.

EK, FREDERICK L., Cuyahoga Falls, Physics.

ELDER, CAROL-ANN, Cleveland Heights, Botany.

FARRAND, WILLIAM R., Columbus, Earth Sciences.

FEIL, JOSEPH N., Cuyahoga Falls, Engineering.

HELLING, MARTIN, Canton, Mathematics.

HELMS, CARL W., Bowling Green, Zoology.

HUFF, ROBERT W., Canton, Physics.

KRAPP, PAUL J., Springfield, Chemistry.

LENHART, P. GALEN, Arcanum, Biophysics.

LOWENSTEIN, CARL D., Kent, Physics.

MALONEY, WILLIAM T., Jr., Niles, Engineering.

MARSHALL, THOMAS C., Cleveland, Physics.

McKISSICK, ROBERT J., Coshocton, Mathematics.

MILLER, ROGER H., Dayton, Physics.

OGG, ANDREW P., Bowling Green, Mathematics.

REED, NANCY L., Columbus, Biochemistry.

RESHOTKO, ELI,<sup>1</sup> Cleveland, Engineering.

ROSEN, RONALD H., Cleveland Heights, Mathematics.

SIMPSON, ANNA L., Oberlin, Psychology.

SLAGGIE, E. LEO, Dayton, Physics.

VENETTA, BENJAMIN D., Cleveland, Zoology.

VON DER EMBSE, URBAN A., Kalida, Engineering.

YOUNG, ANDREW T., Massillon, Astronomy.

*Regular Postdoctoral*

AUSTIN, DONALD G., Columbus, Mathematics.

BAUGHMAN, D. JOE, Cleveland, Biophysics.

RAUSCH, MARVIN D., Dayton, Chemistry.

TOBIAS, RUSSELL S.,<sup>1</sup> Columbus, Chemistry.

*Senior Postdoctoral*

POTTER, PAUL E., Cincinnati, Mathematics.

RUDNEY, HARRY, Cleveland, Biochemistry.

<sup>1</sup> Declined.

*Science Faculty*

- BOHNING, RICHARD H., Columbus, Botany.  
 CURRY, THOMAS H., Athens, Physical Sciences.  
 HOLYOKE, THOMAS C., Oxford, Physics.  
 LABORDE, HASELL T., Cincinnati, Mathematics.  
 PENDROTTI, LENO S., New Carlisle, Physics.  
 STEINER, LUKE E., Oberlin, Chemistry.

## OKLAHOMA

*Predoctoral*

- BOYER, DON R., Oklahoma City, Zoology.  
 CROWLEY, JOHN M., Tulsa, Agriculture.  
 DABNEY, JOE M., Oklahoma City, Medical Sciences.  
 DENISON, GILBERT W., Norman, Engineering.  
 FRETWELL, LYMAN J., Jr., Tulsa, Physics.  
 HEDGES, FRANK, Stillwater, Engineering.  
 KRUGER, ROBERT A., Oklahoma City, Engineering.  
 LOVEJOY, CAROLYN A., Oklahoma City, Chemistry.

## OREGON

*Predoctoral*

- BALL, JAMES B., Estacada, Chemistry.  
 COLE, GLEN H., Portland, Anthropology.  
 DE BAR, ROGER B., Eugene, Physics.  
 DRUMMOND, WILLIAM E., Portland, Physics.  
 KIND, PHYLLIS D., Portland, Microbiology.  
 KUEHL, LE ROY R., Corvallis, Biochemistry.  
 NEWTON, RICHARD M., Corvallis, Biochemistry.  
 OHLSEN, GERALD G., Eugene, Physics.  
 RITCHIE, ROBERT W., Portland, Mathematics.

*Senior Postdoctoral*

- KING, TSOO E., Corvallis, Biochemistry.

*Science Faculty*

- LARSON, MILTON B., Corvallis, Engineering.  
 TRIGG, GEORGE L., Corvallis, Physics.

<sup>1</sup> Declined.

## PENNSYLVANIA

*Predoctoral*

- AARON, RONALD, Philadelphia, Physics.  
 ASKEY, RICHARD A., Allentown, Mathematics.  
 BERTRAM, WALTER J., Jr., Pittsburgh, Physics.  
 BODOIA, JOHN R., Monessen, Engineering.  
 BOHACHEVSKY, IHOR O., Philadelphia, Mathematics.  
 BRICE, MARTHA C., Glenside, Zoology.  
 BURGIN, WALTER H., Jr., Camp Hill, Mathematics.  
 CARPENTER, JOHN M.,<sup>1</sup> Williamsport, Engineering.  
 CAVANAUGH, JAMES R., Wyndmoor, Chemistry.  
 COX, DAVID J., Swarthmore, Biochemistry.  
 COX, WALTER M., Glenside, Earth Sciences.  
 DAVIES, K. THOMAS R., Pittsburgh, Physics.  
 EARLE, CLIFFORD J., Jr., Philadelphia, Mathematics.  
 EVANS, DAVID W., Erie, Agriculture.  
 FRENCH, THAYER C., Sewickley, Biochemistry.  
 GAGNON, RALPH J., Kingsley, Engineering.  
 GLADFELTER, WILBERT E., Ridley Park, Medical Sciences.  
 GLARUM, SIVERT H.,<sup>1</sup> Wyncote, Chemistry.  
 GOLLUB, LEWIS R., Philadelphia, Psychology.  
 GOUTERMAN, MARTIN P., Philadelphia, Physics.  
 GROOM, DONALD E., Turtle Creek, Physics.  
 HALL, ROBERT D., Philadelphia, Psychology.  
 HATCH, THEODORE F., Jr., Pittsburgh, Engineering.  
 HILL, E. ALEXANDER, III, Carnegie, Chemistry.  
 HIRSCHFELD, JUDITH B., Pittsburgh, Mathematics.  
 HOHMANN, JERE W., Volant, Engineering.  
 JOHNS, LEWIS E., Jr., Pittsburgh, Engineering.  
 JONES, EVAN T., Rosemont, Chemistry.

- JONES, RICHARD H., Ridley Park, Engineering.
- KARLIN, ARTHUR,<sup>1</sup> Philadelphia, Biophysics.
- KAUFFMAN, MARVIN E., Lancaster, Earth Sciences.
- KRAMER, JOHN D. R., Jr., Philadelphia, Engineering.
- LANGER, JAMES S., Pittsburgh, Physics.
- LOVE, WILLIAM A., Pittsburgh, Physics.
- MARTIN, E. DALE, Lancaster, Engineering.
- M McNUTT, DOUGLAS P., Philadelphia, Physics.
- MCWILLIAMS, IAN G., Philadelphia, Physics.
- MELNGAILIS, IVARS,<sup>1</sup> Pittsburgh, Engineering.
- MILEY, GEORGE H., II, Petrolia, Engineering.
- MORRISON, JAMES L., Pittsburgh, Physics.
- MULLHAUPT, J. TIMOTHY, Warren, Chemistry.
- MUNSON, RONALD A., Lancaster, Chemistry.
- OLENICZAK, ALBERT T.,<sup>1</sup> Philadelphia, Engineering.
- ORTTUNG, WILLIAM H.,<sup>1</sup> Narberth, Chemistry.
- PENDLETON, HUGH N., III, Pittsburgh, Physics.
- ROBINSON, BRUCE B., Brookhaven, Physics.
- ROCKMORE, DAVID M.,<sup>1</sup> Cambridge Springs, Physics.
- ROTHBERG, JOSEPH E., Philadelphia, Physics.
- SARTORY, WALTER K., Pittsburg, Engineering.
- SCHMOYER, LAURENCE F., Allentown, Engineering.
- SHAPIRO, GILBERT, Philadelphia, Physics.
- SHAW, LEONARD G., Philadelphia, Engineering.
- SHEPPARD, RICHARD A., Lancaster, Earth Sciences.
- SHER, LAWRENCE D., Merion, Physics.
- SIMMONS, VIOLET E., Philadelphia, Chemistry.
- SMITH, GEORGE E., Upper Darby, Physics.
- SMITH, GERALD J., Jr., Newtown Square, Mathematics.
- SMOLINSKY, GERALD, Philadelphia, Chemistry.
- SNYDER, EUGENE I., Philadelphia, Chemistry.
- SNYDER, LAWRENCE C., Pittsburgh, Chemistry.
- STEIN, FRED P., Dallastown, Engineering.
- THORNTON, H. FRANCIS, Philadelphia, Mathematics.
- VAISNYS, JUOZAS R., Philadelphia, Chemistry.
- VAN VALEN, LEIGH, Harrisburg, Zoology.
- WINDGASSEN, RICHARD J., Jr., Allison Park, Chemistry.
- WOODS, ROBERT M., Jr., New Wilmington, Physics.

*Regular Postdoctoral*

- COHEN, LEONARD A., Pittsburgh, Medical Sciences.
- DUBINS, LESTER E., Pittsburgh, Mathematics.
- FRYSINGER, GALEN R., Lancaster, Chemistry.
- STEELE, WILLIAM A., State College, Chemistry.

*Senior Postdoctoral*

- KOHMAN, TRUMAN P., Pittsburgh, Chemistry.
- KOHN, WALTER, Chatham, Physics.

*Science Faculty*

- GROVE, DAVISON G., Chambersburg, General Biology.
- HEATH, DOUGLAS H., Rosemont, Psychology.
- RICHARDSON, ARCHIE M., Jr., Tarentum, Engineering.
- RUMPF, JOHN L., Bethayres, Engineering.

## RHODE ISLAND

*Predoctoral*

- BEAUDET, ROBERT A., Woonsocket, Chemistry.
- BURTON, PAUL E., Warwick, Chemistry.
- CAMPBELL, DONALD R., Providence, Chemistry.
- EINSTEIN, JULIAN R., Providence, Medical Sciences.
- FLYNN, GEORGE P., Jr., Warren, Chemistry.

<sup>1</sup> Declined.

SZYMANSKI, JOSEPH J., Providence,  
Physics.

*Regular Postdoctoral*

MURPHY, EDWARD L., Cranston, Physics.

SOUTH CAROLINA

*Predocctoral*

DEGGES, THOMAS C., Heath Springs,  
Physics.

HAMILTON, CHARLES R., Greenville, Bio-  
physics.

KING, HAROLYN, St. George, Chemistry.

*Science Faculty*

WOOD, BURRELL L., Jr., Greenville, Bio-  
chemistry.

SOUTH DAKOTA

*Predocctoral*

MINEHART, RALPH C., Mitchell, Physics.

*Regular Postdoctoral*

BILLINGSLEY, PATRICK P., Sioux Falls,  
Mathematics.

*Science Faculty*

BEDWELL, THOMAS H., Springfield,  
Physics.

TENNESSEE

*Predocctoral*

BLAIR, JAMES C., Bristol, Engineering.

BLANKENBECLER, RICHARD, Kingsport,  
Physics.

CHADWELL, ANDREW J., Jr., Knoxville,  
Chemistry.

COOK, CLARENCE E., Jefferson City,  
Chemistry.

GRAHAM, WILLIAM H., Jackson, Chem-  
istry.

WALLACE, WILLIAM J., Clinton, Chem-  
istry.

*Regular Postdoctoral*

DURAND, LOYAL, III, Knoxville, Physics.

*Science Faculty*

KEENAN, CHARLES W., Knoxville, Con-  
vergent Field.

MYLES, MARION R., Nashville, Botany.

<sup>1</sup> Declined.

RAWLS, JOHN M., Clarksville, Zoology.  
STEVENSON, RICHARD, Johnson City,  
Genetics.

TEXAS

*Predocctoral*

ABBOTT, WALTER P., Bryan, Zoology.

ARONS, HOWARD L., Dallas, Chemistry.

ASHBY, NEIL, Dalhart, Physics.

BARNES, VIRGIL E., II,<sup>1</sup> Austin, Physics.

BRANS, CARL H., Dallas, Physics.

CLAYTON, DONALD D., Dallas, Physics.

COLE, HENRY D. F., Brownwood, Chem-  
istry.

COLGATE, SAM O., Amarillo, Chemistry.

DAVISON, VEE E., San Antonio, Zoology.

KOTZEBUE, KENNETH L.,<sup>1</sup> San Antonio,  
Engineering.

MANUEL, THOMAS A.,<sup>1</sup> Austin, Chem-  
istry.

MONGER, JOANNE, Beaumont, Mathe-  
matics.

PECK, CHARLES W., Freer, Physics.

PONDROM, LEE G., Dallas, Physics.

ROBERTS, LARRY S., Dallas, Zoology.

STUBBLEFIELD, TRAVIS E., Denton, Medi-  
cal Sciences.

*Regular Postdoctoral*

AGOSTA, WILLIAM C.,<sup>1</sup> Dallas, Chemistry.

COLE, ARTHUR,<sup>1</sup> Houston, Biophysics.

*Science Faculty*

ANDERSON, MILES E., Denton, Physics.

BISER, ROY H., Jr., Beaumont, Physics.

BRADLEY, LILLIAN K., Tyler, Mathematics.

LAMOTTE, CHARLES, College Station,  
Botany.

TULLOCH, LYNN H., San Marcos, Mathe-  
matics.

UTAH

*Predocctoral*

CHRISTIANSEN, JERALD N., Logan, Engi-  
neering.

PINCOCK, RICHARD E., Ogden, Chemistry.

SAGERS, RICHARD D., Tooele, Microbi-  
ology.

SHAW, ALAN W., Brigham City, Engi-  
neering.

## VERMONT

*Regular Postdoctoral*

MACARTHUR, ROBERT H., Newfane,  
Zoology.

*Science Faculty*

SMITH, HOWARD M., Jr., Colchester,  
Engineering.

## VIRGINIA

*Predocctoral*

BLAND, SAMUEL R., Warwick, Physics.

BOBERG, THOMAS C., Falls Church, Engi-  
neering.

BURKHARDT, SAMUEL F.,<sup>1</sup> Falls Church,  
Engineering.

COLEMAN, SAMUEL H., Roanoke, Mathe-  
matics.

EANES, EDWARD D., Williamsburg, Chem-  
istry.

FIELD, PETER B., Falls Church, Psychol-  
ogy.

GEORGE, MELVIN D., Arlington, Mathe-  
matics.

HANSON, CHARLES L., Alexandria, Zo-  
ology.

LIGHT, ROBLEY, J.,<sup>1</sup> Roanoke, Chemistry.

PARDUE, MARY L., Blacksburg, Genetics.

PENNISTON, JOHN T., Fairfax, Chemistry.

PORTERFIELD, WILLIAM W., Richmond,  
Chemistry.

WAMPLER, JESSE M., Bridgewater, Earth  
Sciences.

WEYHMANN, WALTER V., Roanoke,  
Physics.

ZUCHELLI, A. JOSEPH, Jr., Charlottes-  
ville, Physics.

*Senior Postdoctoral*

STEVENS, EDWARD C., Charlottesville,  
Physics.

*Science Faculty*

GROSS, PAUL M., Jr., Charlottesville,  
Chemistry.

## WASHINGTON

*Predocctoral*

ANDERSON, STUART L., Seattle, Mathe-  
matics.

<sup>1</sup> Declined.

ANEX, BASIL G., Seattle, Chemistry.

BROWN, RONALD E., Everett, Physics.

BURK, HAROLD W., Tacoma, Psychology.

CHANG, DAVID B., Seattle, Physics.

COLE, DALE W., Everett, Agriculture.

CRAVEN, JAMES M., Seattle, Chemistry.

FLUHARTY, ARVAN L., Seattle, Biochem-  
istry.

GOSE, EARL E., Aberdeen, Engineering.

HARMON, KENNETH M., Seattle, Chem-  
istry.

LINSTROM, CAROL J., Tacoma, Micro-  
biology.

MERCHANT, HOWARD C., Bothell, Engi-  
neering.

METZ, PETER R., Seattle, Engineering.

MINTON, ROBERT G., Seattle, Chemistry.

MOTTELER, ZANE C., Olympia, Mathe-  
matics.

MYHRE, PHILIP C., Seattle, Chemistry.

PHELPS, ROBERT R., Seattle, Mathe-  
matics.

RUPLEY, JOHN A., Seattle, Biochemistry.

SAGLE, ARTHUR A., Seattle, Mathematics.

SEEDS, ROBERT B., Vancouver, Engineer-  
ing.

STRANG, WILLIAM G., Seattle, Mathe-  
matics.

*Regular Postdoctoral*

BUSTAD, LEO K., Richland, Medical Sci-  
ences.

MCCOY, LAYTON, L., Seattle, Chemistry.

WALTER, JOHN H., Seattle, Mathematics.

*Senior Postdoctoral*

HALPERN, ISAAC, Seattle, Physics.

*Science Faculty*

ANDERSON, NORMAN R., Tacoma, Earth  
Sciences.

MARIANI, TONI N., Spokane, Medical Sci-  
ences.

## WEST VIRGINIA

*Predocctoral*

BAULD, NATHAN L., Clarksburg, Chem-  
istry.

HIGHLAND, VIRGIL L.,<sup>1</sup> Clarksburg, Phys-  
ics.

PIERSON, WILLIAM R., Charleston, Chem-  
istry.

## WISCONSIN

*Predoctoral*

- BOWMAN, ROBERT E., Madison, Psychology.
- BROWN, RICHARD I., Milwaukee, Physics.
- BUSHNELL, WILLIAM R., Madison, Botany.
- CUMMISFORD, PATRICIA D., Milwaukee, Medical Sciences.
- FALLGATTER, MICHAEL B., Waupaca, Chemistry.
- FRAUTSCHI, STEVEN C., Madison, Physics.
- GOODRICH, KENNETH P., Milwaukee, Psychology.
- GROVES, STEVEN H., Madison, Physics.
- HABERSTROH, ROBERT A., Wauwatosa, Physics.
- HENSEL, GUSTAV B., Sheboygan, Mathematics.
- JACOB, RICHARD L., Ripon, Physics.
- KINGSLEY, JACK D., Madison, Physics.
- LAUDON, RICHARD B., Waunakee, Earth Sciences.
- MARDEN, ALBERT, Milwaukee, Mathematics.
- MEYER, RICHARD T., Madison, Chemistry.
- PFEFFERKORN, ELMER R., Manitowoc, Medical Sciences.
- POMRANING, GERALD C.,<sup>1</sup> Oshkosh, Engineering.
- REIBEL, SAMUEL F.,<sup>2</sup> Madison, Microbiology.
- ROESLER, FRED L., Wauwatosa, Physics.
- SHARP, TERRY E., La Crosse, Chemistry.
- STEIGELMANN, EDWARD F., Milwaukee, Chemistry.
- WALECKA, JOHN D.,<sup>1</sup> Wauwatosa, Physics.
- ZIEGLER, JUDITH A., Eau Claire, Psychology.

*Regular Postdoctoral*

- BATES, ROBERT B.,<sup>1</sup> Madison, Chemistry.
- GREENKORN, ROBERT A., Madison, Engineering.
- HOEKSTRA, WILLIAM G.,<sup>1</sup> Madison, Biochemistry.

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

MORTER, RAYMOND L., Lodi, Medical Sciences.

*Senior Postdoctoral*

- HAGEDORN, DONALD J., Madison, Botany.
- HIRSCHFELDER, JOSEPH O., Middleton, Chemistry.
- McSHAN, WILLIAM H., Madison, Biochemistry.

*Science Faculty*

- JAGGARD, ROBERT A., Milwaukee, Physics.
- ROWE, CHANDLER W., Appleton, Anthropology.
- WAHLSTROM, LAWRENCE F., Eau Claire, Mathematics.

## WYOMING

*Predoctoral*

- BUCKINGHAM, WILLIAM J., Jackson, Mathematics.
- DEFPEYES, KENNETH S., Casper, Earth Sciences.
- KLEINDIENST, MAXINE R., Superior, Anthropology.
- TALBERT, WILLARD L., Jr., Casper, Physics.

## ALASKA

*Predoctoral*

- CHRISTENSEN, MARK N., College, Earth Sciences.

*Science Faculty*

- HOSKINS, JOHN R., College, Engineering.
- SARGENT, CHARLES, College, Engineering.

## HAWAII

*Predoctoral*

- MURASHIGE, TOSHIO, Hilo, Botany.

*Science Faculty*

- DIGMAN, JOHN M., Honolulu, Psychology.

## PUERTO RICO

*Predoctoral*

- LEVINS, RICHARD, Yacuco, Genetics.

*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Undergraduates and Graduate Students*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as undergraduates</i>	<i>Attended as graduate students<sup>1</sup></i>
Adelbert College, Cleveland, Ohio.....	2	.....
Albion College, Albion, Mich.....	2	.....
Allegheny College, Meadville, Pa.....	1	.....
Amarillo College, Amarillo, Tex.....	1	.....
Amherst College, Amherst, Mass.....	1	1
Antioch College, Yellow Springs, Ohio.....	2	.....
Arlington State College, Arlington, Tex.....	1	.....
Asheville-Biltmore College, Asheville, N. C.....	1	.....
Assumption College, Worcester, Mass.....	1	.....
Atlantic Union College, South Lancaster, Mass.....	1	.....
Balliol College, Oxford, England.....	1	.....
Barnard College, New York, N. Y.....	4	.....
Bethel College, North Newton, Kans.....	1	.....
Boston College, Chestnut Hill, Mass.....	1	.....
Boston University, Boston, Mass.....	.....	2
Bowling Green State University, Bowling Green, Ohio.....	2	1
Bradford Durfee Technical Institute, Fall River, Mass.....	1	.....
Brandeis University, Waltham, Mass.....	2	<sup>2</sup> 2
Bridgewater College, Bridgewater, Va.....	1	.....
Brigham Young University, Provo, Utah.....	3	3
Brooklyn College, Brooklyn, N. Y.....	7	1
Brooklyn Polytechnic Institute, Brooklyn, N. Y.....	7	3
Brown University, Providence, R. I.....	4	10
Bryn Mawr College, Bryn Mawr, Pa.....	1	.....
Butler University, Indianapolis, Ind.....	1	.....
California Institute of Technology, Pasadena, Calif.....	23	49
Calvin College, Grand Rapids, Mich.....	1	.....
Carleton College, Northfield, Minn.....	5	.....
Carnegie Institute of Technology, Pittsburgh, Pa.....	21	12
Carson-Newman College, Jefferson City, Tenn.....	2	.....
Case Institute of Technology, Cleveland, Ohio.....	5	2
Catholic University of America, Washington, D. C.....	1	1
Cedar Crest College, Allentown, Pa.....	1	.....
Central Washington College of Education, Ellensburg, Wash.....	1	.....
Chaffey College, Ontario, Calif.....	1	.....
Chicago Teachers College, Chicago, Ill.....	.....	1
Christian Brothers College, Memphis, Tenn.....	1	.....
City College of New York, New York, N. Y.....	9	.....
Claremont Graduate School, Claremont, Calif.....	.....	3
College of Charleston, Charleston, S. C.....	1	.....
College of Puget Sound, Tacoma, Wash.....	1	.....
College of St. Catherine, St. Paul, Minn.....	1	.....

<sup>1</sup> This column includes number of fellows who have attended the university listed as graduate students prior to the academic year 1957-58 or plan to attend the listed university as NSF fellows during 1957-58.

<sup>2</sup> Summer session only.

*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Under-graduates and Graduate Students—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as under- gradu- ates</i>	<i>Attended as graduate students<sup>1</sup></i>
College of St. Thomas, St. Paul, Minn. . . . .	2	. . . . .
College of William & Mary, Williamsburg, Va. . . . .	3	. . . . .
College of Wooster, Wooster, Ohio. . . . .	2	. . . . .
Colorado College, Colorado Springs, Colo. . . . .	2	. . . . .
Colorado School of Mines, Golden, Colo. . . . .	3	1
Colorado State University, Fort Collins, Colo. . . . .	1	1
Columbia University, New York, N. Y. . . . .	21	35
Concordia College, Moorhead, Minn. . . . .	1	. . . . .
Cooper Union, New York, N. Y. . . . .	1	. . . . .
Cornell University, Ithaca, N. Y. . . . .	28	29
Dartmouth College, Hanover, N. H. . . . .	5	. . . . .
Denison University, Granville, Ohio. . . . .	1	. . . . .
De Paul University, Chicago, Ill. . . . .	1	2
De Pauw University, Greencastle, Ind. . . . .	4	. . . . .
Drexel Institute of Technology, Philadelphia, Pa. . . . .	6	. . . . .
Duke University, Durham, N. C. . . . .	2	9
Earlham College, Richmond, Ind. . . . .	1	. . . . .
Eastman School of Music, Rochester, N. Y. . . . .	1	. . . . .
El Camino College, El Camino College, Calif. . . . .	1	. . . . .
Emory University, Emory University, Ga. . . . .	1	3
Everett Junior College, Everett, Wash. . . . .	1	. . . . .
Exeter College, Oxford, England. . . . .	. . . . .	1
Florida State University, Tallahassee, Fla. . . . .	1	4
Fordham University, New York, N. Y. . . . .	1	. . . . .
Franklin & Marshall College, Lancaster, Pa. . . . .	4	. . . . .
George August University, Gottingen, Germany. . . . .	. . . . .	1
Georgetown University, Washington, D. C. . . . .	1	. . . . .
George Washington University, Washington, D. C. . . . .	2	2
Georgia Institute of Technology, Atlanta, Ga. . . . .	1	. . . . .
Gettysburg College, Gettysburg, Pa. . . . .	1	. . . . .
Goshen College, Goshen, Ind. . . . .	1	. . . . .
Goucher College, Baltimore, Md. . . . .	1	. . . . .
Graceland College, Lamoni, Iowa. . . . .	1	. . . . .
Grand Rapids Junior College, Grand Rapids, Mich. . . . .	1	. . . . .
Grays Harbor College, Aberdeen, Wash. . . . .	1	. . . . .
Grinnell College, Grinnell, Iowa. . . . .	1	. . . . .
Gustavus Adolphus College, St. Peter, Minn. . . . .	1	. . . . .
Hamline University, St. Paul, Minn. . . . .	1	. . . . .
Harding College, Searcy, Ark. . . . .	1	. . . . .
Harvard University, Cambridge, Mass. . . . .	29	113
Haverford College, Haverford, Pa. . . . .	3	. . . . .
Herzl Junior College, Chicago, Ill. . . . .	1	. . . . .
Howard College, Birmingham, Ala. . . . .	1	. . . . .
Hunter College, New York, N. Y. . . . .	. . . . .	2
Illinois Institute of Technology, Chicago, Ill. . . . .	5	1
Immaculate Heart College, Los Angeles, Calif. . . . .	1	. . . . .

<sup>1</sup> See footnote page 201.



*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Undergraduates and Graduate Students—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as undergraduates</i>	<i>Attended as graduate students<sup>1</sup></i>
Indiana University, Bloomington, Ind. . . . .	6	5
Iowa State College, Ames, Iowa . . . . .	10	6
Jacksonville Junior College, Jacksonville, Fla. . . . .	1	.....
James Millikin University, Decatur, Ill. . . . .	1	.....
Jersey City Junior College, Jersey City, N. J. . . . .	1	.....
Johns Hopkins University, Baltimore, Md. . . . .	4	14
Joliet Junior College, Joliet, Ill. . . . .	1	.....
Julliard School of Music, New York, N. Y. . . . .	1	.....
Kalamazoo College, Kalamazoo, Mich. . . . .	1	.....
Kansas City Junior College, Kansas City, Mo. . . . .	1	.....
Kansas State College, Manhattan, Kans. . . . .	3	1
Kansas State Teachers College, Emporia, Kans. . . . .	1	.....
Kent State University, Kent, Ohio. . . . .	1	.....
Kentucky Wesleyan College, Winchester, Ky. . . . .	1	.....
Kenyon College, Gambier, Ohio. . . . .	1	.....
Keystone Junior College, La Plume, Pa. . . . .	1	.....
King College, Bristol, Tenn. . . . .	1	.....
King's College, London, England. . . . .	.....	1
Knox College, Galesburg, Ill. . . . .	.....	1
Lafayette College, Easton, Pa. . . . .	1	.....
Lamar State College of Technology, Beaumont, Tex. . . . .	1	.....
Lawrence College, Appleton, Wis. . . . .	2	.....
Lehigh University, Bethlehem, Pa. . . . .	7	.....
Long Island Biological Laboratory, Cold Springs Harbor, N. Y. . . . .	.....	<sup>2</sup> 1
Los Angeles City College, Los Angeles, Calif. . . . .	1	.....
Los Angeles State College, Los Angeles, Calif. . . . .	1	.....
Louisiana State University, Baton Rouge, La. . . . .	2	2
Loyola University, Chicago, Ill. . . . .	2	2
Loyola University, New Orleans, La. . . . .	2	.....
Luther College, Decorah, Iowa. . . . .	1	.....
Lyons Township Junior College, La Grange, Ill. . . . .	1	.....
Manchester College, North Manchester, Ind. . . . .	1	.....
Manhattan College, New York, N. Y. . . . .	3	.....
Marine Biological Laboratory, Woods Hole, Mass. . . . .	.....	<sup>2</sup> 2
Mason City Junior College, Mason City, Iowa. . . . .	1	.....
Massachusetts Institute of Technology, Cambridge, Mass. . . . .	36	66
Meredith College, Raleigh, N. C. . . . .	1	.....
Messiah College, Grantham, Pa. . . . .	1	.....
Miami University, Oxford, Ohio. . . . .	2	.....
Michigan College of Mining & Technology, Houghton, Mich. . . . .	1	.....
Michigan State University, East Lansing, Mich. . . . .	2	4
Middlebury College, Middlebury, Vt. . . . .	<sup>2</sup> 1	.....
Mississippi Southern College, Hattiesburg, Miss. . . . .	1	.....
Mississippi State College, State College, Miss. . . . .	1	.....
Missouri School of Mines, Rolla, Mo. . . . .	1	.....

<sup>1</sup> See footnote page 201.

<sup>2</sup> Summer session only.

*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Under-graduates and Graduate Students—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as under- gradu- ates</i>	<i>Attended as graduate students<sup>1</sup></i>
Montana State University, Missoula, Mont. . . . .	3	1
Mount Holyoke College, South Hadley, Mass. . . . .	3	. . . . .
Mount St. Mary's College, Emmitsburg, Md. . . . .	1	. . . . .
Mundelein College, Chicago, Ill. . . . .	1	. . . . .
Municipal University of Wichita, Wichita, Kans. . . . .	2	1
Nebraska Wesleyan University, Lincoln, Nebr. . . . .	1	. . . . .
Newark College of Engineering, Newark, N. J. . . . .	1	. . . . .
New Jersey State Teachers College, Upper Montclair, N. J. . . . .	1	. . . . .
New Mexico College of Agriculture and Mechanic Arts, State Col- lege, N. Mex. . . . .	3	. . . . .
New York University, New York, N. Y. . . . .	7	4
North Carolina State College of Agriculture and Engineering, Raleigh, N. C. . . . .	. . . . .	3
North Dakota Agricultural College, State College, N. Dak. . . . .	1	. . . . .
North Dakota State School of Science, Wahpeton, N. Dak. . . . .	1	. . . . .
Northeastern University, Boston, Mass. . . . .	1	. . . . .
North Texas State College, Denton, Tex. . . . .	1	. . . . .
Northwestern University, Evanston, Ill. . . . .	9	9
Oberlin College, Oberlin, Ohio . . . . .	12	. . . . .
Occidental College, Los Angeles, Calif. . . . .	1	. . . . .
Ohio State University, Columbus, Ohio . . . . .	6	7
Ohio University, Athens, Ohio . . . . .	1	. . . . .
Ohio Wesleyan University, Delaware, Ohio . . . . .	1	. . . . .
Oklahoma State University, Stillwater, Okla. . . . .	4	3
Oregon State University, Corvallis, Oreg. . . . .	2	3
Ouachita College, Arkadelphia, Ark. . . . .	1	. . . . .
Pacific Lutheran College, Angwin, Calif. . . . .	1	. . . . .
Palomar College, Vista, Calif. . . . .	<sup>2</sup> 1	. . . . .
Park College, Parkville, Mo. . . . .	1	. . . . .
Parsons College, Fairfield, Iowa. . . . .	1	. . . . .
Pasadena City College, Pasadena, Calif. . . . .	1	. . . . .
Pennsylvania State University, University Park, Pa. . . . .	4	5
Pomona College, Claremont, Calif. . . . .	10	. . . . .
Pratt Institute, Brooklyn, N. Y. . . . .	1	. . . . .
Princeton University, Princeton, N. J. . . . .	21	37
Providence College, Providence, R. I. . . . .	2	. . . . .
Purdue University, Lafayette, Ind. . . . .	6	5
Queens College, Flushing, N. Y. . . . .	3	. . . . .
Radcliffe College, Cambridge, Mass. . . . .	2	8
Randolph-Macon College, Ashland, Va. . . . .	1	. . . . .
Reed College, Portland, Oreg. . . . .	5	. . . . .
Regis College, Denver, Colo. . . . .	1	. . . . .
Rensselaer Polytechnic Institute, Troy, N. Y. . . . .	9	3
Rice Institute, Houston, Tex. . . . .	1	1
Rollins College, Winter Park, Fla. . . . .	1	. . . . .

<sup>1</sup> See footnote page 201.

<sup>2</sup> Summer session only.

*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Under-graduates and Graduate Students—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as under-graduates</i>	<i>Attended as graduate students<sup>1</sup></i>
Roosevelt College, Chicago, Ill. . . . .	1	<sup>2</sup> 1
Rutgers University, New Brunswick, N. J. . . . .	4	3
Saint John's College, Annapolis, Md. . . . .	1	.....
Saint John's University, Brooklyn, N. Y. . . . .	2	1
Saint Joseph's College, Philadelphia, Pa. . . . .	2	.....
Saint Lawrence University, Canton, N. Y. . . . .	1	.....
Saint Louis University, St. Louis, Mo. . . . .	1	.....
Saint Norbert College, West De Pere, Wis. . . . .	1	.....
Saint Olaf College, Northfield, Minn. . . . .	3	.....
Sampson College, Sampson, N. Y. . . . .	1	.....
San Bernardino Valley College, San Bernardino, Calif. . . . .	1	.....
San Jose State College, San Jose, Calif. . . . .	2	.....
Scripps College, Claremont, Calif. . . . .	1	.....
Seattle University, Seattle, Wash. . . . .	1	.....
Seton Hill College, Greensburg, Pa. . . . .	1	.....
Shimer College, Mt. Carroll, Ill. . . . .	2	.....
Smith College, Northampton, Mass. . . . .	1	1
Southern Illinois University, Carbondale Ill. . . . .	2	.....
Southern Methodist University, Dallas, Tex. . . . .	5	.....
Spring Hill College, Spring Hill, Ala. . . . .	3	.....
Stanford University, Stanford, Calif. . . . .	11	34
State College of Washington, Pullman, Wash. . . . .	1	1
State Teachers College, Eau Claire, Wis. . . . .	1	.....
State Teachers College, La Crosse, Wis. . . . .	1	.....
State University of Iowa, Iowa City, Iowa. . . . .	2	3
Sterling College, Sterling, Kans. . . . .	1	.....
Stevens Institute of Technology, Hoboken, N. J. . . . .	.....	1
Stockton College, Stockton, Calif. . . . .	1	.....
Swarthmore College, Swarthmore, Pa. . . . .	8	.....
Syracuse University, Syracuse, N. Y. . . . .	2	.....
Technical Institute, Munich, Germany. . . . .	.....	1
Technische Hochschule, Karlsruhe, Germany. . . . .	.....	2
Temple University, Philadelphia, Pa. . . . .	3	.....
Texas A. & M. College, College Station, Tex. . . . .	<sup>2</sup> 1	1
Texas College of Arts and Industries, Kingsville, Tex. . . . .	1	.....
Thayer School of Engineering, Hanover, N. H. . . . .	.....	1
Trinity University, San Antonio, Tex. . . . .	1	1
Tufts University, Medford, Mass. . . . .	2	1
Tulane University, New Orleans, La. . . . .	1	2
Union College, Schenectady, N. Y. . . . .	1	.....
Union Junior College, Cranford, N. J. . . . .	1	.....
University of Alabama, University, Ala. . . . .	1	.....
University of Alaska, College, Alaska. . . . .	1	.....
University of Arizona, Tucson, Ariz. . . . .	2	4
University of Arkansas, Fayetteville, Ark. . . . .	6	1

<sup>1</sup> See footnote page 201.

<sup>2</sup> Summer session only.

*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Under-graduates and Graduate Students—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as under- gradu- ates</i>	<i>Attended as graduate students<sup>1</sup></i>
University of Birmingham, Birmingham, England . . . . .		2
University of Bristol, Bristol, England . . . . .	1	
University of Brussels, Brussels, Belgium . . . . .		1
University of Buffalo, Buffalo, N. Y. . . . .	1	
University of California, Berkeley, Calif. . . . .	23	56
University of California, Los Angeles, Calif. . . . .	6	15
University of California, Riverside, Calif. . . . .	1	
University of Cambridge, Cambridge, England . . . . .	1	4
University of Chicago, Chicago, Ill. . . . .	32	52
University of Cincinnati, Cincinnati, Ohio . . . . .	<sup>2</sup> 1	
University of Colorado, Boulder, Colo. . . . .	13	5
University of Connecticut, Storrs, Conn. . . . .	2	2
University of Delaware, Newark, Del. . . . .	2	6
University of Denver, Denver, Colo. . . . .	1	
University of Detroit, Detroit, Mich. . . . .	3	1
University of Florida, Gainesville, Fla. . . . .	6	3
University of Freiburg, Freiburg, Germany . . . . .		<sup>2</sup> 1
University of Georgia, Athens, Ga. . . . .	1	1
University of Gottingen, Gottingen, Germany . . . . .		1
University of Hamburg, Hamburg, Germany . . . . .		1
University of Hawaii, Honolulu, Hawaii . . . . .	1	
University of Heidelberg, Heidelberg, Germany . . . . .		2
University of Idaho, Moscow, Idaho . . . . .	1	
University of Illinois, Urbana, Ill. . . . .	22	31
University of Kansas, Lawrence, Kans. . . . .	3	5
University of Kentucky, Lexington, Ky. . . . .	3	3
University of Leiden, Leiden, Netherlands . . . . .		1
University of Maine, Orono, Maine . . . . .	1	
University of Manchester, Manchester, England . . . . .		1
University of Maryland, College Park, Md. . . . .	2	2
University of Massachusetts, Amherst, Mass. . . . .	3	2
University of Miami, Coral Gables, Fla. . . . .	1	
University of Michigan, Ann Arbor, Mich. . . . .	12	33
University of Minnesota, Minneapolis, Minn. . . . .	8	14
University of Missouri, Columbia, Mo. . . . .	5	1
University of Nebraska, Lincoln, Nebr. . . . .	8	6
University of New Hampshire, Durham, N. H. . . . .	1	2
University of New Mexico, Albuquerque, N. Mex. . . . .	6	3
University of North Carolina, Chapel Hill, N. C. . . . .	6	4
University of Notre Dame, Notre Dame, Ind. . . . .	6	4
University of Oklahoma, Norman, Okla. . . . .	6	4
University of Omaha, Omaha, Nebr. . . . .	1	
University of Oregon, Eugene, Oreg. . . . .	2	
University of Oxford, Oxford, England . . . . .	2	1
University of Paris, Paris, France . . . . .		3
University of Pennsylvania, Philadelphia, Pa. . . . .	9	10

<sup>1</sup> See footnote page 201.

<sup>2</sup> Summer session only.

*Institutions Attended by 1957-58 NSF Predoctoral Fellows as Undergraduates and Graduate Students—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>	
	<i>Attended as undergraduates</i>	<i>Attended as graduate students<sup>1</sup></i>
University of Rochester, Rochester, N. Y. . . . .	11	6
University of Santa Clara, Santa Clara, Calif. . . . .	1	.....
University of the South, Sewanee, Tenn. . . . .	1	.....
University of Southern California, Los Angeles, Calif. . . . .	4	4
University of Stockholm, Stockholm, Sweden. . . . .	.....	1
University of Tennessee, Knoxville, Tenn. . . . .	1	3
University of Texas, Austin, Tex. . . . .	4	5
University of Tulsa, Tulsa, Okla. . . . .	1	1
University of Utah, Salt Lake City, Utah. . . . .	2	.....
University of Utrecht, Utrecht, Netherlands. . . . .	.....	2
University of Vermont, Burlington, Vt. . . . .	1	.....
University of Virginia, Charlottesville, Va. . . . .	5	4
University of Washington, Seattle, Wash. . . . .	9	15
University of Wisconsin, Madison, Wis. . . . .	12	42
University of Wyoming, Laramie, Wyo. . . . .	1	<sup>2</sup> 1
Utah State Agricultural College, Logan, Utah. . . . .	3	1
Vanderbilt University, Nashville, Tenn. . . . .	1	2
Villanova College, Villanova, Pa. . . . .	1	.....
Virginia Polytechnic Institute, Blacksburg, Va. . . . .	2	1
Wabash College, Crawfordsville, Ind. . . . .	1	.....
Wake Forest College, Wake Forest, N. C. . . . .	1	.....
Walla Walla Biological Station, Anacortes, Wash. . . . .	.....	<sup>2</sup> 1
Washburn University, Topeka, Kans. . . . .	1	.....
Washington & Jefferson College, Washington, Pa. . . . .	1	.....
Washington University, St. Louis, Mo. . . . .	3	6
Wayne University, Detroit, Mich. . . . .	.....	1
Wellesley College, Wellesley, Mass. . . . .	1	.....
Wells College, Aurora, N. Y. . . . .	1	.....
Wesleyan University, Middleton, Conn. . . . .	5	.....
Western Carolina Teachers College, Cullowhee, N. C. . . . .	2	.....
Western Illinois State College, Macomb, Ill. . . . .	<sup>2</sup> 1	.....
Western Michigan College of Education, Kalamazoo, Mich. . . . .	1	.....
Western Reserve University, Cleveland, Ohio. . . . .	<sup>2</sup> 1	1
West Texas State College, Canyon, Tex. . . . .	1	.....
West Virginia University, Morgantown, W. Va. . . . .	1	.....
Wheaton College, Wheaton, Ill. . . . .	2	.....
Whitman College, Walla Walla, Wash. . . . .	1	.....
Wilkes College, Wilkes-Barre, Pa. . . . .	1	.....
Wilson Junior College, Chicago, Ill. . . . .	1	1
Wisconsin State College, Superior, Wis. . . . .	1	.....
Wittenberg College, Springfield, Ohio. . . . .	1	.....
Worcester Polytechnic Institute, Worcester, Mass. . . . .	1	.....
Wright Junior College, Chicago, Ill. . . . .	1	.....
Xavier University, Cincinnati, Ohio. . . . .	3	.....
Yale University, New Haven, Conn. . . . .	22	29
Yeshiva University, New York, N. Y. . . . .	1	1

<sup>1</sup> See footnote page 201.

<sup>2</sup> Summer session only.

*Present or Most Recent Institutional Affiliation of Individuals Awarded  
National Science Foundation Fellowships*

FOR FISCAL YEAR 1957

## REGULAR POSTDOCTORAL

<i>Institution and location</i>	<i>Number of fellows</i>
Birkbeck College, London, England-----	1
California, University of, Berkeley, Calif-----	11
California, University of, Los Angeles, Calif-----	4
California, University of Southern, Los Angeles, Calif-----	1
California Institute of Technology, Pasadena, Calif-----	3
Cambridge University, Cambridge, England-----	1
Carlsberg Laboratory, Copenhagen, Denmark-----	1
Chicago, University of, Chicago, Ill-----	11
Columbia University, New York, N. Y-----	6
Cornell University, Ithaca, N. Y-----	2
Cornell University Medical College, Ithaca, N. Y-----	1
Harvard University, Cambridge, Mass-----	14
Harvard Medical School, Cambridge, Mass-----	1
Illinois, University of, Urbana, Ill-----	2
Indiana University, Bloomington, Ind-----	1
Iowa State College, Ames, Iowa-----	1
Johns Hopkins University, Baltimore, Md-----	1
Kansas, University of, Lawrence, Kans-----	1
Massachusetts Institute of Technology, Cambridge, Mass-----	2
Michigan, University of, Ann Arbor, Mich-----	5
New York, State University of, Syracuse, N. Y-----	1
Northwestern University, Evanston, Ill-----	2
Ohio State University, Columbus, Ohio-----	2
Pennsylvania, University of, Philadelphia, Pa-----	1
Pennsylvania State University, University Park, Pa-----	1
Princeton University, Princeton, N. J-----	5
Radcliffe Graduate School, Cambridge, Mass-----	1
Stanford University, Stanford, Calif-----	4
Texas, University of, Austin, Tex-----	1
Washington, State College of, Pullman, Wash-----	1
Washington, University of, Seattle, Wash-----	2
Washington University, St. Louis, Mo-----	1
Western Reserve University, Cleveland, Ohio-----	1
Western Reserve Medical School, Cleveland, Ohio-----	1
Wisconsin, University of, Madison, Wis-----	8
Yale University, New Haven, Conn-----	7

## SENIOR POSTDOCTORAL

California, University of, Berkeley, Calif-----	4
California, University of, Davis, Calif-----	2
California, University of, Los Angeles, Calif-----	1
California, University of Southern, Los Angeles, Calif-----	1
California Institute of Technology, Pasadena, Calif-----	2
Carnegie Institute of Technology, Pittsburgh, Pa-----	2
Chicago, University of, Chicago, Ill-----	1

*Present or Most Recent Institutional Affiliation of Individuals Awarded  
National Science Foundation Fellowships—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>
Colorado, University of, Boulder, Colo.....	1
Cornell University, Ithaca, N. Y.....	3
Georgia, University of, Athens, Ga.....	1
Harvard University, Cambridge, Mass.....	4
Illinois Geological Survey, Champaign, Ill.....	1
Illinois, University of, Urbana, Ill.....	3
Iowa State College, Ames, Iowa.....	1
Louisville, University of, Louisville, Ky.....	1
Massachusetts Institute of Technology, Cambridge, Mass.....	3
Michigan, University of, Ann Arbor, Mich.....	1
Minnesota, University of, Minneapolis, Minn.....	1
North Carolina, University of, Chapel Hill, N. C.....	1
U. S. Naval Postgraduate School, Monterey, Calif.....	1
Northwestern University, Evanston, Ill.....	2
Notre Dame, University of, Notre Dame, Ind.....	1
Oregon State College, Corvallis, Oreg.....	1
Pennsylvania, University of, Philadelphia, Pa.....	1
Princeton University, Princeton, N. J.....	1
Purdue University, Lafayette, Ind.....	1
Rutgers University, New Brunswick, N. J.....	1
Southern Illinois University, Carbondale, Ill.....	1
Stanford University, Stanford, Calif.....	1
Tufts University, Medford, Mass.....	1
Virginia, University of, Charlottesville, Va.....	1
Washington, University of, Seattle, Wash.....	1
Western Reserve University, Cleveland, Ohio.....	1
Wisconsin, University of, Madison, Wis.....	3
Worcester Foundation for Experimental Biology, Shrewsbury, Mass.....	1
Yale University, New Haven, Conn.....	2

SCIENCE FACULTY

Alabama Polytechnic Institute, Auburn, Ala.....	1
Alaska, University of, College, Alaska.....	2
Alma College, Alma, Mich.....	1
Aquinas College, Grand Rapids, Mich.....	1
Arizona, University of, Tucson, Ariz.....	1
Austin Peay State College, Clarksville, Tenn.....	1
Barnard College, New York, N. Y.....	1
Berea College, Berea, Ky.....	1
Brooklyn Polytechnic Institute, Brooklyn, N. Y.....	1
California, University of, Berkeley, Calif.....	1
California, University of, Davis, Calif.....	2
California, University of, Los Angeles, Calif.....	1
California, University of, Santa Barbara, Calif.....	1
Cincinnati, University of, Cincinnati, Ohio.....	1
Clark University, Worcester, Mass.....	1
Colorado, University of, Boulder, Colo.....	1
Cornell University, Ithaca, N. Y.....	2
Davidson College, Davidson, N. C.....	1

*Present or Most Recent Institutional Affiliation of Individuals Awarded  
National Science Foundation Fellowships—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>
Denver, University of, Denver, Colo.....	1
Detroit, University of, Detroit, Mich.....	1
Drake University, Des Moines, Iowa.....	1
Drew University, Madison, N. J.....	1
Drexel Institute of Technology, Philadelphia, Pa.....	1
Florida, University of, Gainesville, Fla.....	1
Florida A. & M. University, Tallahassee, Fla.....	2
Fort Valley State College, Fort Valley, Ga.....	1
Furman University, Greenville, S. C.....	1
Georgia Institute of Technology, Atlanta, Ga.....	2
Gonzaga University, Spokane, Wash.....	1
Grand View College, Des Moines, Iowa.....	1
Hamilton College, Clinton, N. Y.....	1
Haverford College, Haverford, Pa.....	1
Hawaii, University of, Honolulu, T. H.....	1
Howard University, Washington, D. C.....	1
Illinois State Normal University, Normal, Ill.....	1
Iowa State Teachers College, Cedar Falls, Iowa.....	1
Johns Hopkins University, Baltimore, Md.....	1
Kansas State College, Manhattan, Kans.....	3
Lamar State College of Teaching, Beaumont, Tex.....	1
Lawrence College, Appleton, Wis.....	1
Long Island University, Brooklyn, N. Y.....	1
Manhattan College, New York, N. Y.....	2
Maryland, University of, College Park, Md.....	1
Miami University, Oxford, Ohio.....	1
Michigan, University of, Ann Arbor, Mich.....	1
Mississippi, University of, University, Miss.....	1
Morgan State College, Baltimore, Md.....	1
New Mexico, University of, Albuquerque, N. Mex.....	1
North Texas State College, Denton, Tex.....	1
Northeastern University, Boston, Mass.....	1
Northern Illinois State Teachers College, De Kalb, Ill.....	1
Oberlin College, Oberlin, Ohio.....	1
Occidental College, Los Angeles, Calif.....	1
Ohio State University, Columbus, Ohio.....	1
Ohio University, Athens, Ohio.....	1
Olivet College, Olivet, Mich.....	1
Oregon State College, Corvallis, Oreg.....	2
Pittsburgh, University of, Pittsburgh, Pa.....	1
Puget Sound, College of, Tacoma, Wash.....	1
Purdue University, Purdue, Ind.....	1
Rochester, University of, Rochester, N. Y.....	1
San Francisco, University of, San Francisco, Calif.....	1
South Dakota Southern State Teachers College, Springfield, S. Dak.....	1
Southern California, University of, Los Angeles, Calif.....	1
Southern State College, Magnolia, Ark.....	1
Southwest Texas State Teachers College, San Marcos, Tex.....	1
Stevens Institute of Technology, Hoboken, N. J.....	1



*Present or Most Recent Institutional Affiliation of Individuals Awarded  
National Science Foundation Fellowships—Continued*

<i>Institution and location</i>	<i>Number of fellows</i>
St. Lawrence University, Canton, N. Y.....	1
St. Mary's College, Winona, Minn.....	1
St. Thomas, College of, St. Paul, Minn.....	1
East Tennessee State College, Johnson City, Tenn.....	1
Tennessee, University of, Knoxville, Tenn.....	1
Texas, A. & M. College of, College Station, Tex.....	1
Texas College, Tyler, Tex.....	1
Tufts University, Medford, Mass.....	1
Tulane University, New Orleans, La.....	2
Ursuline College, Louisville, Ky.....	1
USAF Institute of Technology, Dayton, Ohio.....	1
Valparaiso University, Valparaiso, Ind.....	1
Vermont, University of, Burlington, Vt.....	1
Virginia, University of, Charlottesville, Va.....	1
Wake Forest College, Wake Forest, N. C.....	1
Washington University, St. Louis, Mo.....	2
Wesleyan University, Middletown, Conn.....	2
William Jewell College, Liberty, Mo.....	1
Wilson College, Chambersburg, Pa.....	1
Wisconsin, University of, Milwaukee, Wis.....	1
Wisconsin State College, Superior, Wis.....	1